

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090920\  
 Data File : BN011763.D  
 Acq On : 09 Sep 2020 12:19  
 Operator : CG/JU  
 Sample : PB131470BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB131470BL

Quant Time: Sep 09 13:25:24 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 09 10:54:46 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.73  | 152  | 3913     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.52 | 136  | 14548    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10        | 14.37 | 164  | 8135     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 17.11 | 188  | 18538    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12            | 21.31 | 240  | 16897    | 0.40 | ng    | 0.00     |
| 36) Perylene-d12            | 23.56 | 264  | 17983    | 0.40 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.33  | 112  | 4048     | 0.37 | ng    | 0.00     |
| 5) Phenol-d6                | 6.90  | 99   | 5097     | 0.34 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.87  | 82   | 6159     | 0.44 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152  | 8119     | 0.31 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.87 | 330  | 1140     | 0.29 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.99 | 172  | 15134    | 0.44 | ng    | 0.00     |
| 27) Fluoranthene-d10        | 19.15 | 212  | 18117    | 0.30 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.75 | 244  | 20246    | 0.48 | ng    | 0.00     |

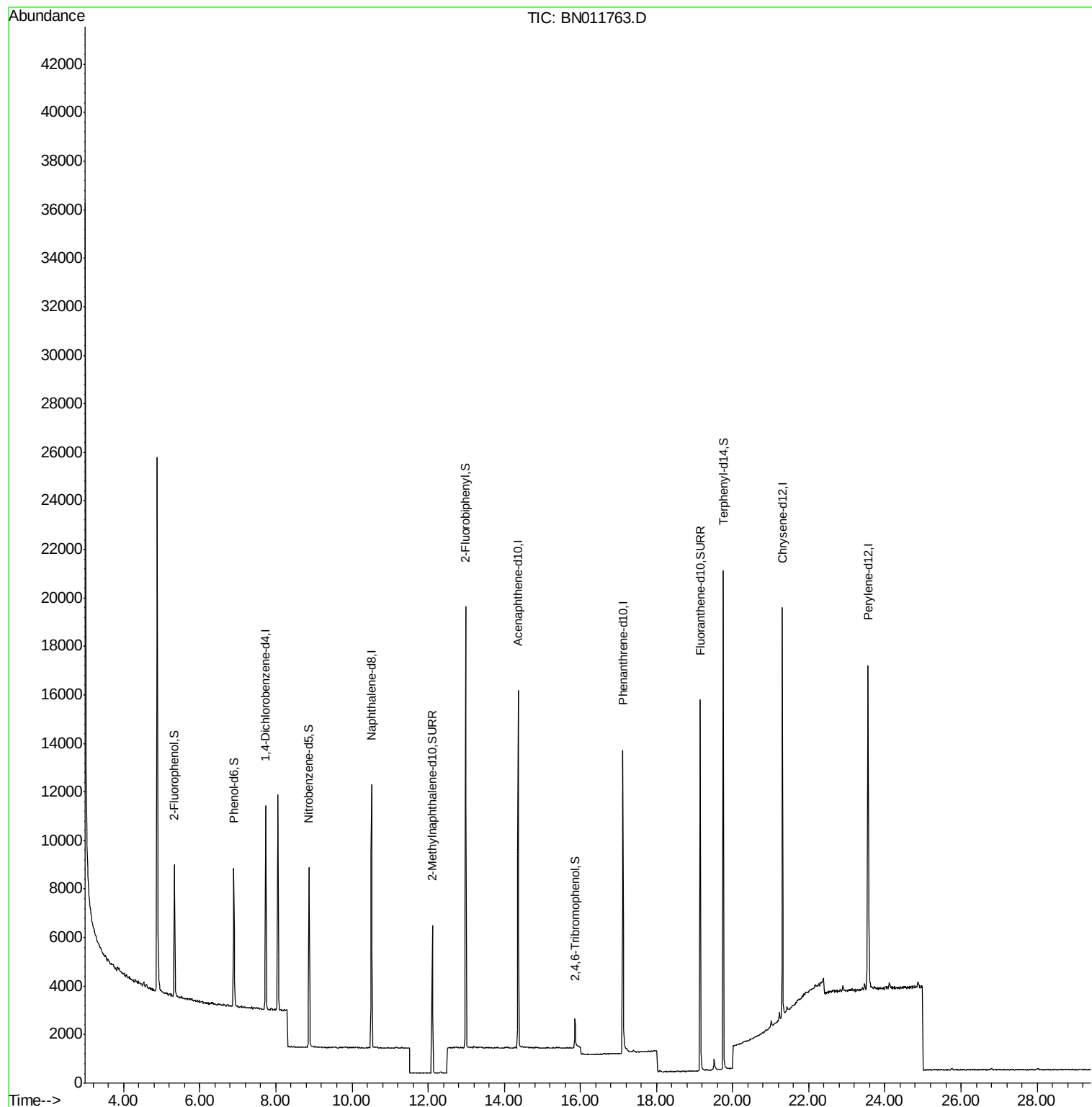
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

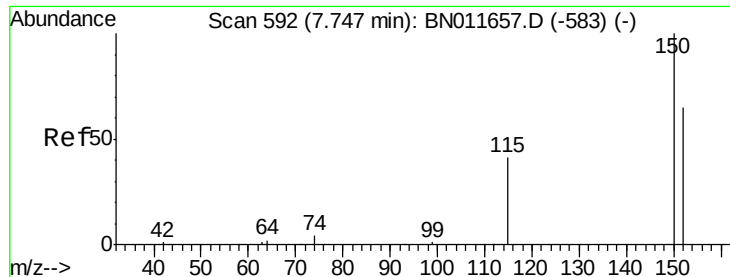
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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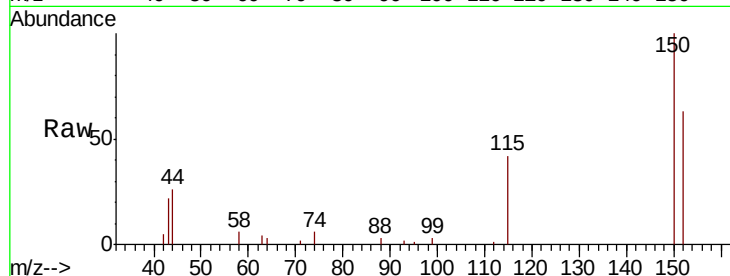


#1

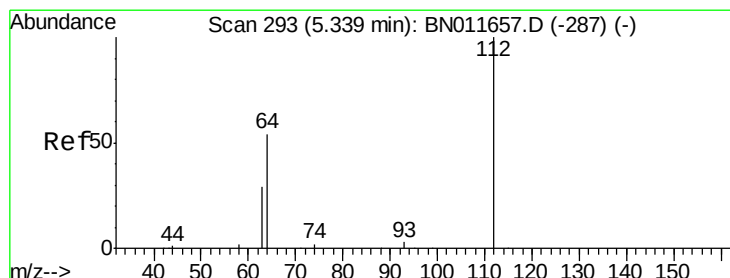
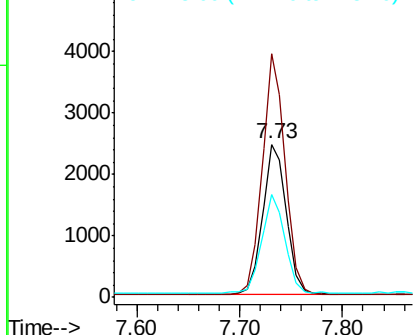
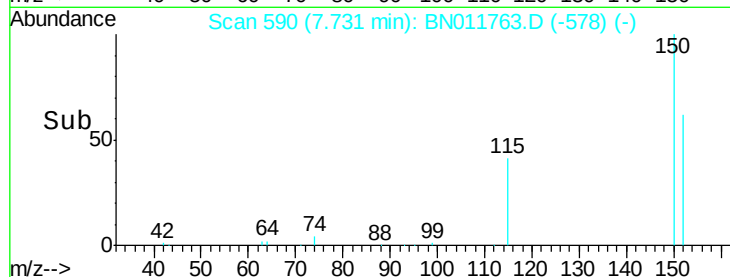
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.73 min Scan# 590  
Delta R.T. 0.00 min  
Lab File: BN011763.D  
Acq: 09 Sep 2020 12:19

Instrument :  
BNA\_N  
ClientSampleId :  
PB131470BL

Tot Ion:152 Resp: 3913  
Ion Ratio Lower Upper  
152 100  
150 158.8 121.0 181.6  
115 67.4 52.6 78.8



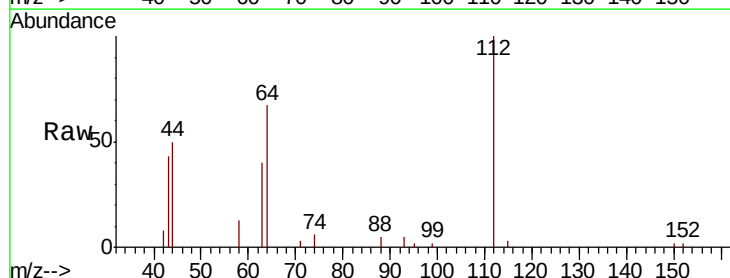
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



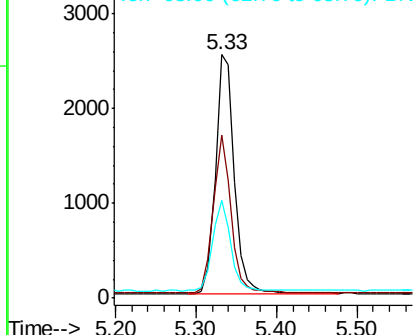
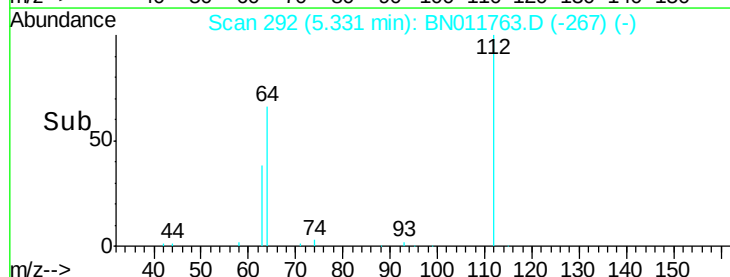
#4

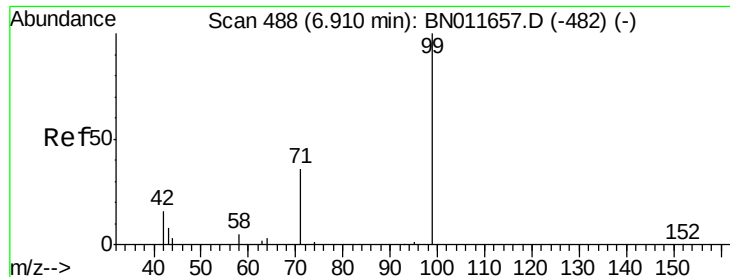
2-Fluorophenol  
Concen: 0.366 ng  
RT: 5.33 min Scan# 292  
Delta R.T. 0.00 min  
Lab File: BN011763.D  
Acq: 09 Sep 2020 12:19

Tgt Ion:112 Resp: 4048  
Ion Ratio Lower Upper  
112 100  
64 62.1 49.7 74.5  
63 36.1 29.4 44.0



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: 0.339 ng

RT: 6.90 min Scan# 487

Delta R.T. 0.01 min

Lab File: BN011763.D

Acq: 09 Sep 2020 12:19

Instrument :

BNA\_N

ClientSampleId :

PB131470BL

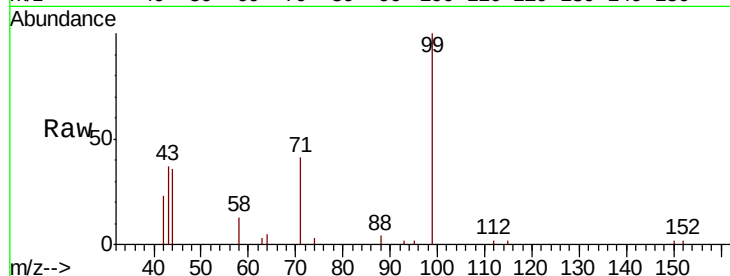
Tot Ion: 99 Resp: 5097

Ion Ratio Lower Upper

99 100

42 24.5 20.2 30.2

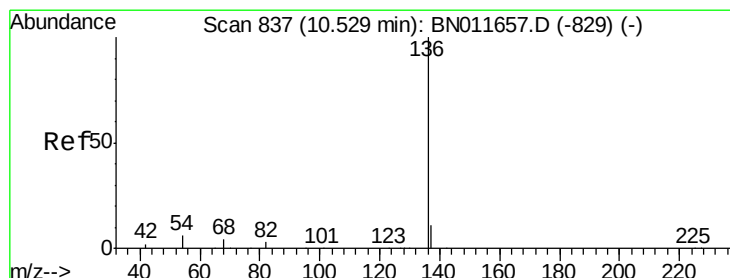
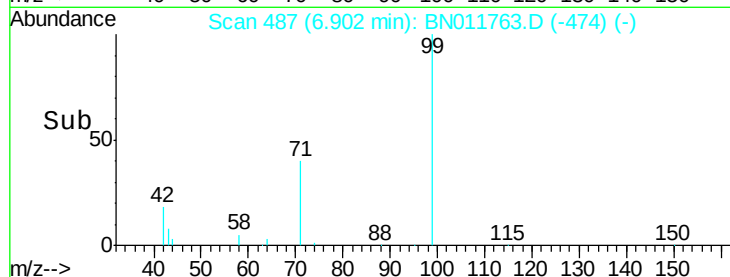
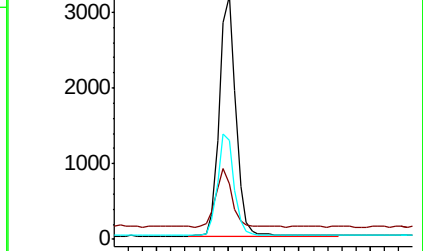
71 42.4 33.3 49.9



Abundance Ion 99.00 (98.70 to 99.70): BN011657.D (-482) (-)

Ion 42.00 (41.70 to 42.70): BN011657.D (-482) (-)

Ion 71.00 (70.70 to 71.70): BN011657.D (-482) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.52 min Scan# 836

Delta R.T. 0.00 min

Lab File: BN011763.D

Acq: 09 Sep 2020 12:19

Tgt Ion: 136 Resp: 14548

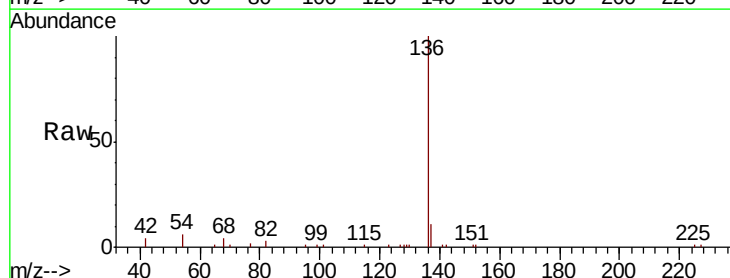
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 5.8 5.8 8.8#

68 3.9 4.1 6.1#

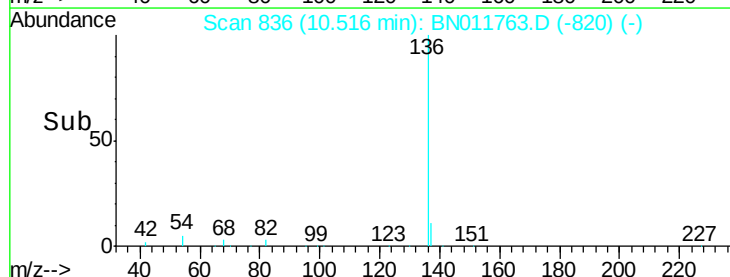
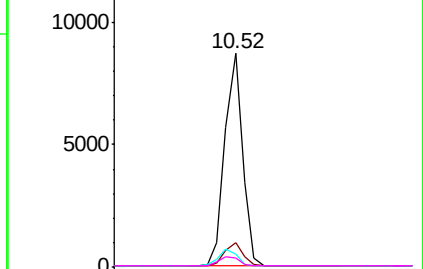


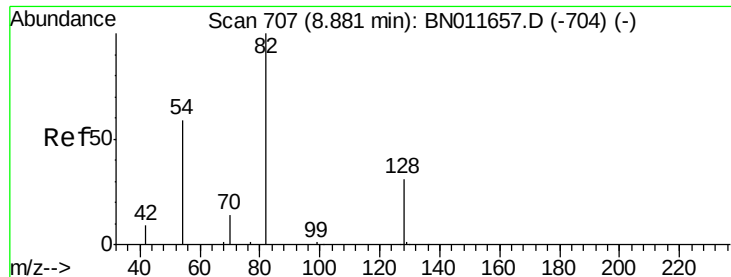
Abundance Ion 136.00 (135.70 to 136.70): BN011657.D (-829) (-)

Ion 137.00 (136.70 to 137.70): BN011657.D (-829) (-)

Ion 54.00 (53.70 to 54.70): BN011657.D (-829) (-)

Ion 68.00 (67.70 to 68.70): BN011657.D (-829) (-)

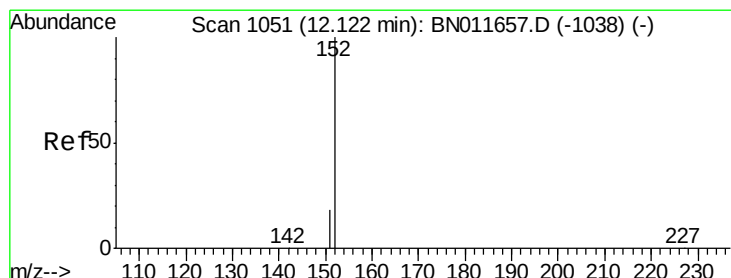
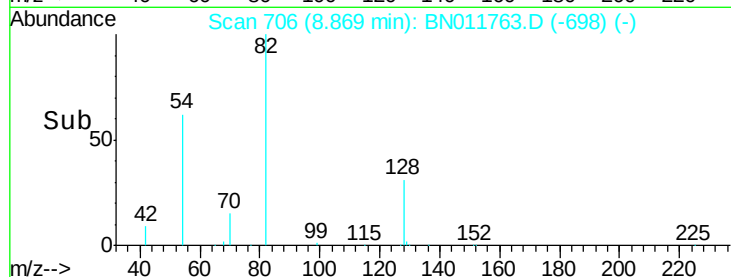
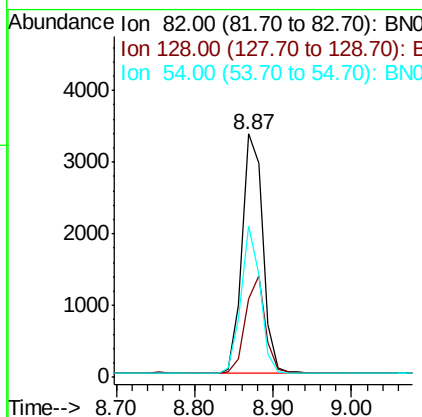
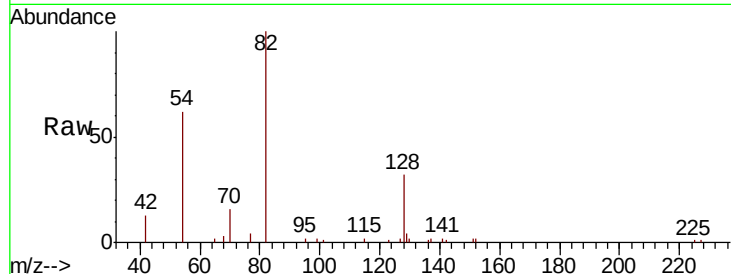




#8  
 Nitrobenzene-d5  
 Concen: 0.437 ng  
 RT: 8.87 min Scan# 706  
 Delta R.T. 0.00 min  
 Lab File: BN011763.D  
 Acq: 09 Sep 2020 12:19

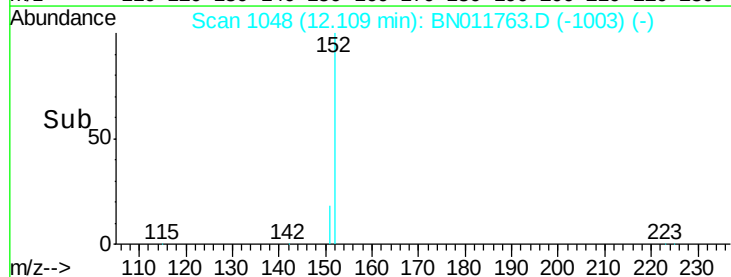
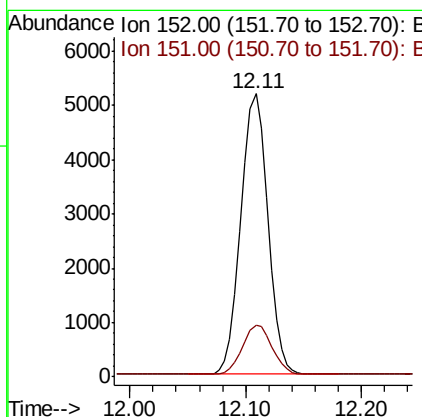
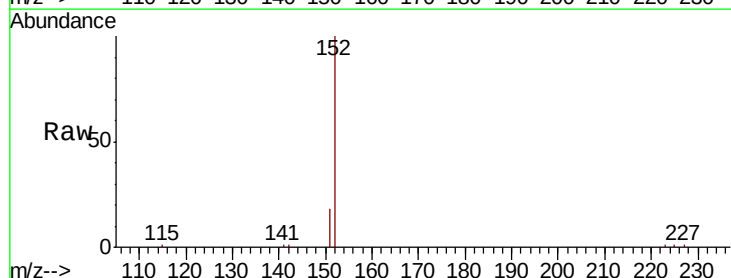
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB131470BL

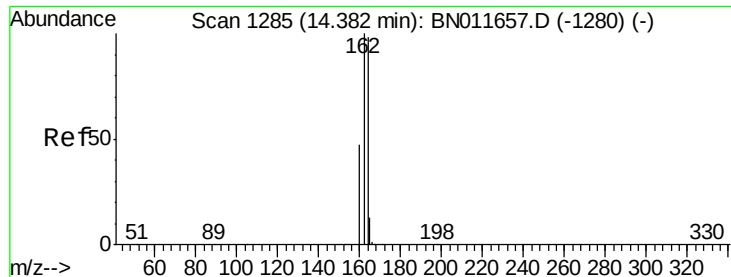
| Tot Ion   | 82.00 | Resp  | 6159 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 32.3  | 26.2  | 39.2 |
| 54        | 62.3  | 48.2  | 72.4 |



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.310 ng  
 RT: 12.11 min Scan# 1048  
 Delta R.T. 0.00 min  
 Lab File: BN011763.D  
 Acq: 09 Sep 2020 12:19

| Tgt Ion   | 152.00 | Resp  | 8119 |
|-----------|--------|-------|------|
| Ion Ratio | Lower  | Upper |      |
| 152       | 100    |       |      |
| 151       | 19.4   | 16.7  | 25.1 |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.37 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BN011763.D

Acq: 09 Sep 2020 12:19

Instrument :

BNA\_N

ClientSampleId :

PB131470BL

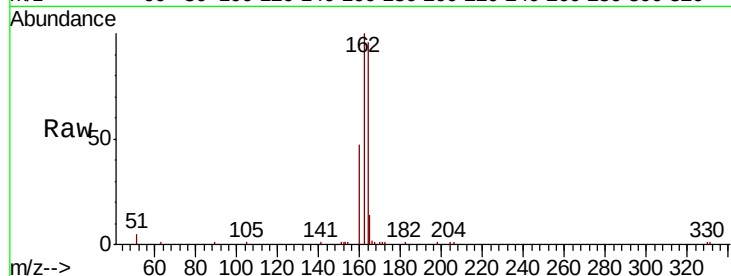
Tot Ion:164 Resp: 8135

Ion Ratio Lower Upper

164 100

162 103.7 81.4 122.0

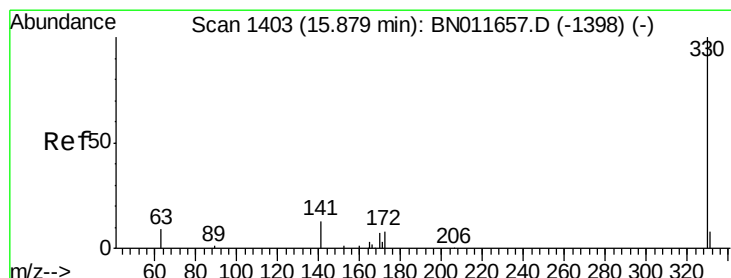
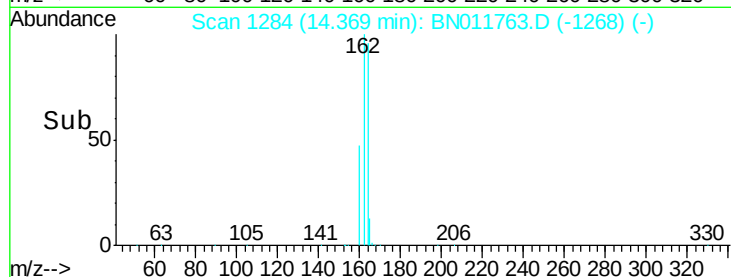
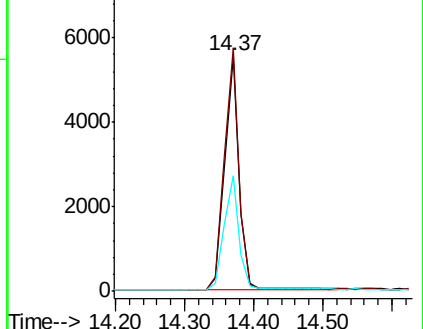
160 49.0 38.5 57.7



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: 0.289 ng

RT: 15.87 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BN011763.D

Acq: 09 Sep 2020 12:19

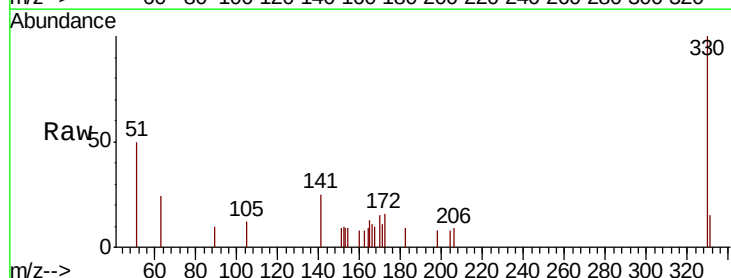
Tgt Ion:330 Resp: 1140

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

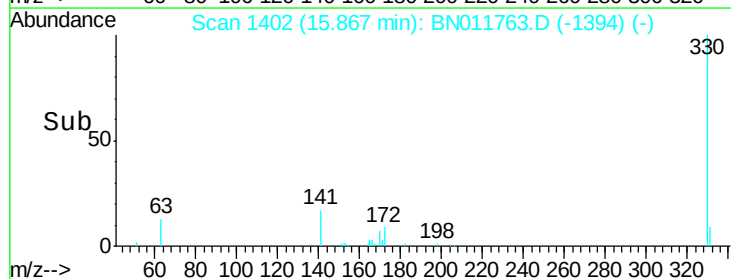
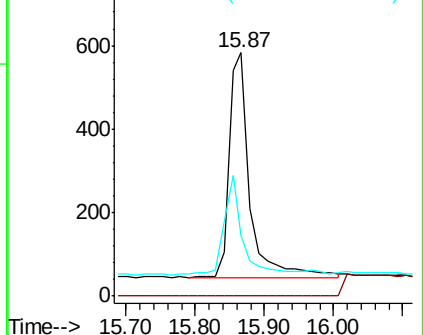
141 37.2 29.8 44.8

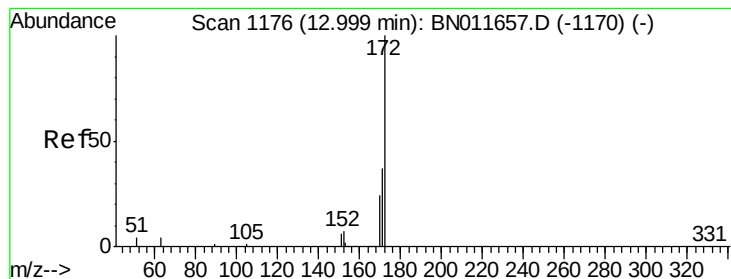


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.440 ng

RT: 12.99 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BN011763.D

Acq: 09 Sep 2020 12:19

Instrument :

BNA\_N

ClientSampleId :

PB131470BL

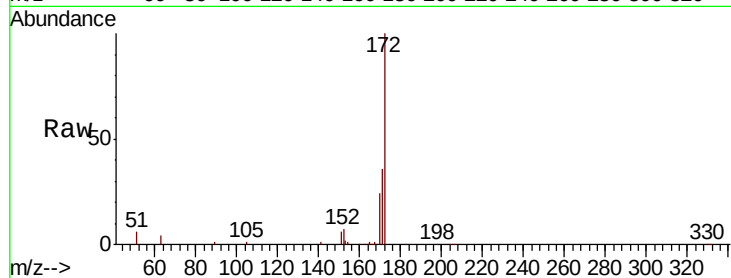
Tot Ion:172 Resp: 15134

Ion Ratio Lower Upper

172 100

171 35.8 30.0 45.0

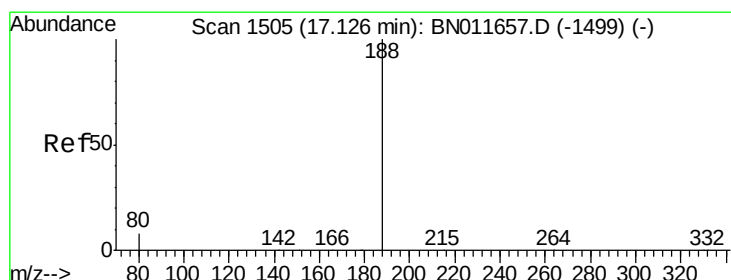
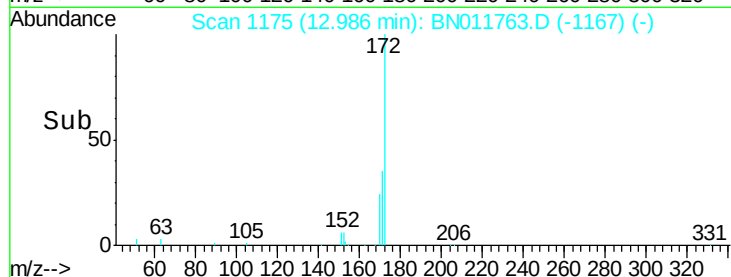
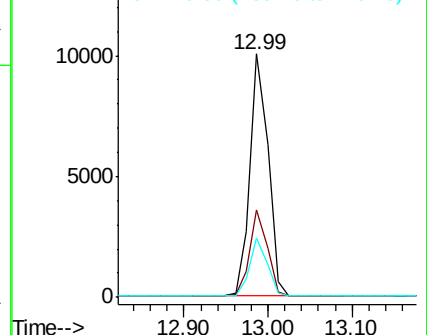
170 24.3 20.1 30.1



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: 17.11 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BN011763.D

Acq: 09 Sep 2020 12:19

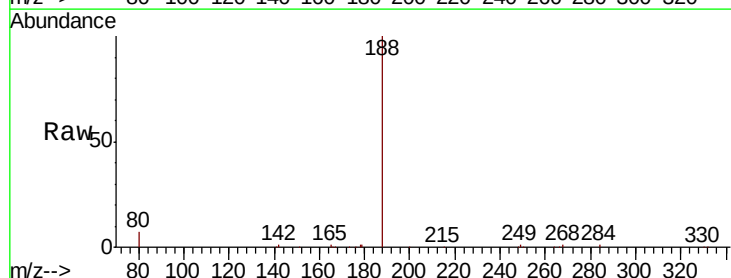
Tgt Ion:188 Resp: 18538

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

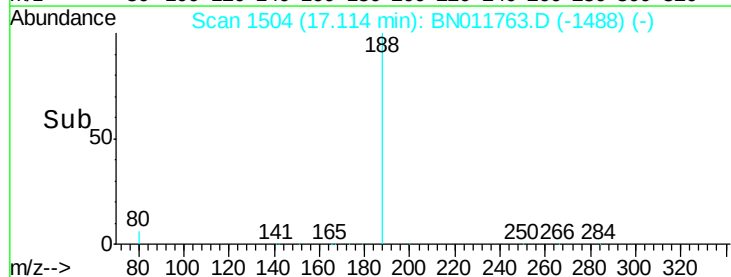
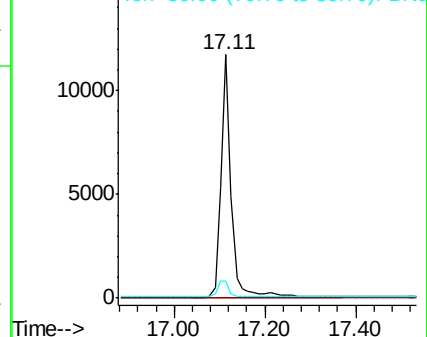
80 6.9 6.6 9.8

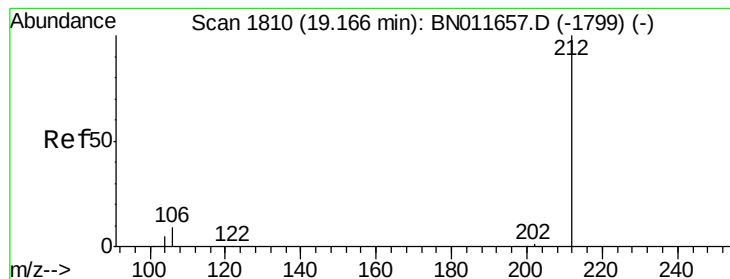


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#27

Fluoranthene-d10

Concen: 0.305 ng

RT: 19.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BN011763.D

Acq: 09 Sep 2020 12:19

Instrument :

BNA\_N

ClientSampleId :

PB131470BL

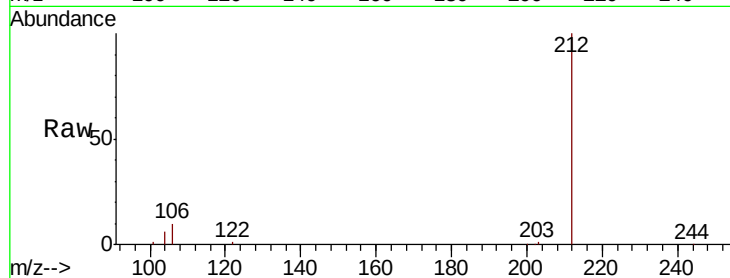
Tot Ion:212 Resp: 18117

Ion Ratio Lower Upper

212 100

106 9.3 7.6 11.4

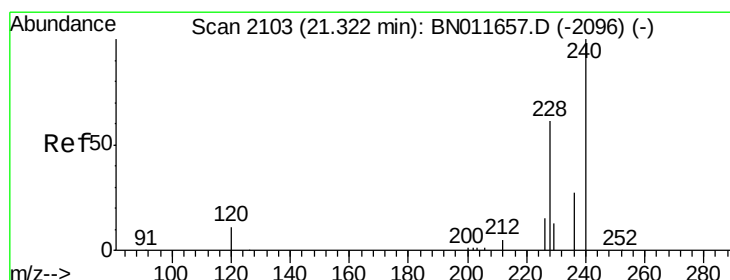
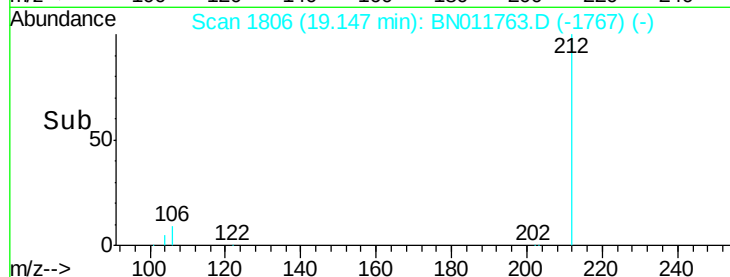
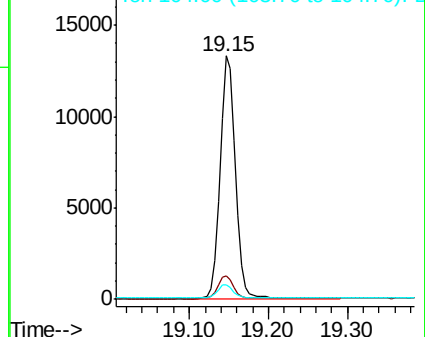
104 5.5 4.6 6.8



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



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.31 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BN011763.D

Acq: 09 Sep 2020 12:19

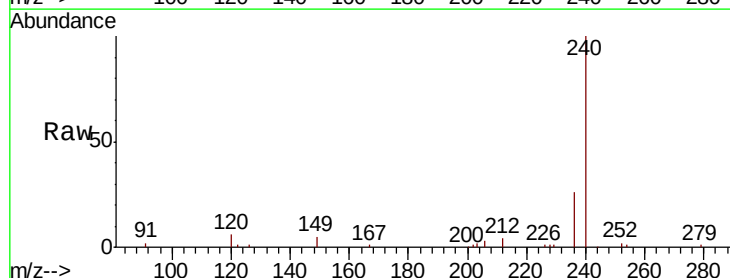
Tgt Ion:240 Resp: 16897

Ion Ratio Lower Upper

240 100

120 6.0 9.9 14.9#

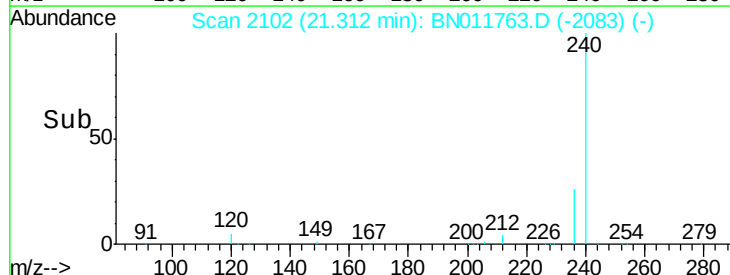
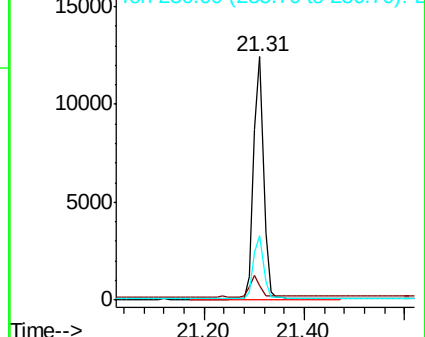
236 26.5 22.2 33.4



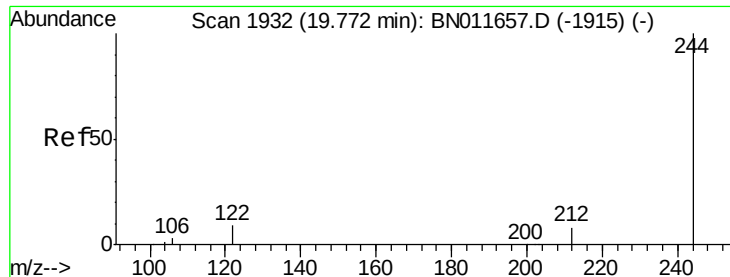
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#31

Terphenyl-d14

Concen: 0.483 ng

RT: 19.75 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BN011763.D

Acq: 09 Sep 2020 12:19

Instrument :

BNA\_N

ClientSampleId :

PB131470BL

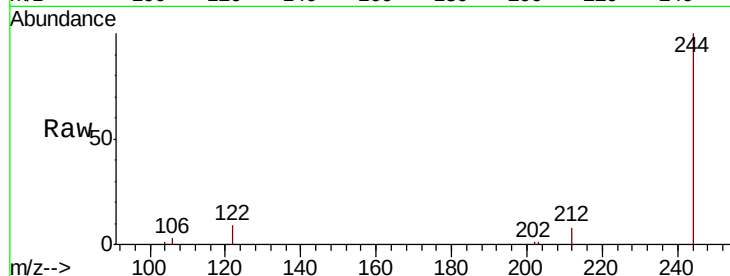
Tot Ion:244 Resp: 20246

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

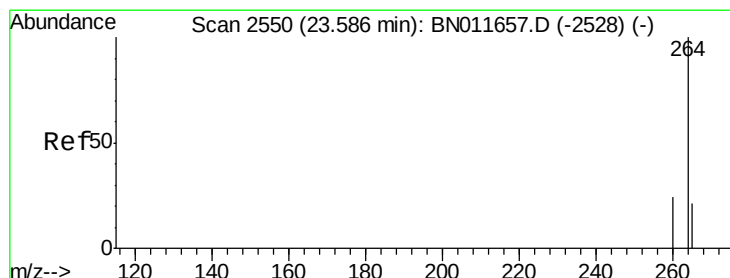
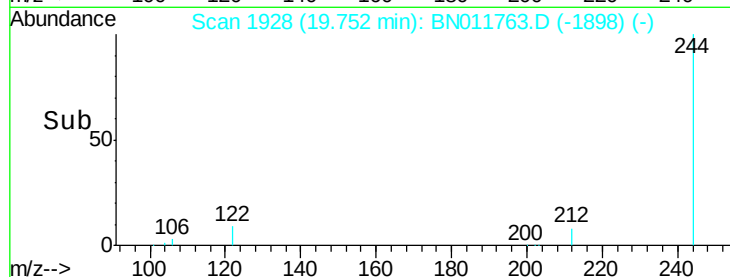
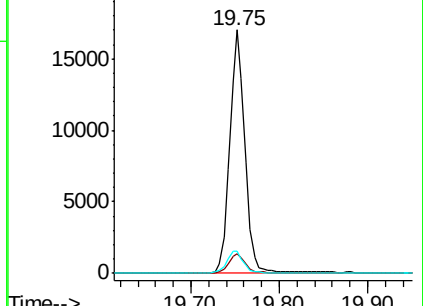
122 9.0 7.4 11.2



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



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.56 min Scan# 2542

Delta R.T. 0.00 min

Lab File: BN011763.D

Acq: 09 Sep 2020 12:19

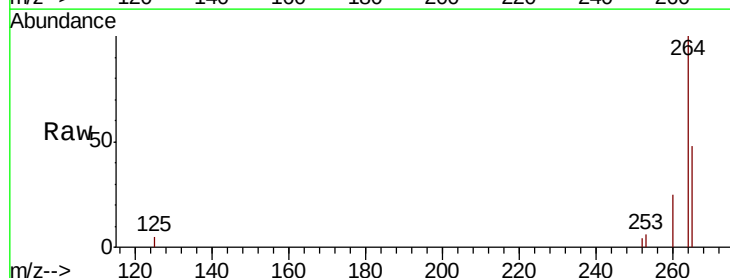
Tgt Ion:264 Resp: 17983

Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.6

265 48.5 38.9 58.3



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

