

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\  
 Data File : BN010715.D  
 Acq On : 14 May 2020 16:56  
 Operator : CG/JU  
 Sample : PB128767BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB128767BL

Quant Time: May 14 18:45:32 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 14 12:56:11 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 4337     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.33 | 136  | 16219    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.20 | 164  | 9928     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 16.95 | 188  | 21768    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.16 | 240  | 17393    | 0.40 | ng    | 0.01     |
| 34) Perylene-d12          | 23.33 | 264  | 16602    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.22  | 112  | 2326     | 0.27 | ng    | 0.00     |
| 5) Phenol-d6                | 6.77  | 99   | 2565     | 0.25 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.72  | 82   | 2845     | 0.25 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10 | 11.93 | 152  | 6228     | 0.24 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol    | 15.72 | 330  | 799      | 0.22 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 12.83 | 172  | 8639     | 0.24 | ng    | 0.01     |
| 25) Fluoranthene-d10        | 18.99 | 212  | 13508    | 0.23 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.60 | 244  | 10628    | 0.26 | ng    | 0.00     |

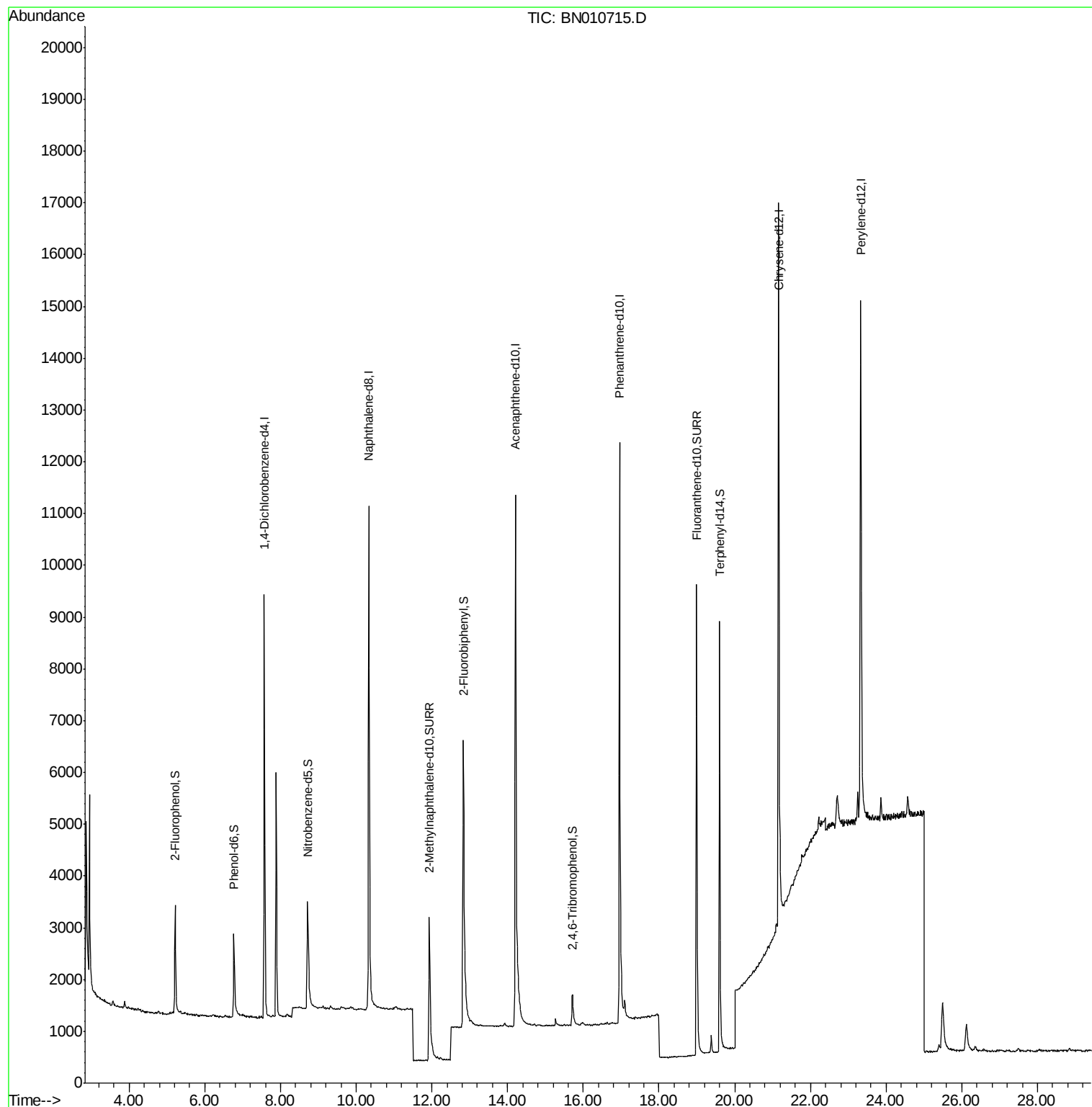
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

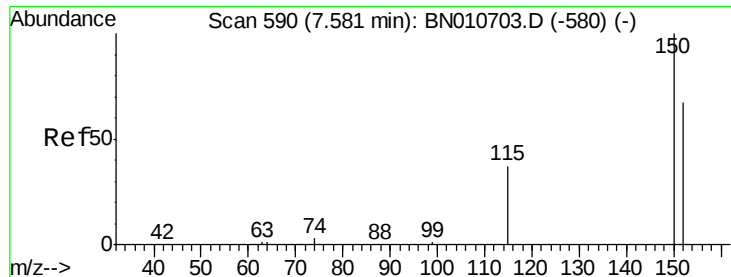
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\  
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QLast Update : Thu May 14 12:56:11 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.57 min Scan# 589

Delta R.T. -0.00 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

Instrument :

BNA\_N

ClientSampleId :

PB128767BL

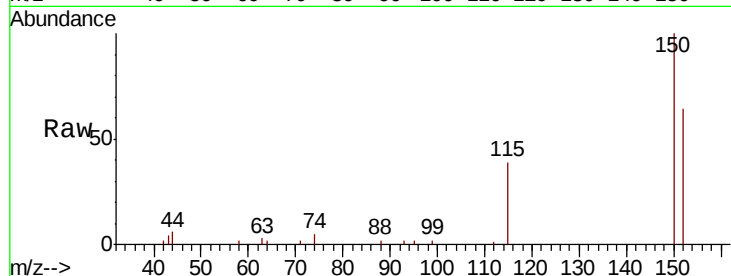
Tot Ion:152 Resp: 4337

Ion Ratio Lower Upper

152 100

150 155.8 119.4 179.0

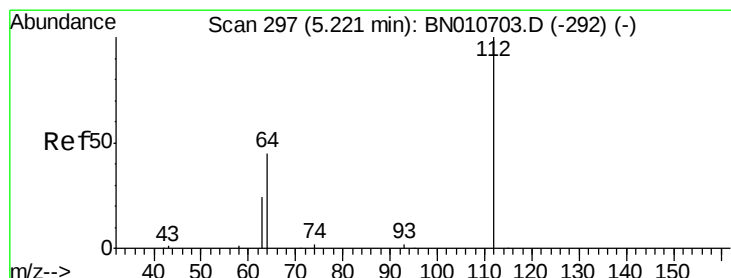
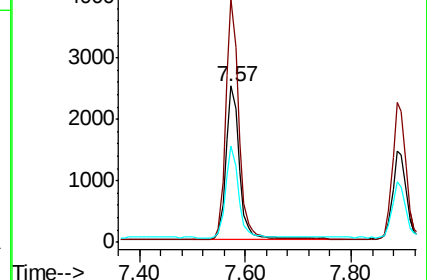
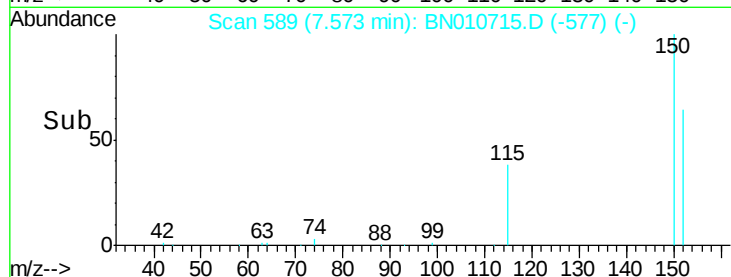
115 61.4 45.9 68.9



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



#4

2-Fluorophenol

Concen: 0.274 ng

RT: 5.22 min Scan# 297

Delta R.T. 0.01 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

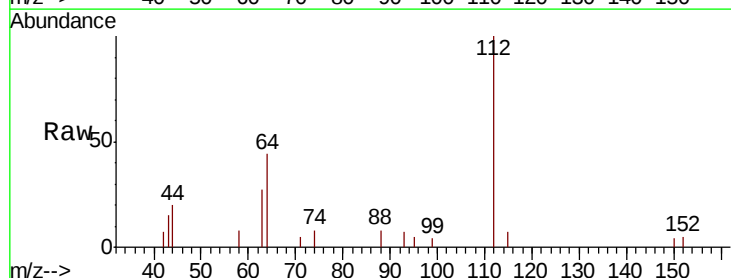
Tgt Ion:112 Resp: 2326

Ion Ratio Lower Upper

112 100

64 46.0 36.2 54.4

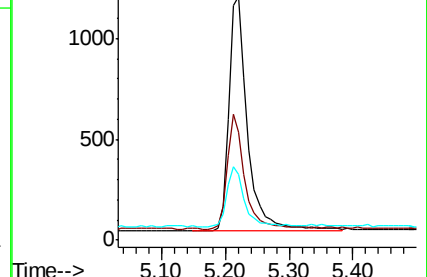
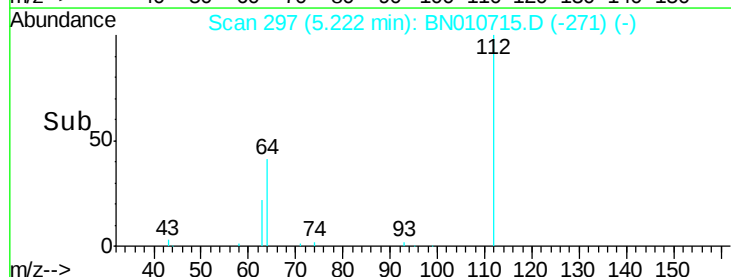
63 24.8 19.8 29.8

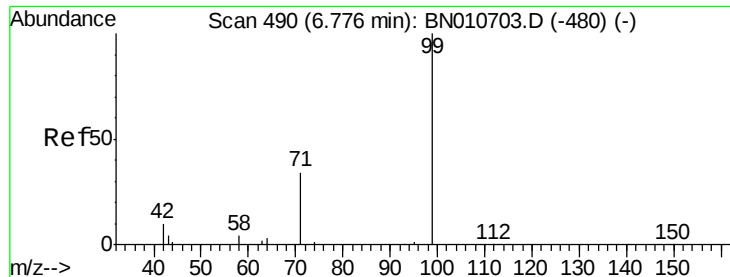


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.247 ng

RT: 6.77 min Scan# 489

Delta R.T. -0.00 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

Instrument :

BNA\_N

ClientSampleId :

PB128767BL

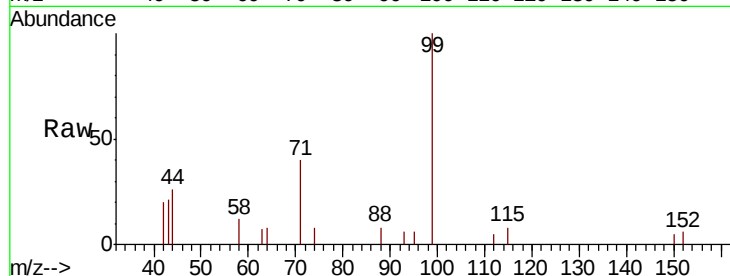
Tot Ion: 99 Resp: 2565

Ion Ratio Lower Upper

99 100

42 10.9 9.8 14.8

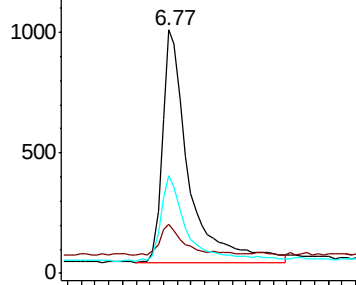
71 34.9 28.6 42.8



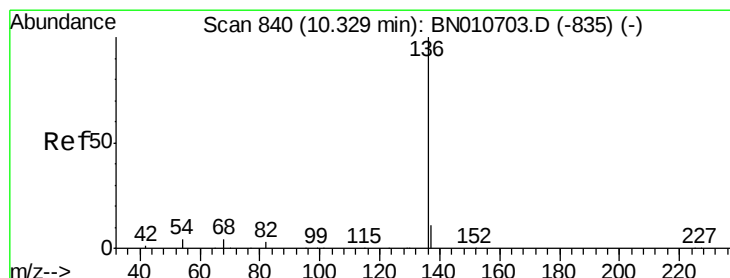
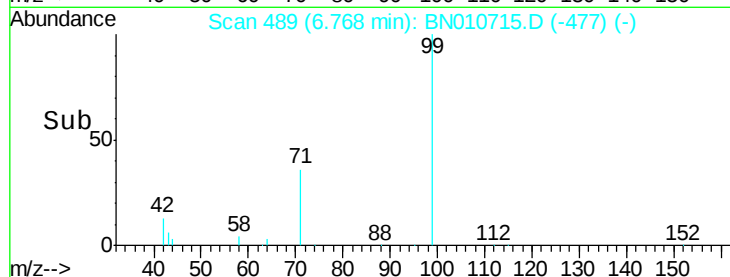
Abundance Ion 99.00 (98.70 to 99.70): BN010703.D (-480) (-)

Ion 42.00 (41.70 to 42.70): BN010703.D (-480) (-)

Ion 71.00 (70.70 to 71.70): BN010703.D (-480) (-)



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. -0.00 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

Tgt Ion: 136 Resp: 16219

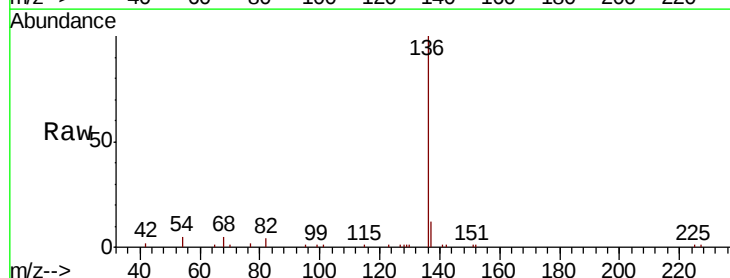
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 4.6 3.6 5.4

68 5.5 4.1 6.1

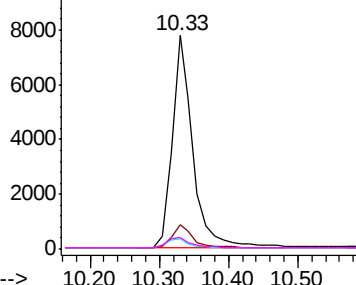


Abundance Ion 136.00 (135.70 to 136.70): BN010703.D (-835) (-)

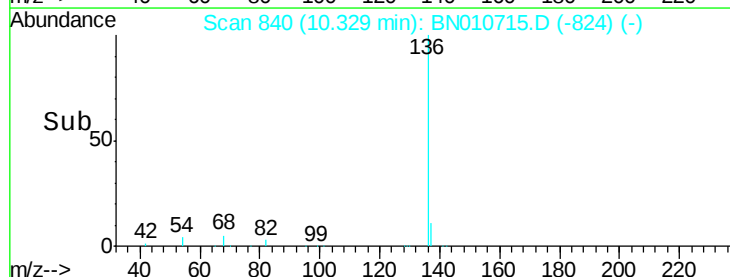
Ion 137.00 (136.70 to 137.70): BN010703.D (-835) (-)

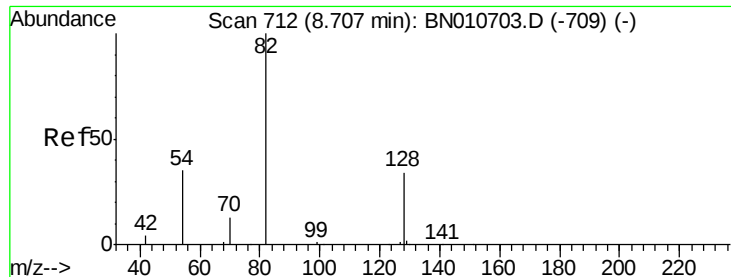
Ion 54.00 (53.70 to 54.70): BN010703.D (-835) (-)

Ion 68.00 (67.70 to 68.70): BN010703.D (-835) (-)



Time-->





#8

Nitrobenzene-d5

Concen: 0.253 ng

RT: 8.72 min Scan# 713

Delta R.T. 0.01 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

Instrument :

BNA\_N

ClientSampleId :

PB128767BL

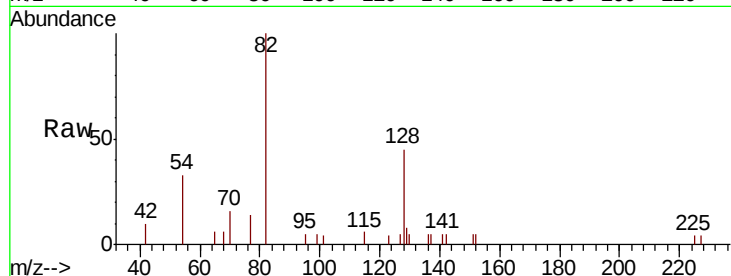
Tot Ion: 82 Resp: 2845

Ion Ratio Lower Upper

82 100

128 44.5 29.0 43.4#

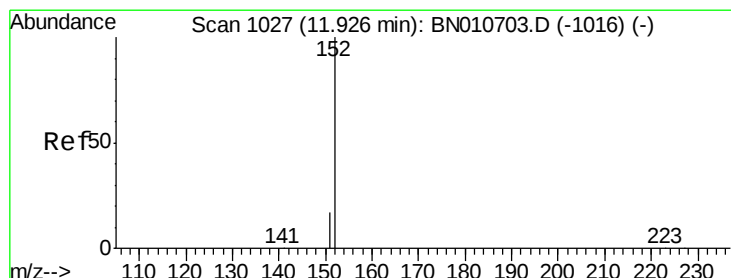
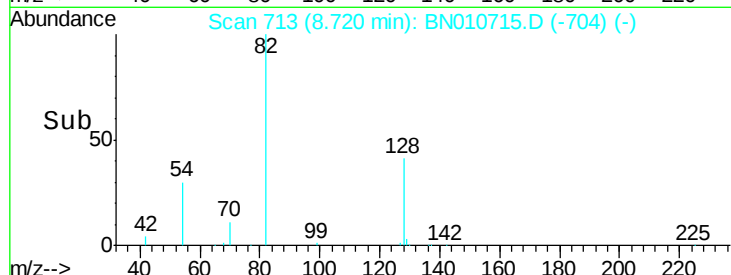
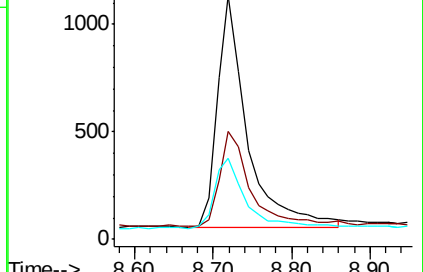
54 33.0 29.3 43.9



Abundance Ion 82.00 (81.70 to 82.70): BN010703.D (-709) (-)

Ion 128.00 (127.70 to 128.70): BN010703.D (-709) (-)

Ion 54.00 (53.70 to 54.70): BN010703.D (-709) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.235 ng

RT: 11.93 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BN010715.D

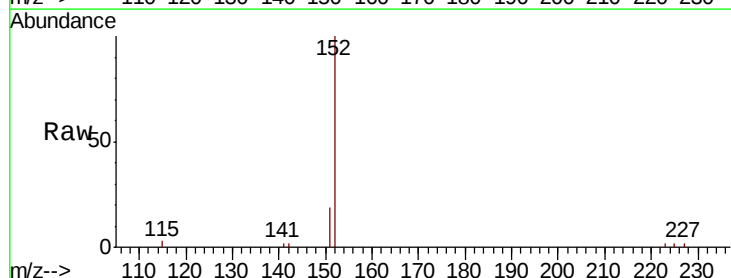
Acq: 14 May 2020 16:56

Tgt Ion: 152 Resp: 6228

Ion Ratio Lower Upper

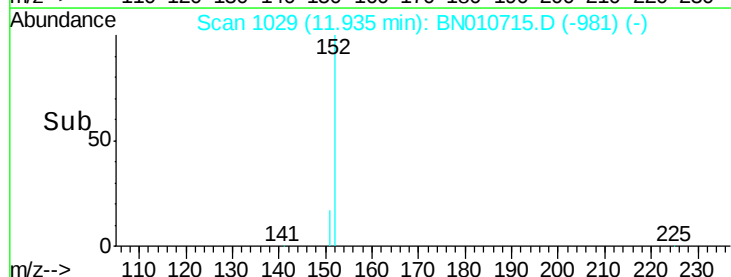
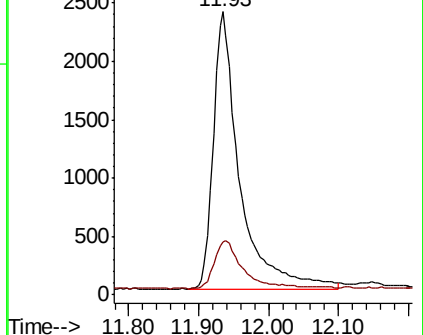
152 100

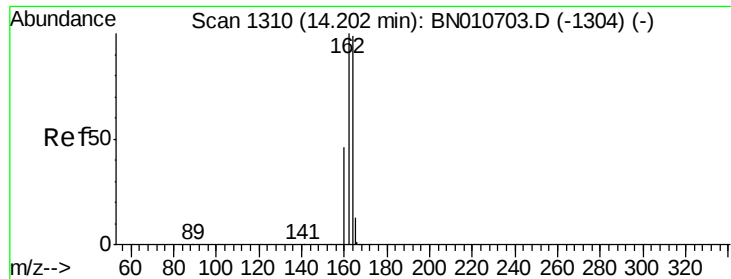
151 19.0 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): BN010703.D (-1016) (-)

Ion 151.00 (150.70 to 151.70): BN010703.D (-1016) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.20 min Scan# 1310

Delta R.T. 0.01 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

Instrument :

BNA\_N

ClientSampled :

PB128767BL

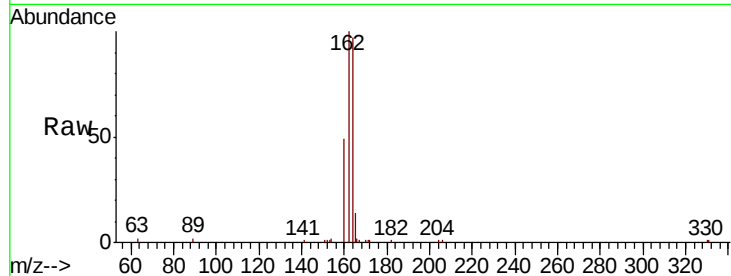
Tot Ion:164 Resp: 9928

Ion Ratio Lower Upper

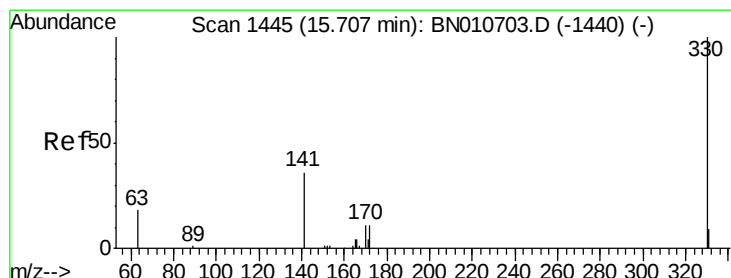
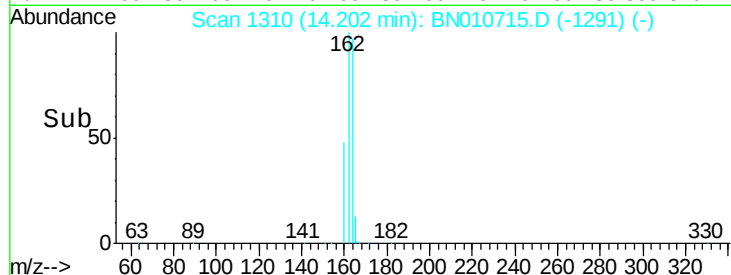
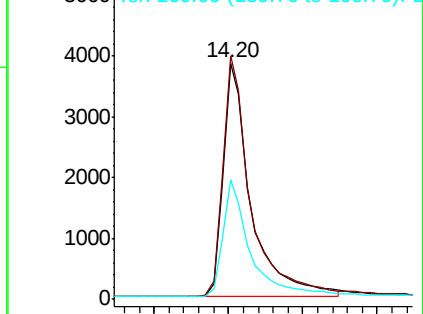
164 100

162 103.0 81.1 121.7

160 50.5 37.9 56.9



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: 0.222 ng

RT: 15.72 min Scan# 1446

Delta R.T. 0.01 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

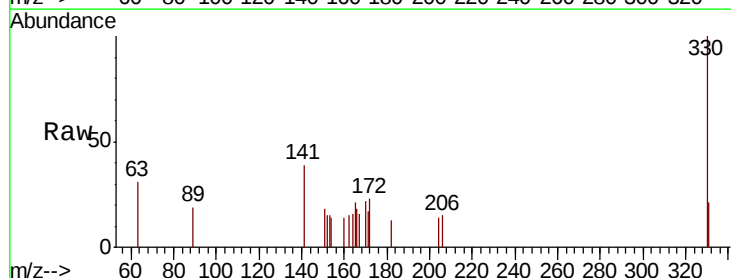
Tgt Ion:330 Resp: 799

Ion Ratio Lower Upper

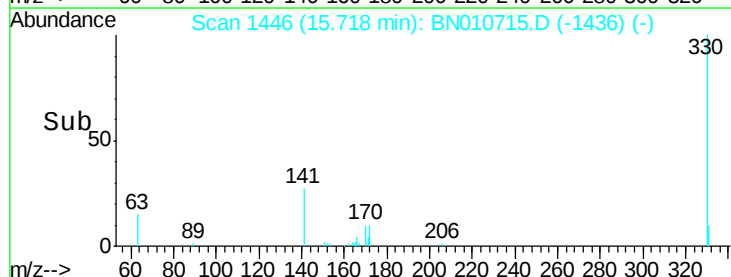
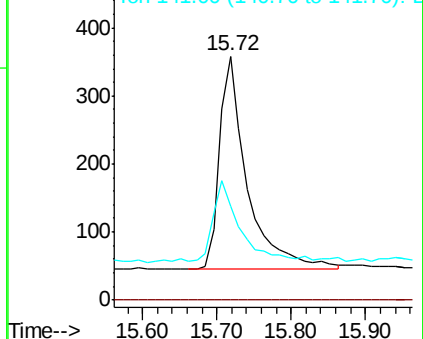
330 100

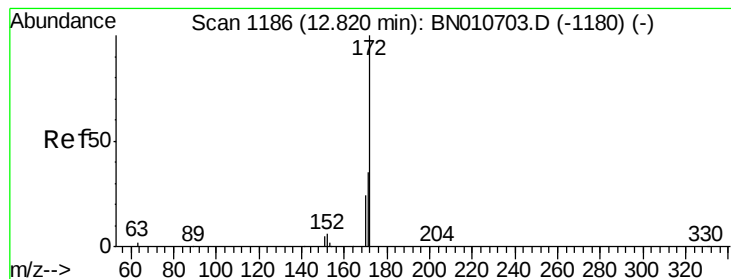
332 0.0 0.0 0.0

141 36.3 28.8 43.2



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: 0.237 ng

RT: 12.83 min Scan# 1187

Delta R.T. 0.01 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

Instrument :

BNA\_N

ClientSampleId :

PB128767BL

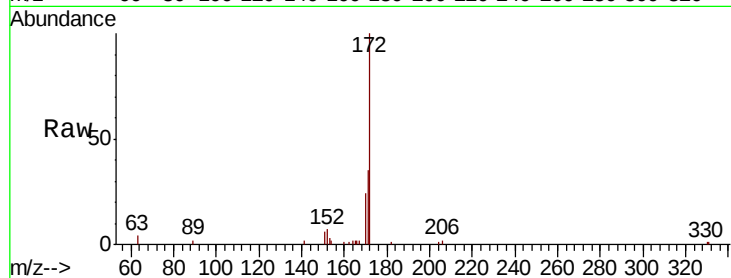
Tot Ion:172 Resp: 8639

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

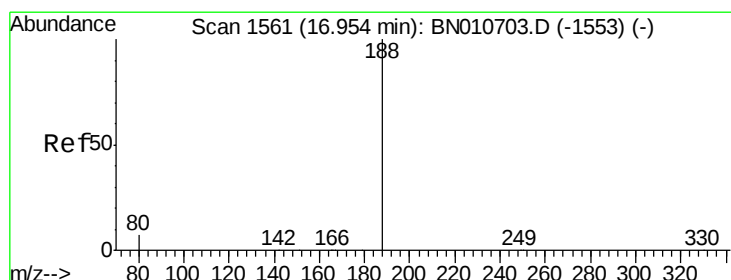
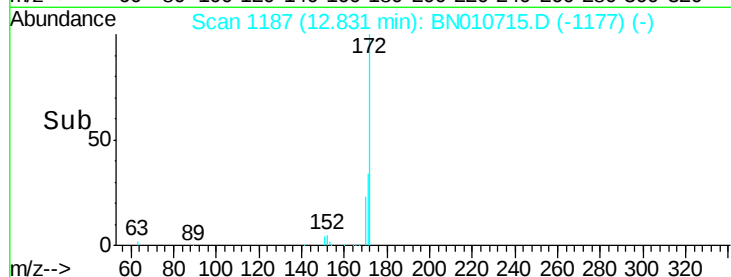
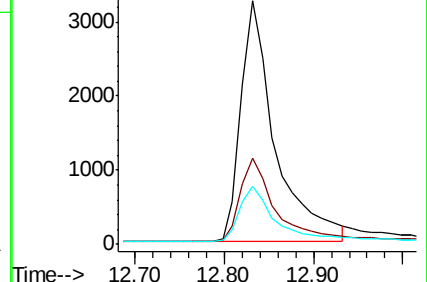
170 23.9 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

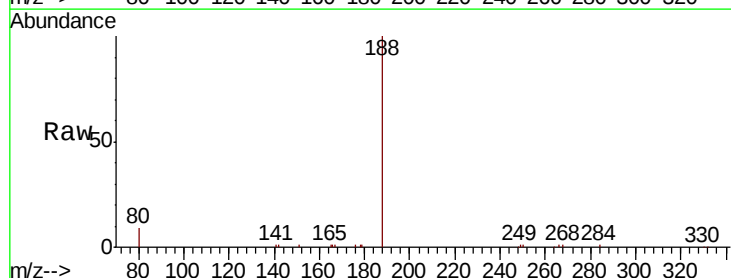
Tgt Ion:188 Resp: 21768

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

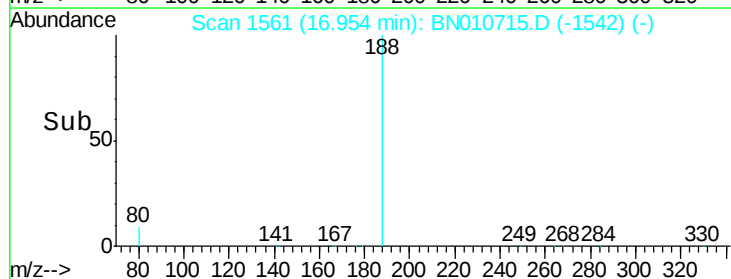
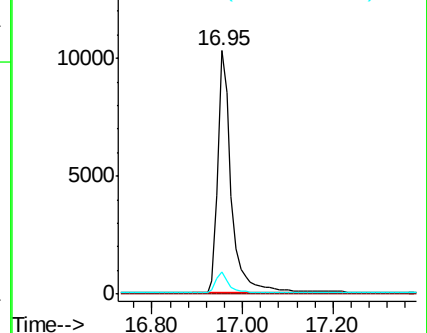
80 9.1 6.3 9.5

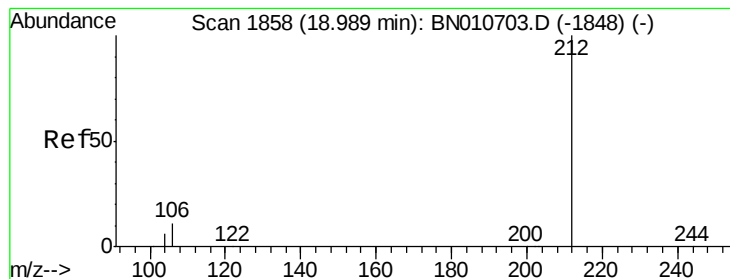


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#25

Fluoranthene-d10

Concen: 0.229 ng

RT: 18.99 min Scan# 1859

Delta R.T. 0.00 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

Instrument :

BNA\_N

ClientSampleId :

PB128767BL

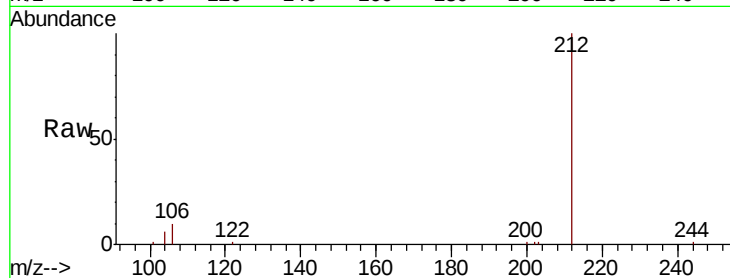
Tot Ion:212 Resp: 13508

Ion Ratio Lower Upper

212 100

106 9.9 8.2 12.2

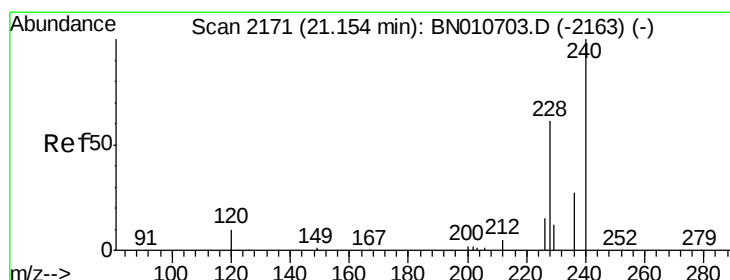
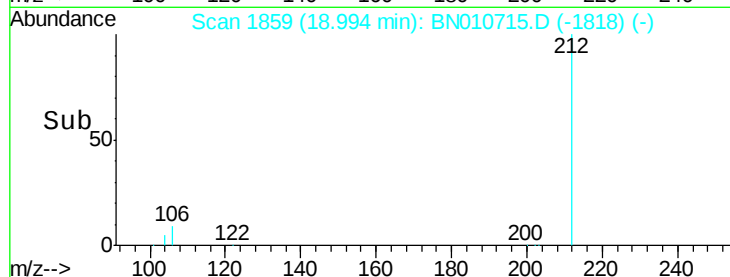
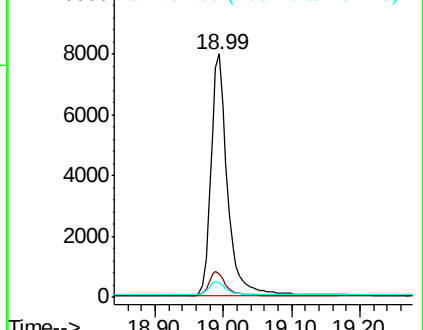
104 5.6 4.7 7.1



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.16 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

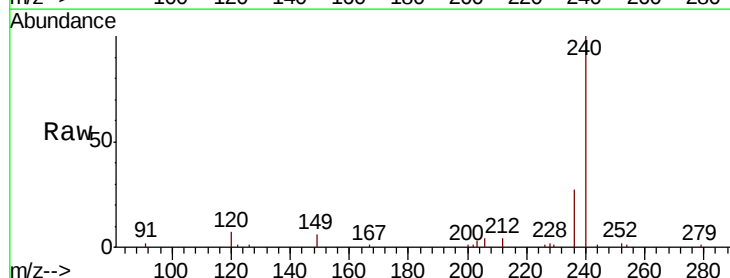
Tgt Ion:240 Resp: 17393

Ion Ratio Lower Upper

240 100

120 7.5 9.5 14.3#

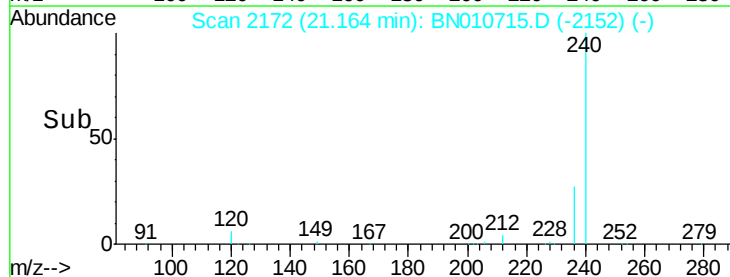
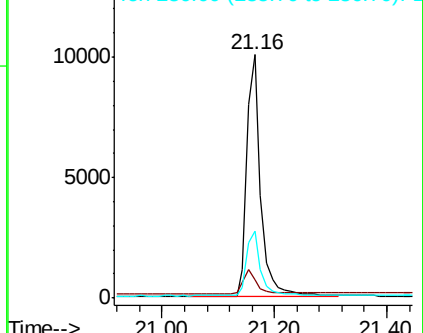
236 27.4 22.5 33.7

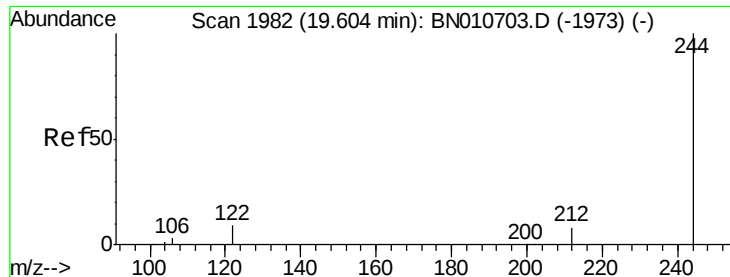


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.258 ng

RT: 19.60 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

Instrument :

BNA\_N

ClientSampleId :

PB128767BL

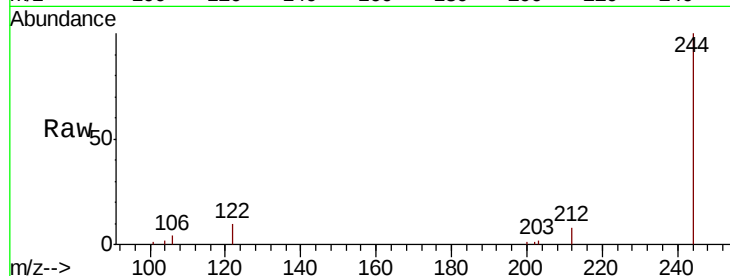
Tot Ion:244 Resp: 10628

Ion Ratio Lower Upper

244 100

212 8.4 6.8 10.2

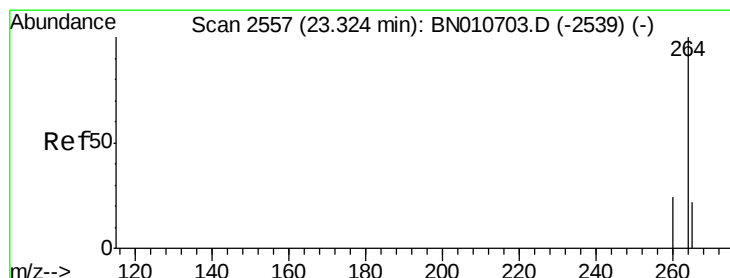
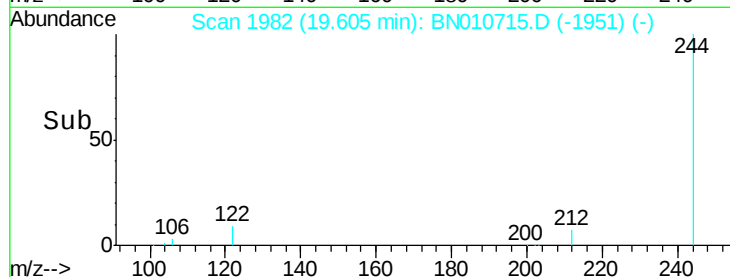
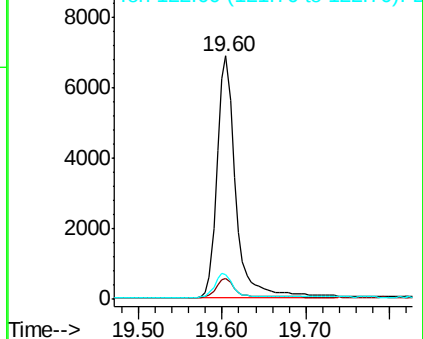
122 10.1 8.1 12.1



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.33 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BN010715.D

Acq: 14 May 2020 16:56

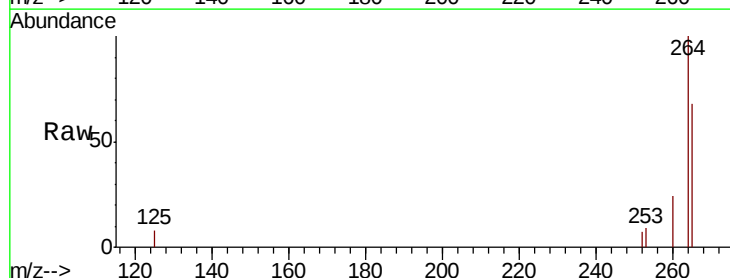
Tgt Ion:264 Resp: 16602

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 68.4 70.1 105.1#



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

