

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\  
 Data File : BN010315.D  
 Acq On : 20 Mar 2020 22:43  
 Operator : CG/JU  
 Sample : PB127714BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB127714BL

Quant Time: Mar 21 00:21:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 19 15:26:45 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 4314     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.38 | 136  | 14714    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.24 | 164  | 8256     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.99 | 188  | 19031    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.19 | 240  | 19539    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.36 | 264  | 18803    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.25  | 112  | 2775     | 0.32 | ng    | 0.00     |
| 5) Phenol-d6                | 6.80  | 99   | 3410     | 0.32 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.74  | 82   | 4837     | 0.51 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.97 | 152  | 6213     | 0.26 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.73 | 330  | 772      | 0.24 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.86 | 172  | 17633    | 0.56 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.02 | 212  | 15140    | 0.26 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.63 | 244  | 19624    | 0.46 | ng    | 0.00     |

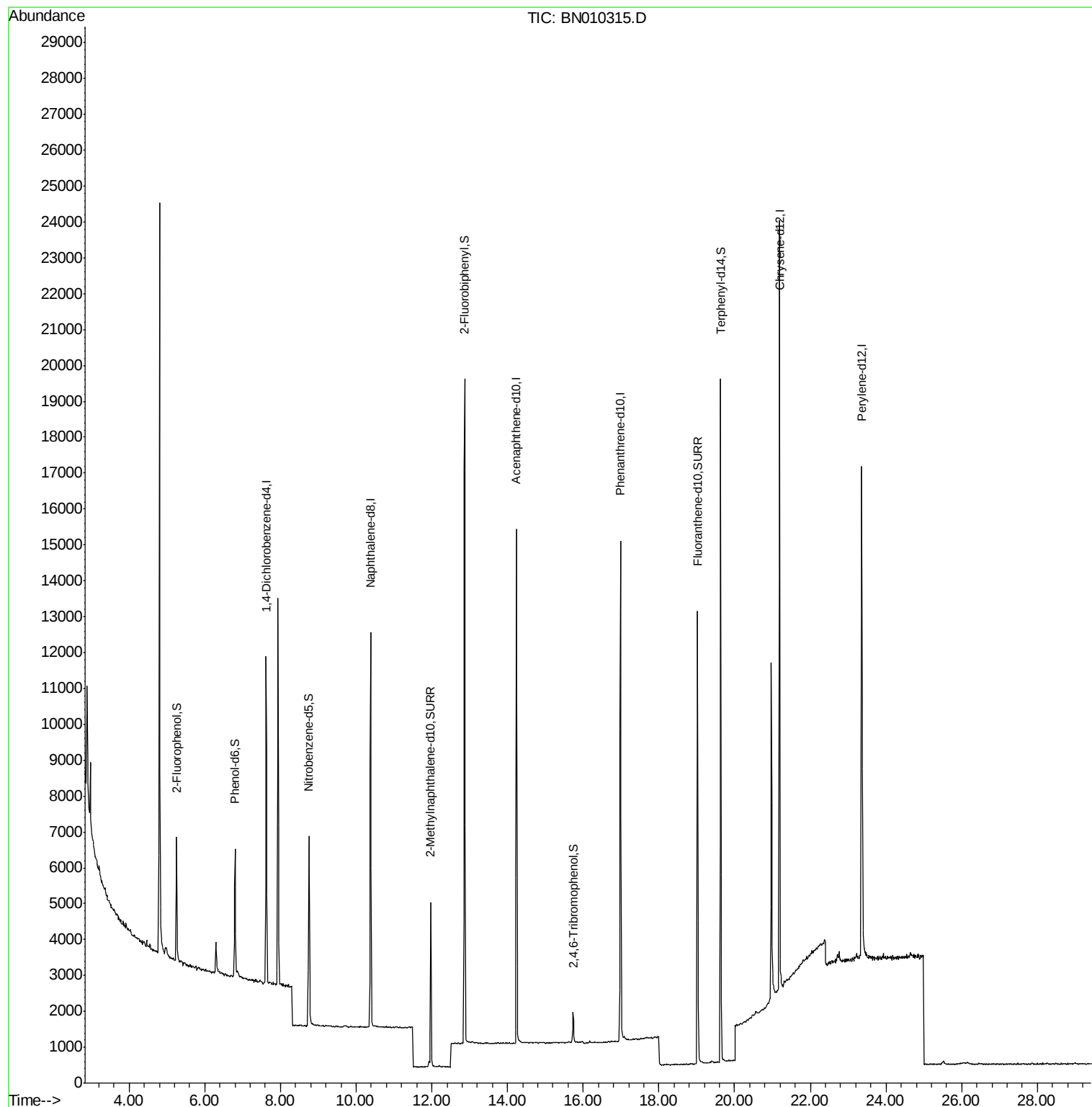
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

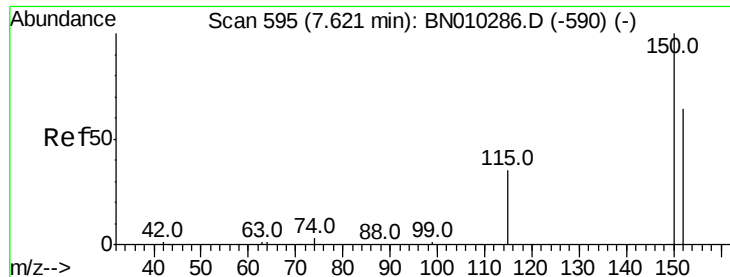
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\  
Data File : BN010315.D  
Acq On : 20 Mar 2020 22:43  
Operator : CG/JU  
Sample : PB127714BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB127714BL

Quant Time: Mar 21 00:21:10 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 19 15:26:45 2020  
Response via : Initial Calibration



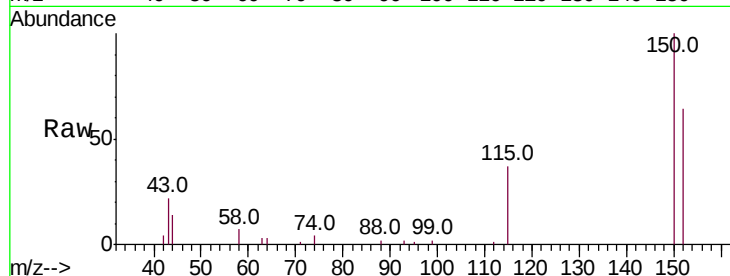


#1

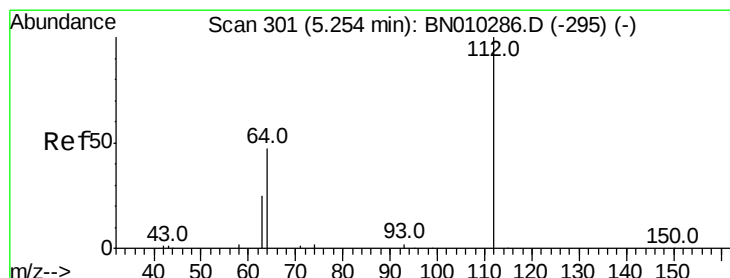
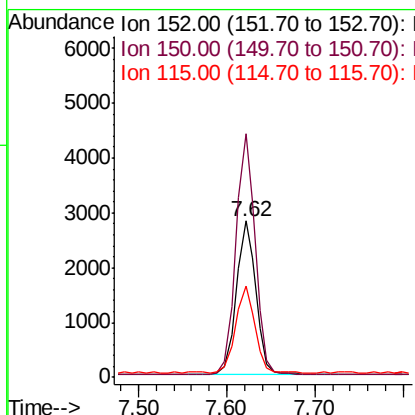
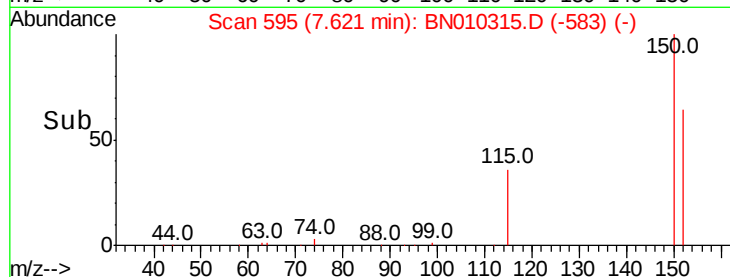
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.62 min Scan# 595  
Delta R.T. -0.00 min  
Lab File: BN010315.D  
Acq: 20 Mar 2020 22:43

Instrument :  
BNA\_N  
ClientSampleId :  
PB127714BL

Tot Ion:152 Resp: 4314  
Ion Ratio Lower Upper  
152 100  
150 156.1 123.1 184.7  
115 58.5 45.2 67.8



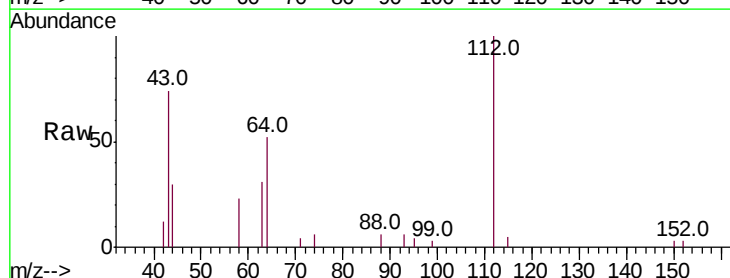
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



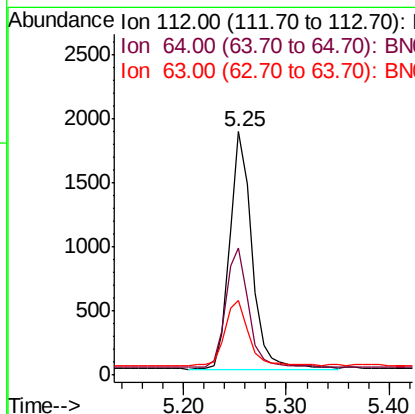
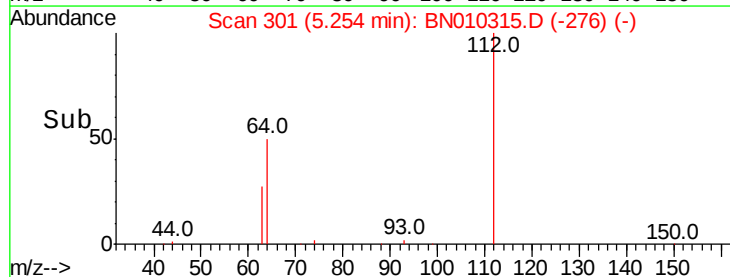
#4

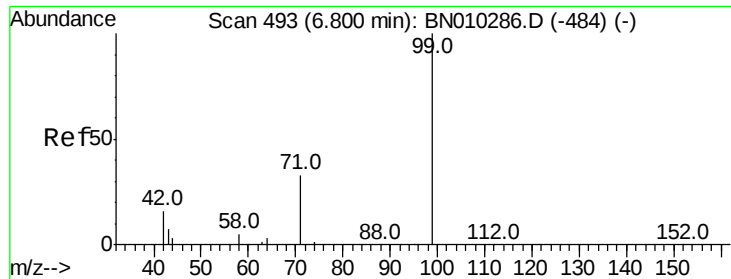
2-Fluorophenol  
Concen: 0.325 ng  
RT: 5.25 min Scan# 301  
Delta R.T. -0.00 min  
Lab File: BN010315.D  
Acq: 20 Mar 2020 22:43

Tgt Ion:112 Resp: 2775  
Ion Ratio Lower Upper  
112 100  
64 51.5 41.4 62.2  
63 30.1 22.9 34.3



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: 0.321 ng

RT: 6.80 min Scan# 493

Delta R.T. -0.00 min

Lab File: BN010315.D

Acq: 20 Mar 2020 22:43

Instrument :

BNA\_N

ClientSampleId :

PB127714BL

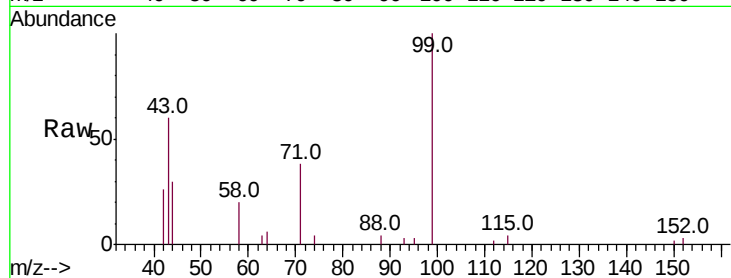
Tot Ion: 99 Resp: 3410

Ion Ratio Lower Upper

99 100

42 18.3 14.8 22.2

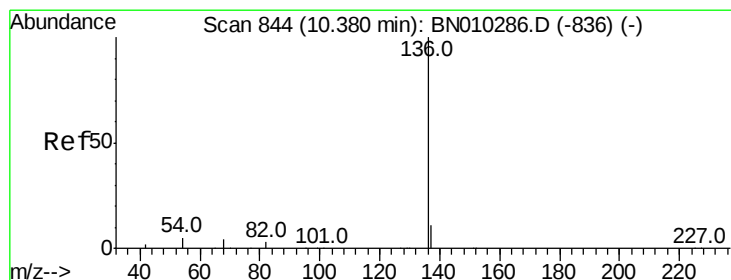
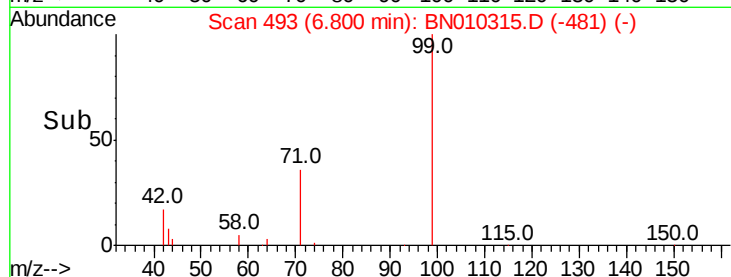
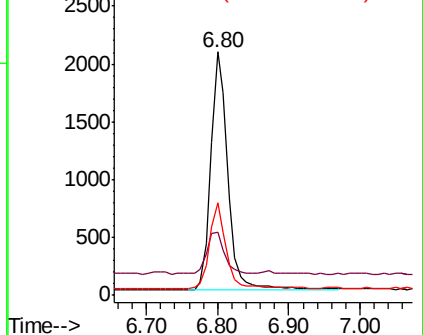
71 34.6 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN010315.D (-828) (-)

Ion 42.00 (41.70 to 42.70): BN010315.D (-828) (-)

Ion 71.00 (70.70 to 71.70): BN010315.D (-828) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.00 min

Lab File: BN010315.D

Acq: 20 Mar 2020 22:43

Tgt Ion: 136 Resp: 14714

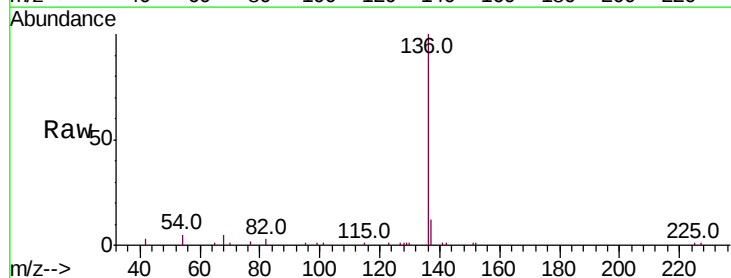
Ion Ratio Lower Upper

136 100

137 11.6 9.3 13.9

54 5.0 4.8 7.2

68 4.6 4.1 6.1

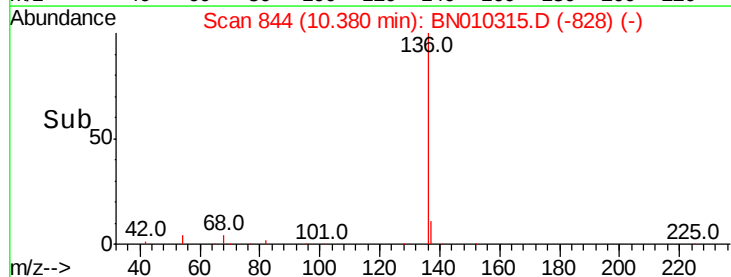
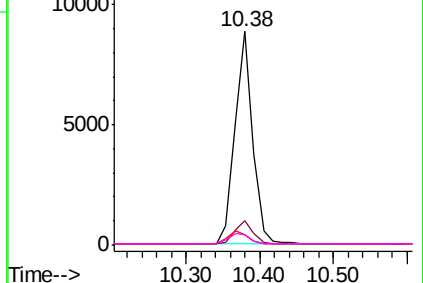


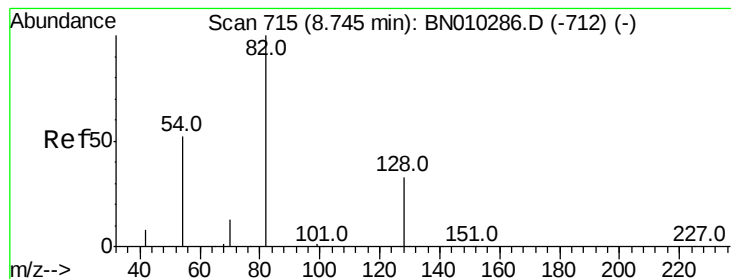
Abundance Ion 136.00 (135.70 to 136.70): BN010315.D (-828) (-)

Ion 137.00 (136.70 to 137.70): BN010315.D (-828) (-)

Ion 54.00 (53.70 to 54.70): BN010315.D (-828) (-)

Ion 68.00 (67.70 to 68.70): BN010315.D (-828) (-)





#8

Nitrobenzene-d5

Concen: 0.513 ng

RT: 8.74 min Scan# 715

Delta R.T. -0.00 min

Lab File: BN010315.D

Acq: 20 Mar 2020 22:43

Instrument :

BNA\_N

ClientSampleId :

PB127714BL

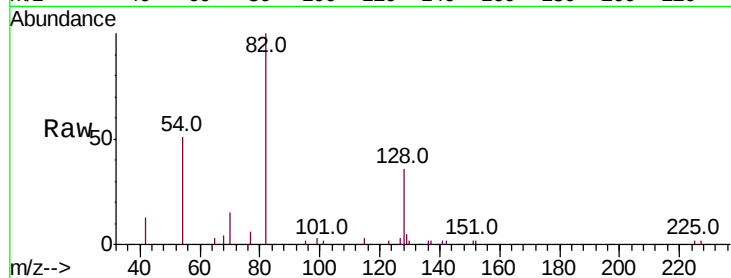
Tot Ion: 82 Resp: 4837

Ion Ratio Lower Upper

82 100

128 36.0 28.8 43.2

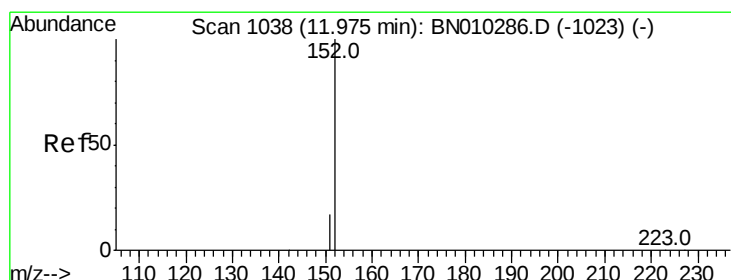
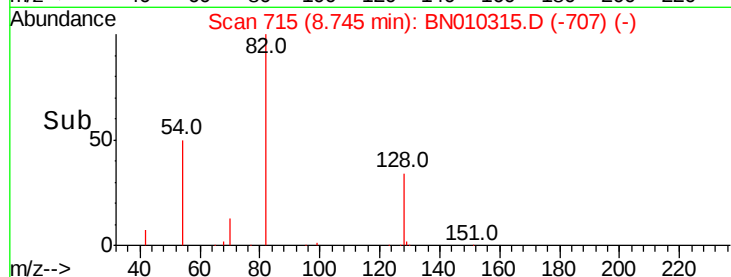
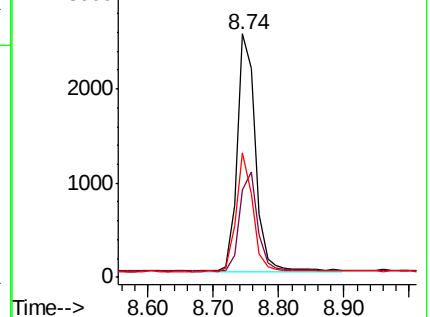
54 51.1 42.1 63.1



Abundance Ion 82.00 (81.70 to 82.70): BN010315.D (-993) (-)

Ion 128.00 (127.70 to 128.70): BN010315.D (-993) (-)

Ion 54.00 (53.70 to 54.70): BN010315.D (-993) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.265 ng

RT: 11.97 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BN010315.D

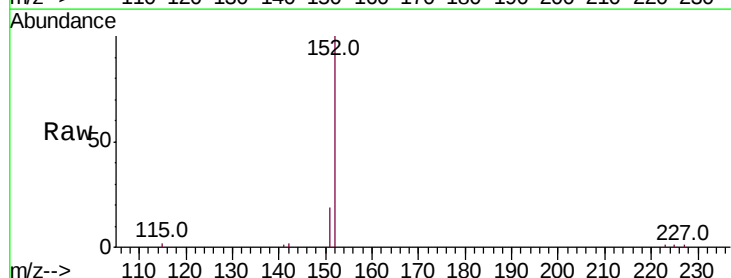
Acq: 20 Mar 2020 22:43

Tgt Ion: 152 Resp: 6213

Ion Ratio Lower Upper

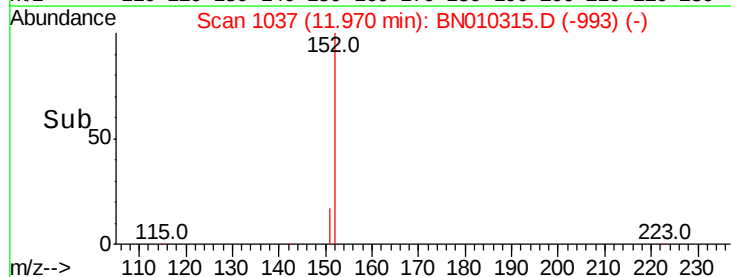
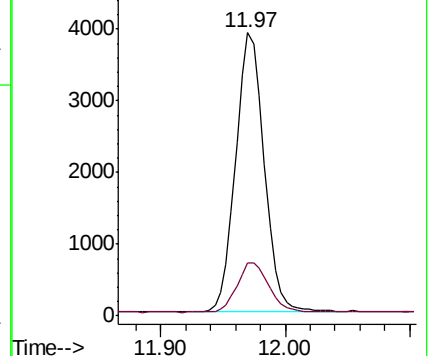
152 100

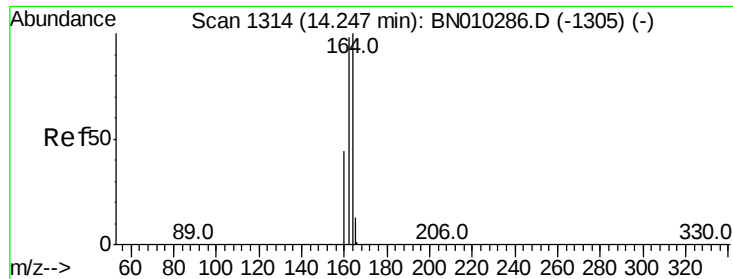
151 19.6 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): BN010315.D (-993) (-)

Ion 151.00 (150.70 to 151.70): BN010315.D (-993) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BN010315.D

Acq: 20 Mar 2020 22:43

Instrument :

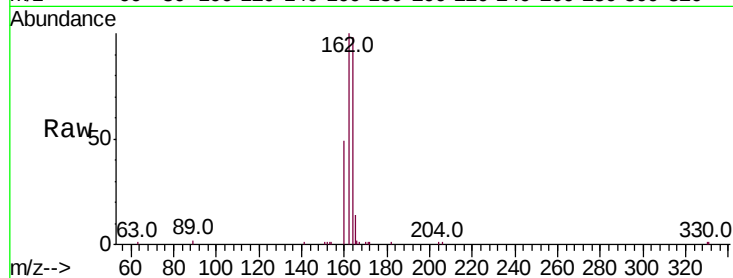
BNA\_N

ClientSampleId :

PB127714BL

Tot Ion:164 Resp: 8256

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.4 | 78.2  | 117.2 |
| 160 | 50.0  | 35.8  | 53.6  |

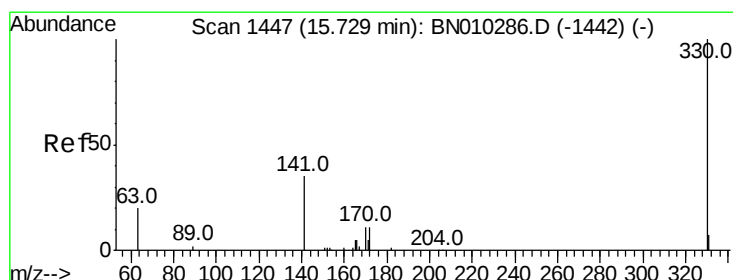
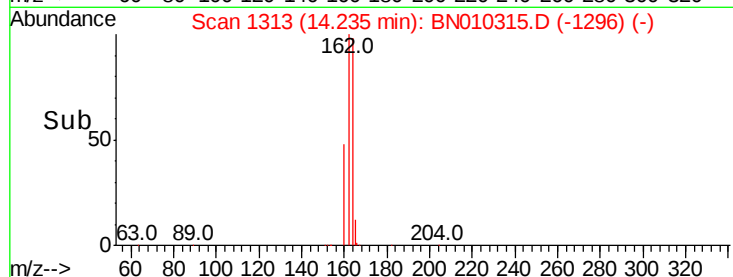
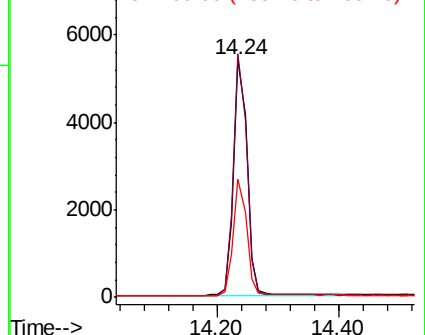


Abundance

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: 0.243 ng

RT: 15.73 min Scan# 1447

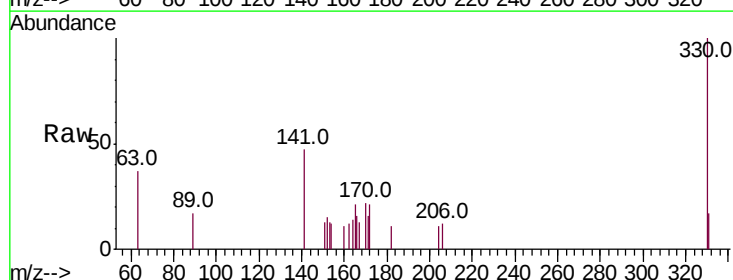
Delta R.T. -0.00 min

Lab File: BN010315.D

Acq: 20 Mar 2020 22:43

Tgt Ion:330 Resp: 772

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 0.0   | 0.0   | 0.0   |
| 141 | 34.1  | 29.3  | 43.9  |

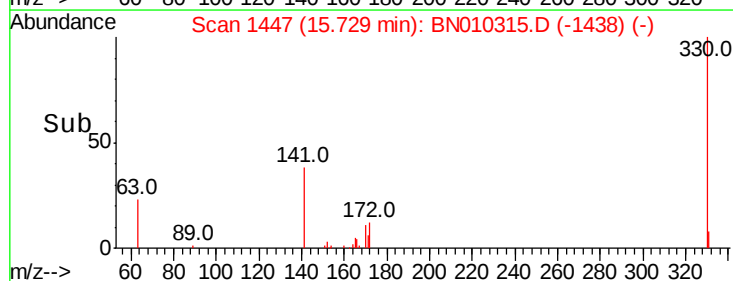
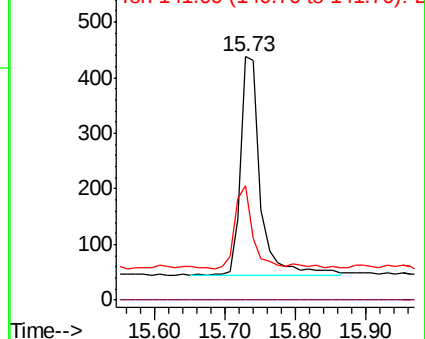


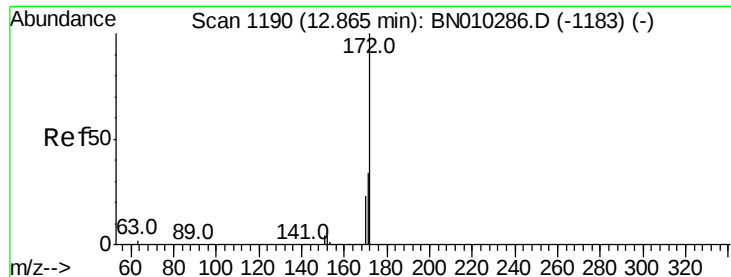
Abundance

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

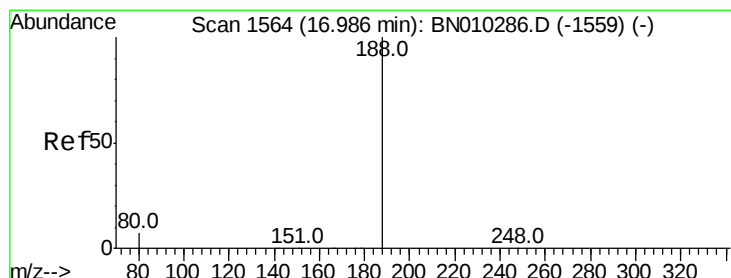
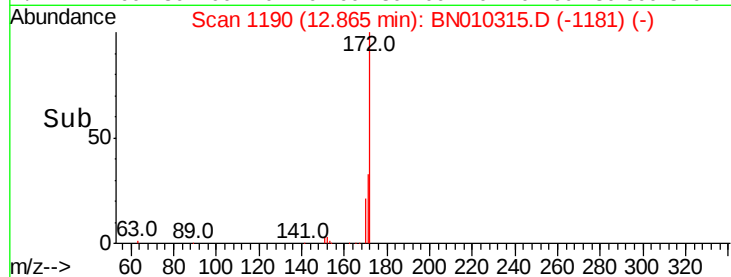
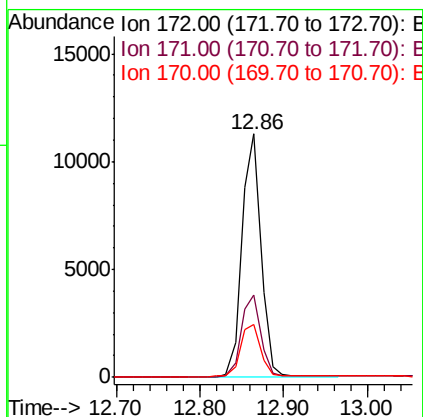
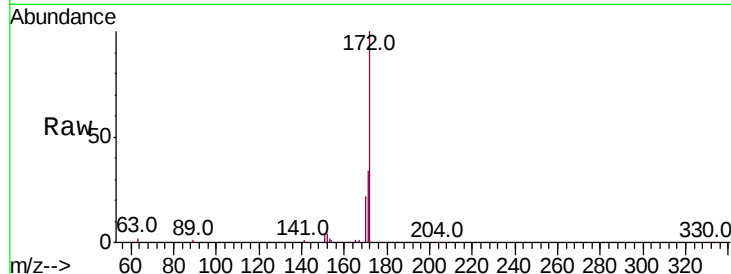




#15  
2-Fluorobiphenyl  
Concen: 0.558 ng  
RT: 12.86 min Scan# 1190  
Delta R.T. -0.00 min  
Lab File: BN010315.D  
Acq: 20 Mar 2020 22:43

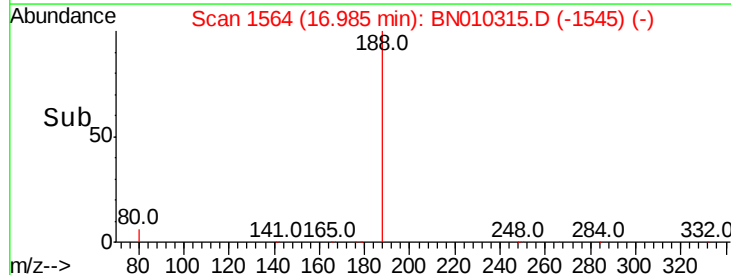
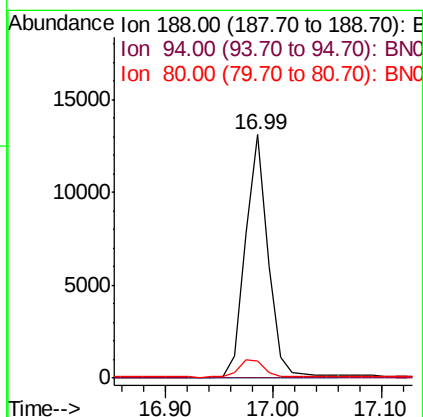
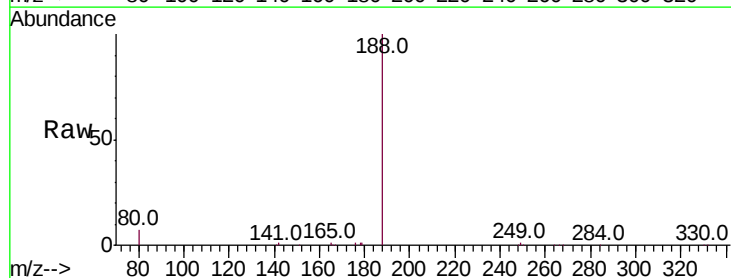
Instrument :  
BNA\_N  
ClientSampleId :  
PB127714BL

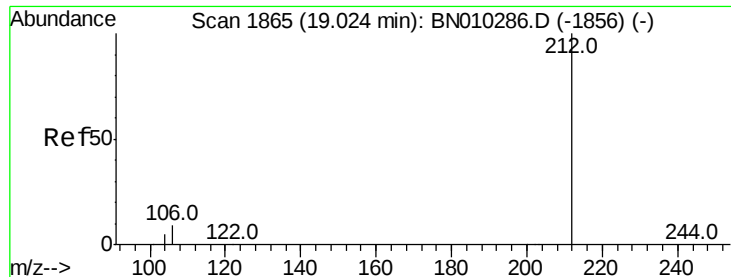
Tot Ion:172 Resp: 17633  
Ion Ratio Lower Upper  
172 100  
171 33.6 27.6 41.4  
170 21.7 18.5 27.7



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.99 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: BN010315.D  
Acq: 20 Mar 2020 22:43

Tgt Ion:188 Resp: 19031  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 6.9 6.0 9.0





#25

Fluoranthene-d10

Concen: 0.264 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BN010315.D

Acq: 20 Mar 2020 22:43

Instrument :

BNA\_N

ClientSampleId :

PB127714BL

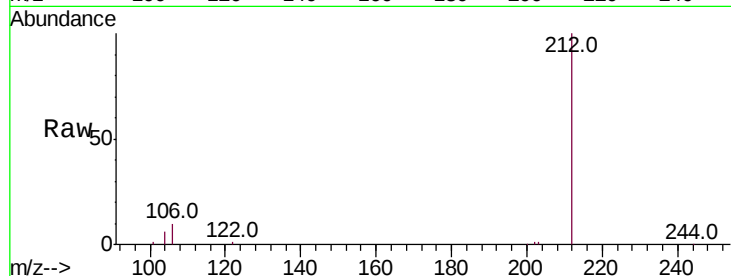
Tot Ion:212 Resp: 15140

Ion Ratio Lower Upper

212 100

106 9.0 7.4 11.2

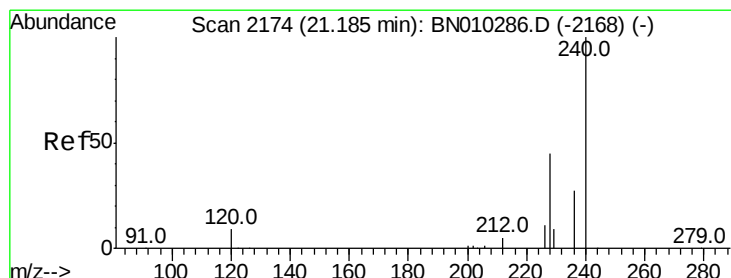
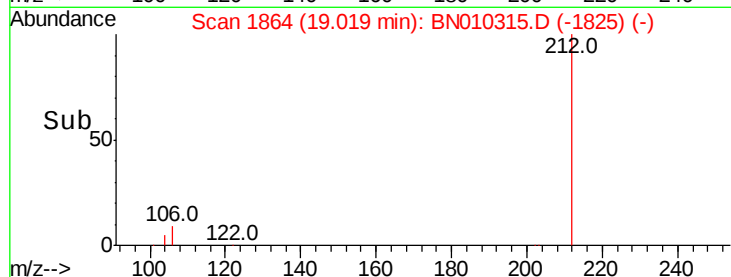
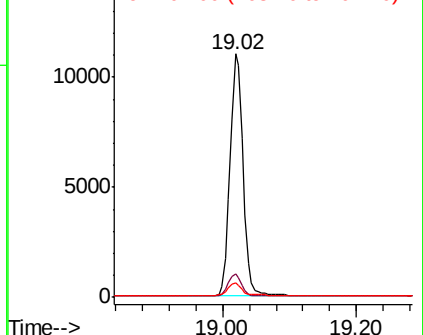
104 5.2 4.2 6.4



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: 21.19 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BN010315.D

Acq: 20 Mar 2020 22:43

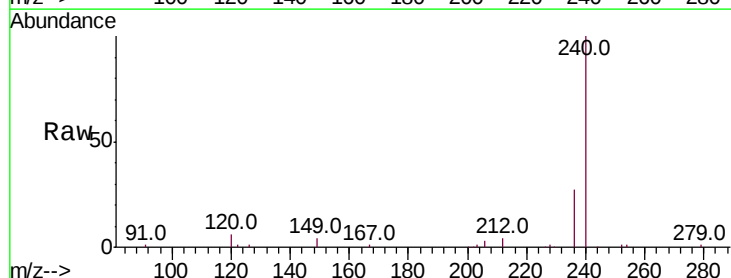
Tgt Ion:240 Resp: 19539

Ion Ratio Lower Upper

240 100

120 6.2 7.9 11.9#

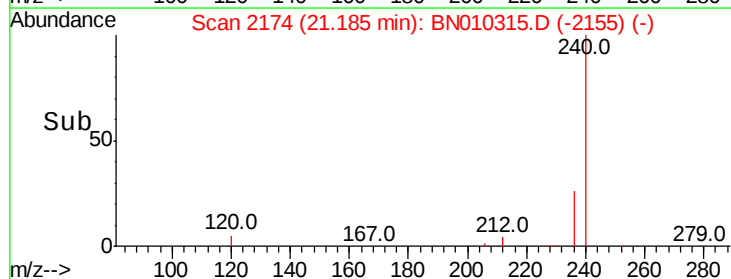
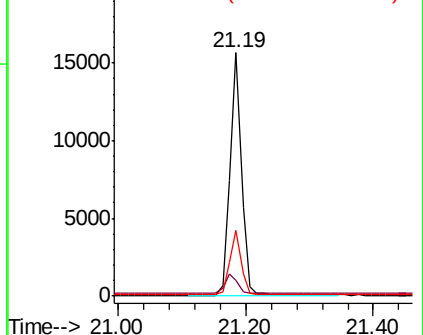
236 26.9 22.2 33.4

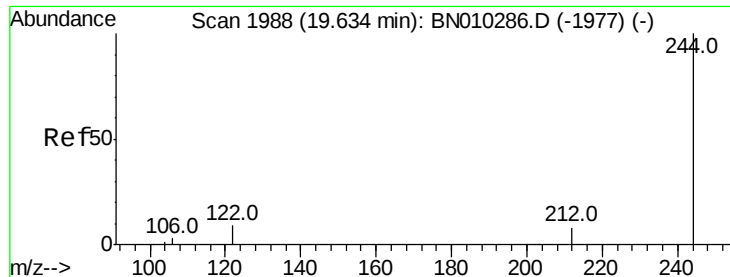


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.465 ng

RT: 19.63 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BN010315.D

Acq: 20 Mar 2020 22:43

Instrument :

BNA\_N

ClientSampleId :

PB127714BL

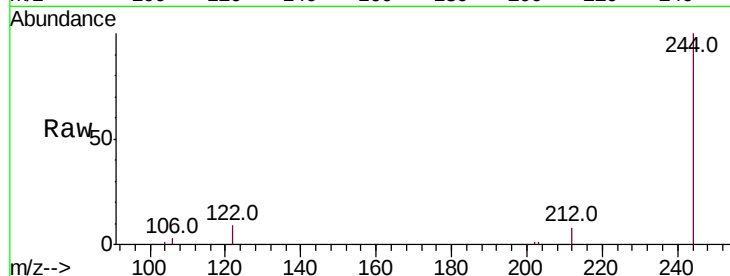
Tot Ion:244 Resp: 19624

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

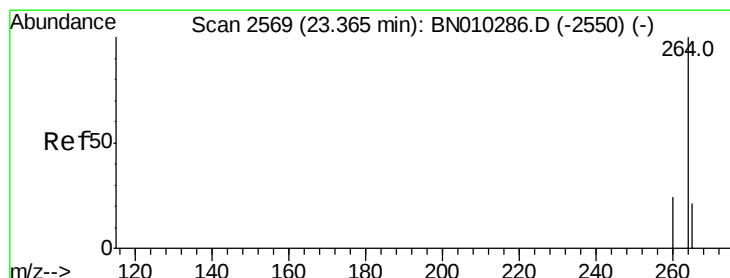
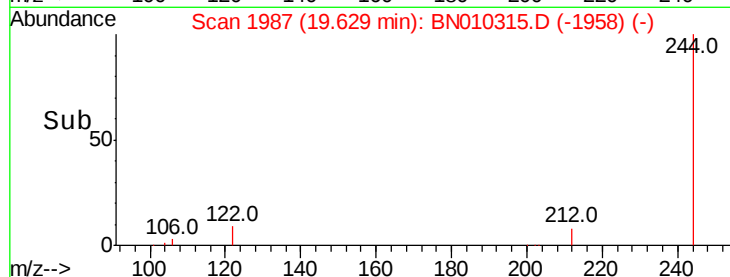
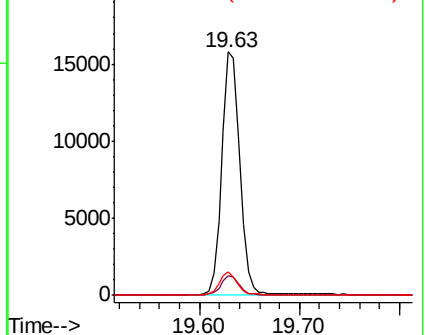
122 9.4 7.6 11.4



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: 23.36 min Scan# 2567

Delta R.T. -0.01 min

Lab File: BN010315.D

Acq: 20 Mar 2020 22:43

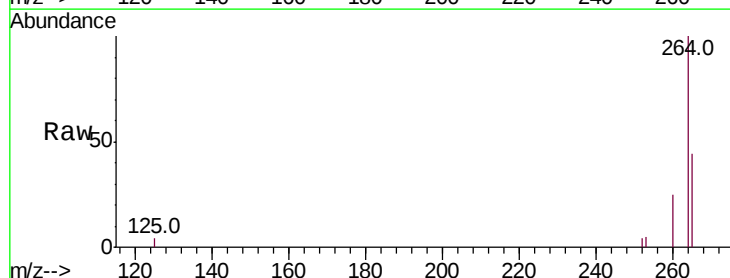
Tgt Ion:264 Resp: 18803

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 44.2 32.4 48.6



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

