

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\  
 Data File : BN011587.D  
 Acq On : 22 Aug 2020 15:08  
 Operator : CG/JU  
 Sample : PB131113BL  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB131113BL

Quant Time: Aug 24 01:24:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082120.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 22 04:52:07 2020  
 Response via : Initial Calibration

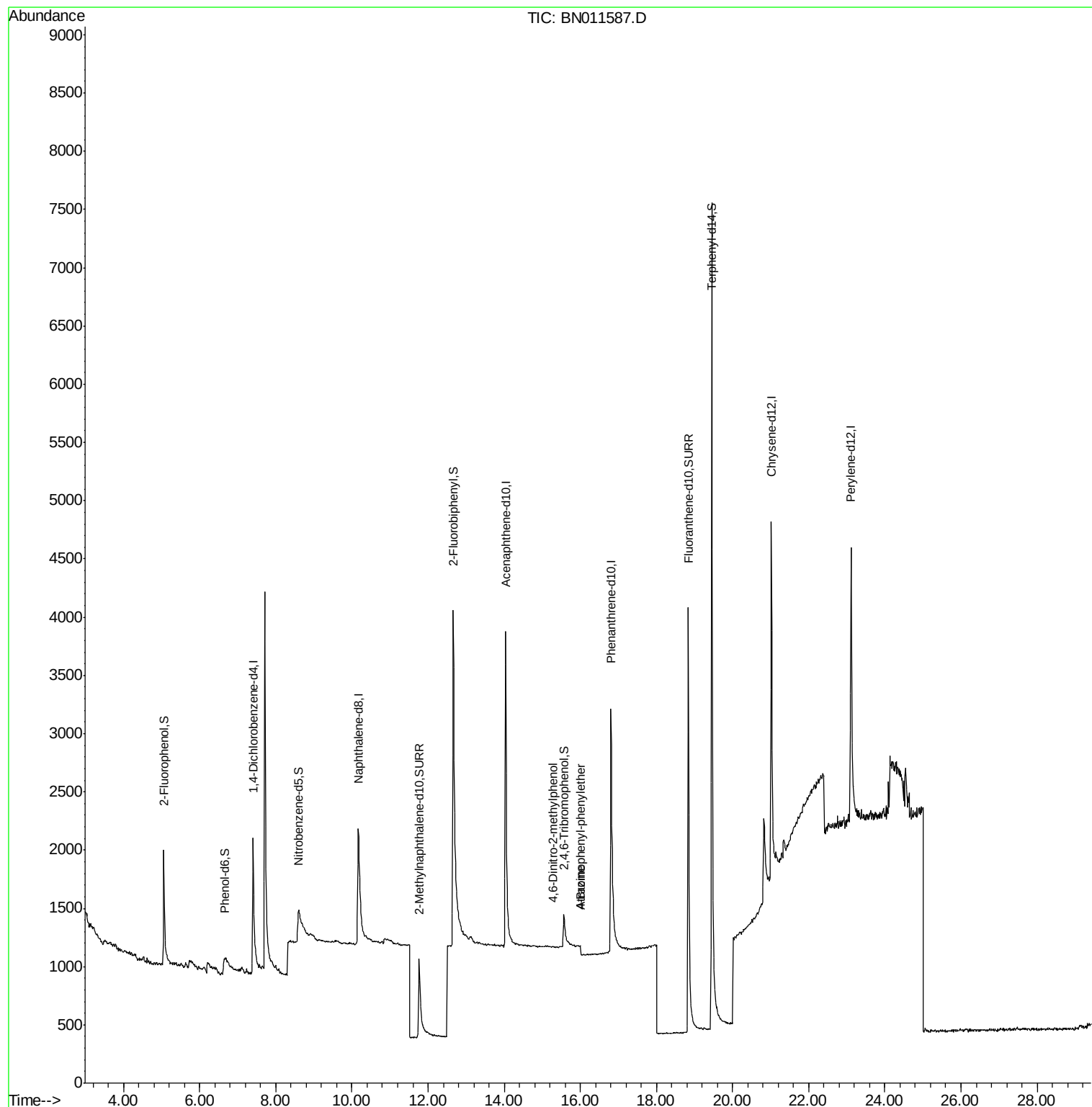
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.40  | 152  | 1097     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.16 | 136  | 3609     | 0.40  | ng    | 0.01     |
| 13) Acenaphthene-d10           | 14.04 | 164  | 2708     | 0.40  | ng    | 0.01     |
| 19) Phenanthrene-d10           | 16.80 | 188  | 6597     | 0.40  | ng    | 0.01     |
| 29) Chrysene-d12               | 21.01 | 240  | 5094     | 0.40  | ng    | 0.00     |
| 36) Perylene-d12               | 23.11 | 264  | 4525     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.06  | 112  | 1360     | 0.58  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.66  | 99   | 302      | 0.13  | ng    | 0.03     |
| 8) Nitrobenzene-d5             | 8.60  | 82   | 968      | 0.41  | ng    | 0.05     |
| 11) 2-Methylnaphthalene-d10    | 11.77 | 152  | 2254     | 0.35  | ng    | 0.02     |
| 14) 2,4,6-Tribromophenol       | 15.56 | 330  | 543      | 0.40  | ng    | 0.01     |
| 15) 2-Fluorobiphenyl           | 12.66 | 172  | 5770     | 0.52  | ng    | 0.00     |
| 27) Fluoranthene-d10           | 18.84 | 212  | 7303     | 0.33  | ng    | 0.00     |
| 31) Terphenyl-d14              | 19.45 | 244  | 11400    | 0.86  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 20) 4,6-Dinitro-2-methylphenol | 15.27 | 198  | 2        | 0.177 | ng    | # 48     |
| 21) 4-Bromophenyl-phenylether  | 16.02 | 248  | 34       | 0.024 | ng    | # 73     |
| 23) Atrazine                   | 16.02 | 200  | 101      | 0.029 | ng    | # 15     |

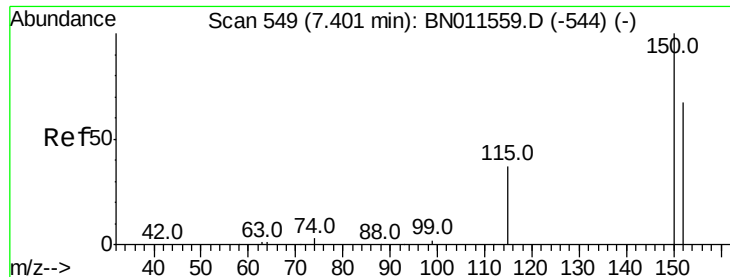
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 22 04:52:07 2020  
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 549

Delta R.T. 0.00 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

Instrument :

BNA\_N

ClientSampleId :

PB131113BL

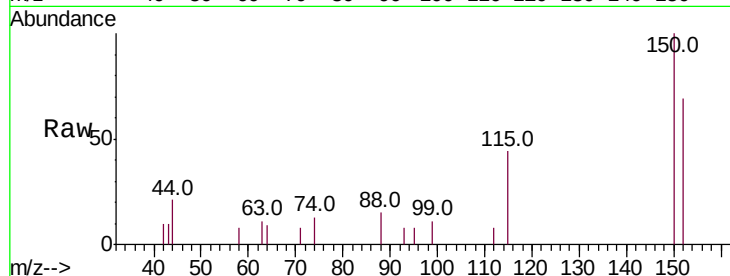
Tot Ion:152 Resp: 1097

Ion Ratio Lower Upper

152 100

150 144.2 117.1 175.7

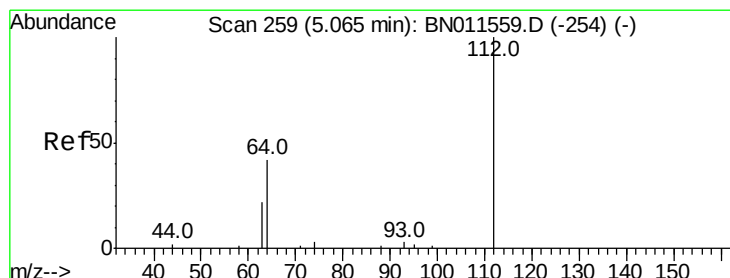
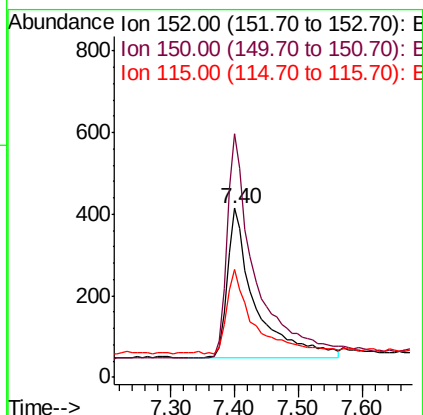
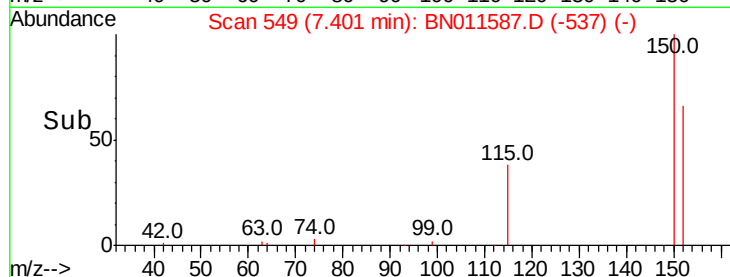
115 64.0 48.7 73.1



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: 0.581 ng

RT: 5.06 min Scan# 258

Delta R.T. -0.01 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

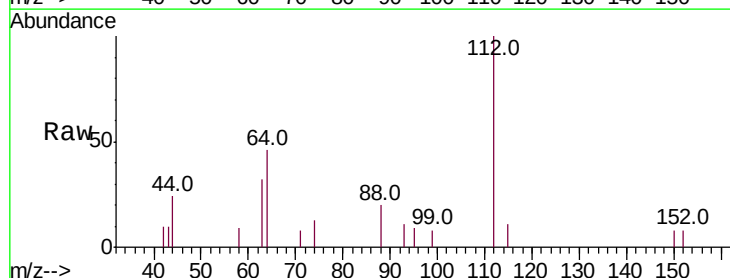
Tgt Ion:112 Resp: 1360

Ion Ratio Lower Upper

112 100

64 40.3 33.9 50.9

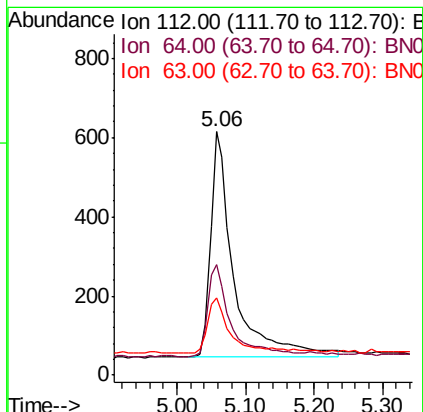
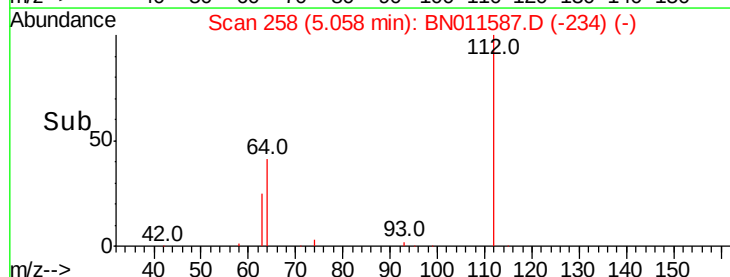
63 23.1 17.7 26.5

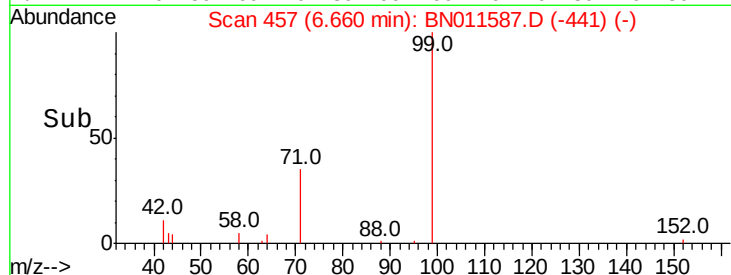
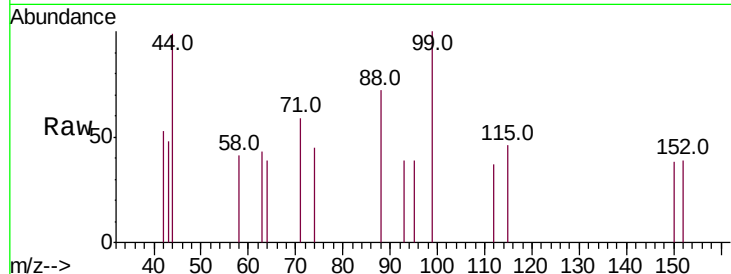
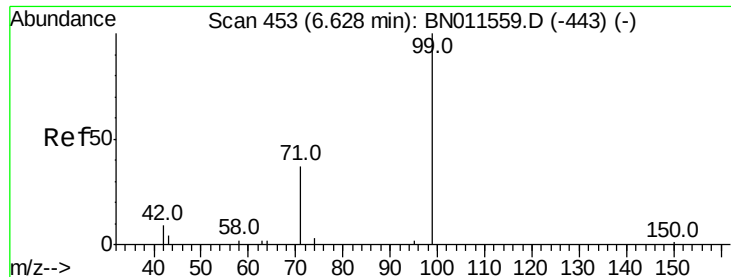


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.128 ng

RT: 6.66 min Scan# 457

Delta R.T. 0.03 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

Instrument :

BNA\_N

ClientSampleId :

PB131113BL

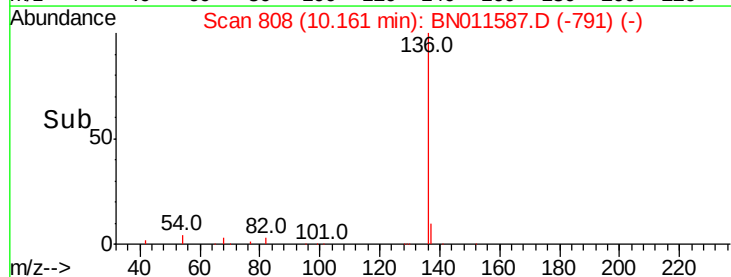
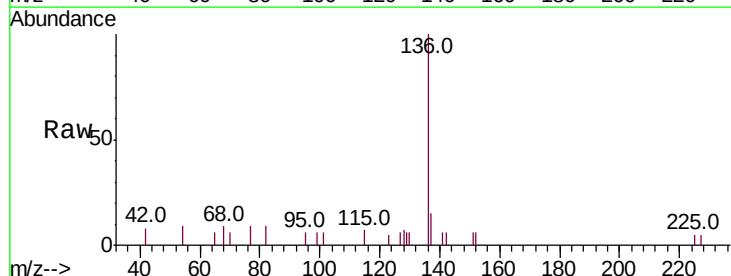
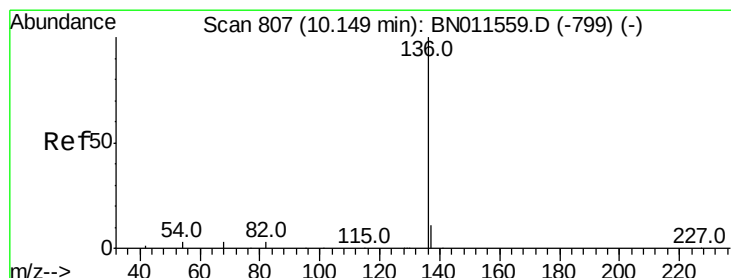
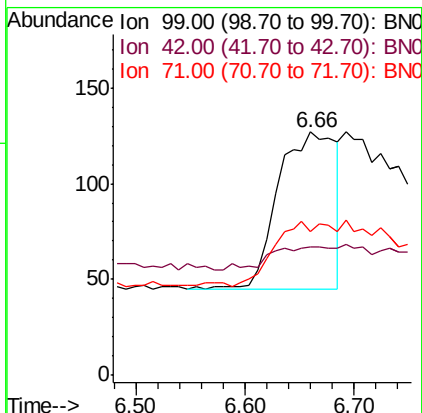
Tot Ion: 99 Resp: 302

Ion Ratio Lower Upper

99 100

42 12.6 9.0 13.4

71 27.5 30.4 45.6#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 808

Delta R.T. 0.01 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

Tgt Ion: 136 Resp: 3609

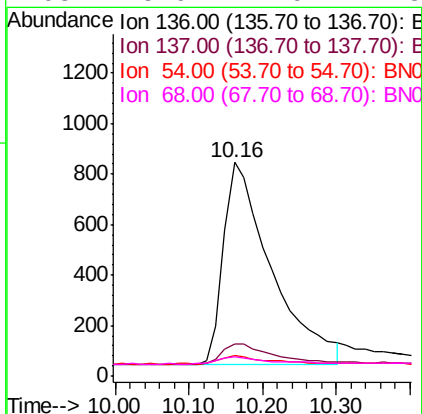
Ion Ratio Lower Upper

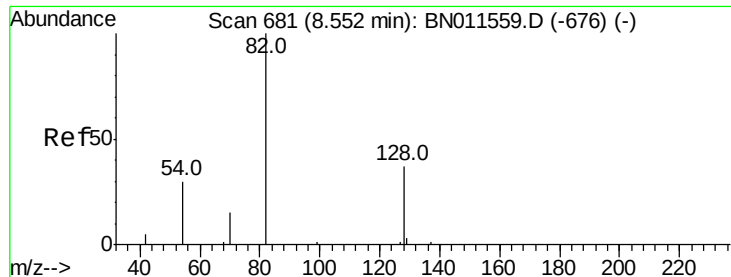
136 100

137 15.1 11.0 16.4

54 9.5 4.3 6.5#

68 8.9 4.9 7.3#





#8

Nitrobenzene-d5

Concen: 0.408 ng

RT: 8.60 min Scan# 685

Delta R.T. 0.05 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

Instrument :

BNA\_N

ClientSampleId :

PB131113BL

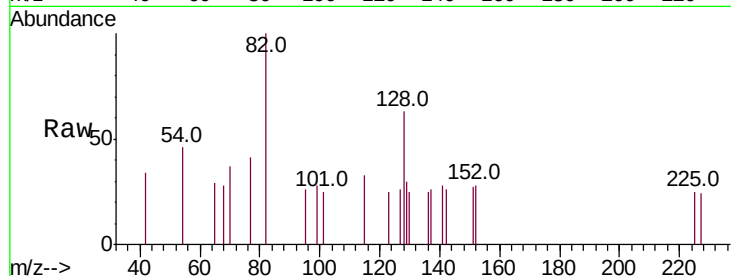
Tot Ion: 82 Resp: 968

Ion Ratio Lower Upper

82 100

128 63.2 41.7 62.5#

54 46.5 34.4 51.6

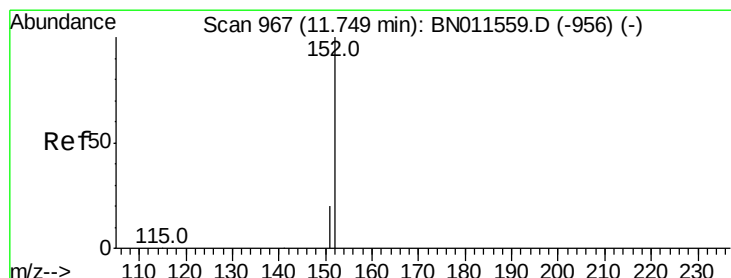
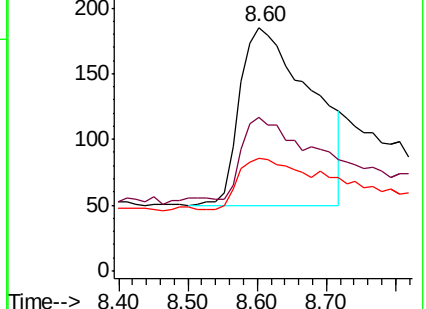
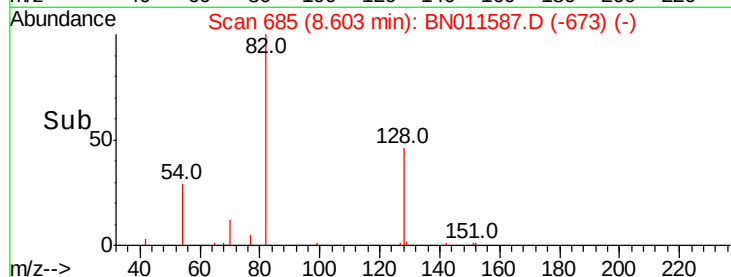


Abundance Ion 82.00 (81.70 to 82.70): BN011559.D (-676) (-)

Ion 128.00 (127.70 to 128.70): BN011559.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BN011559.D (-676) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.350 ng

RT: 11.77 min Scan# 971

Delta R.T. 0.02 min

Lab File: BN011587.D

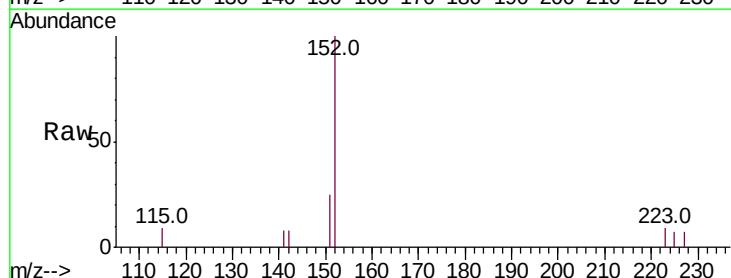
Acq: 22 Aug 2020 15:08

Tgt Ion: 152 Resp: 2254

Ion Ratio Lower Upper

152 100

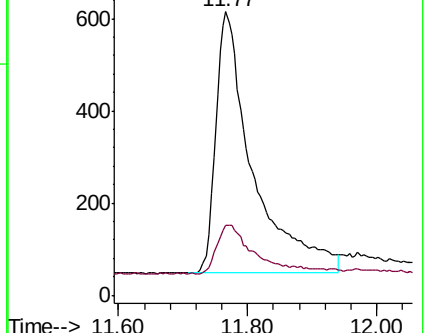
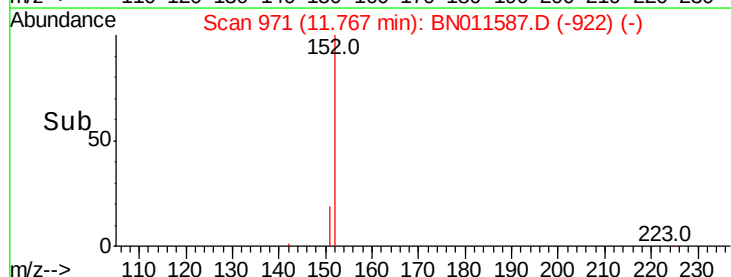
151 19.1 16.6 24.8

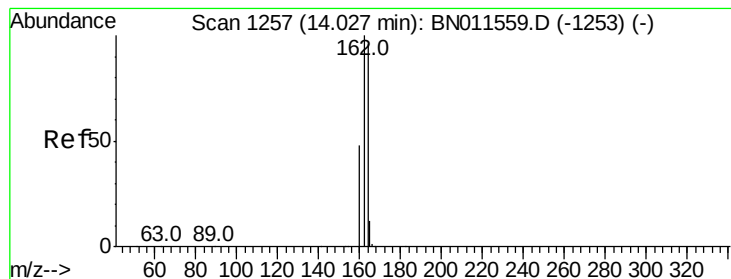


Abundance Ion 152.00 (151.70 to 152.70): BN011559.D (-956) (-)

Ion 151.00 (150.70 to 151.70): BN011559.D (-956) (-)

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

Instrument :

BNA\_N

ClientSampleId :

PB131113BL

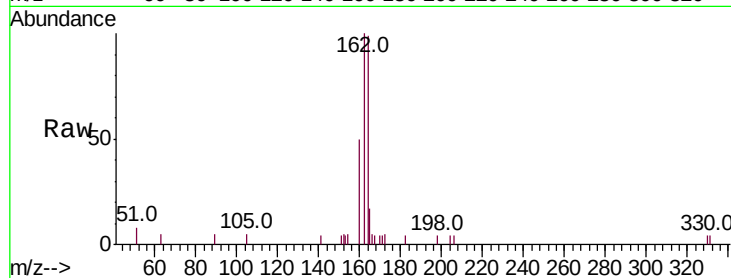
Tot Ion:164 Resp: 2708

Ion Ratio Lower Upper

164 100

162 101.3 83.7 125.5

160 50.2 41.1 61.7

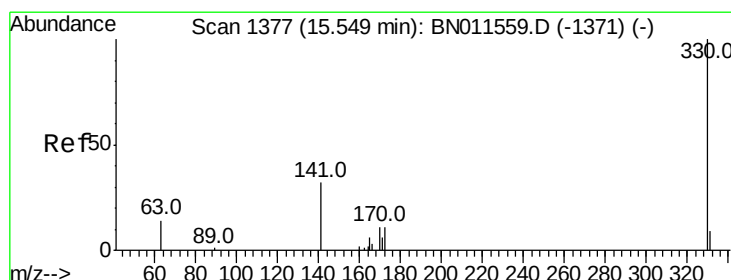
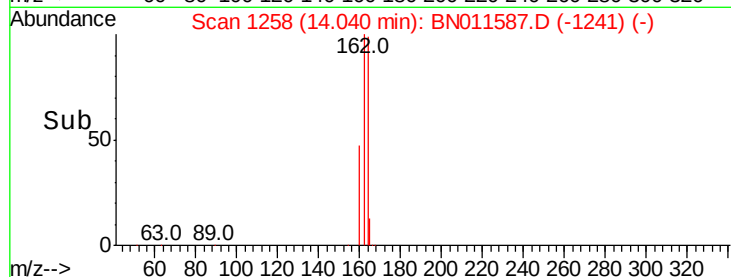
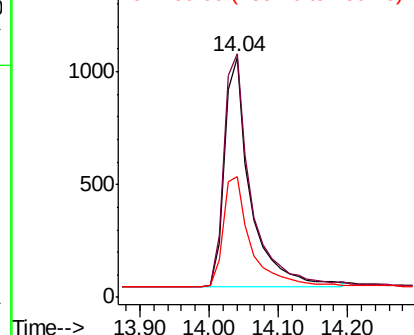


Abundance

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: 0.403 ng

RT: 15.56 min Scan# 1378

Delta R.T. 0.01 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

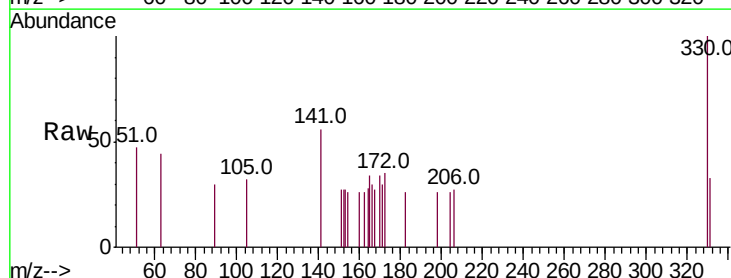
Tgt Ion:330 Resp: 543

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 39.0 34.6 52.0

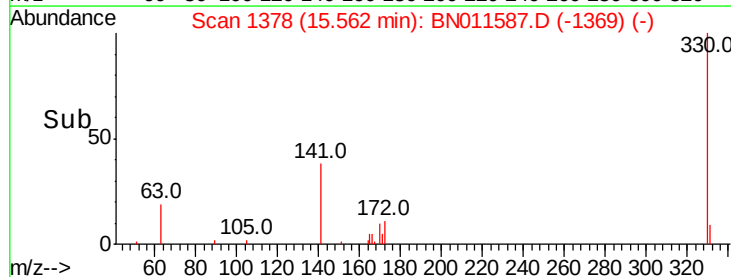
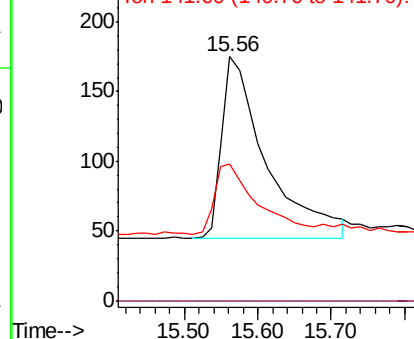


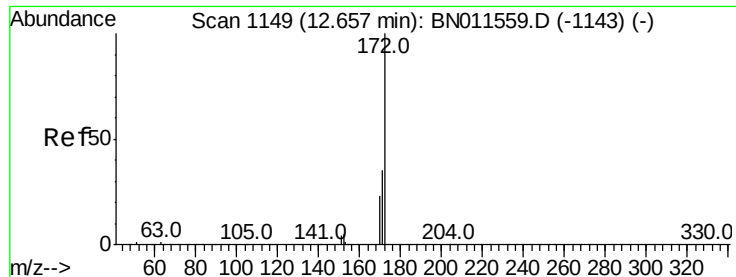
Abundance

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: 0.518 ng

RT: 12.66 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

Instrument :

BNA\_N

ClientSampleId :

PB131113BL

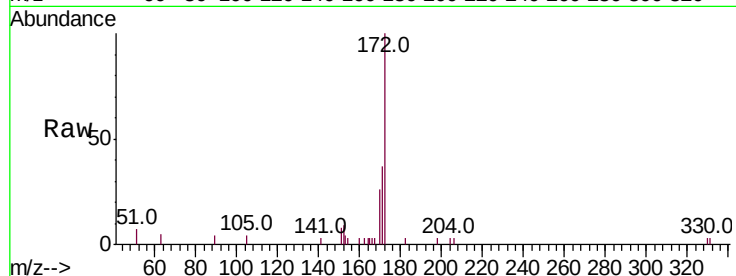
Tot Ion:172 Resp: 5770

Ion Ratio Lower Upper

172 100

171 37.2 29.4 44.0

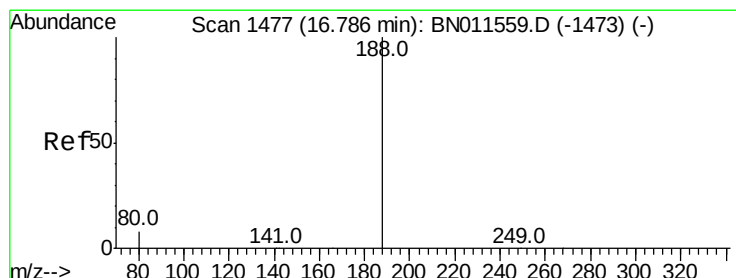
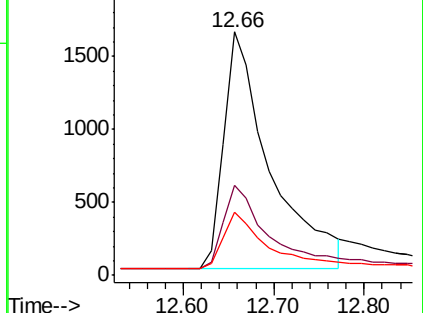
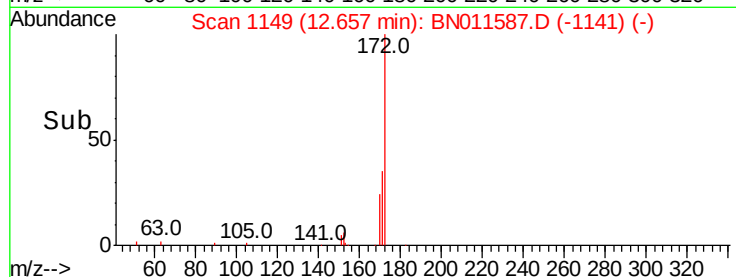
170 26.1 20.1 30.1



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: 16.80 min Scan# 1478

Delta R.T. 0.01 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

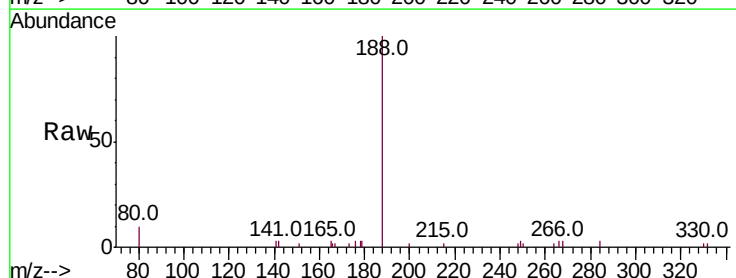
Tgt Ion:188 Resp: 6597

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

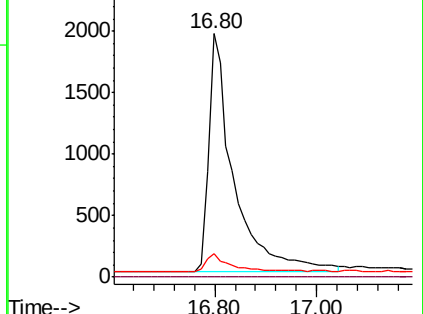
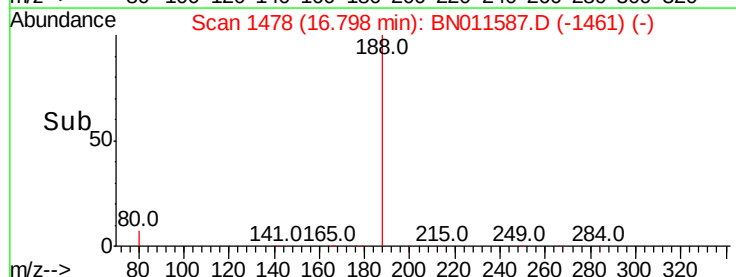
80 9.6 7.6 11.4

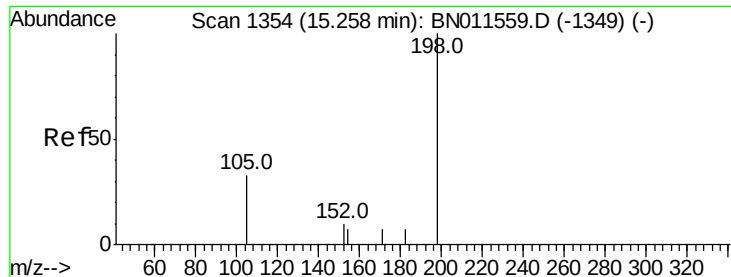


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#20

4,6-Dinitro-2-methylphenol

Concen: 0.177 ng

RT: 15.27 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

Instrument :

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ClientSampleId :

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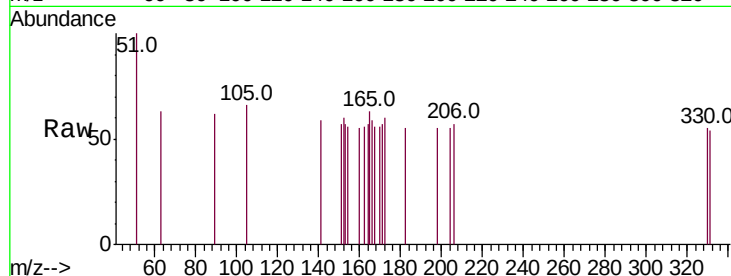
Tot Ion:198 Resp: 2

Ion Ratio Lower Upper

198 100

51 182.2 89.4 134.2#

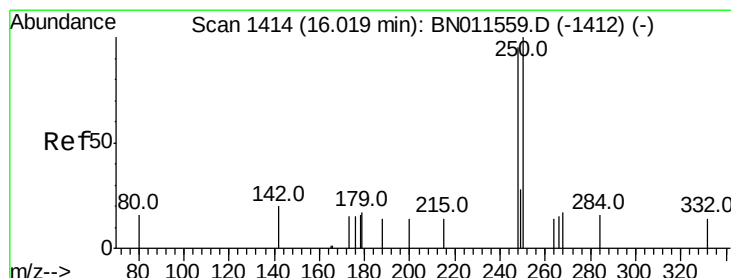
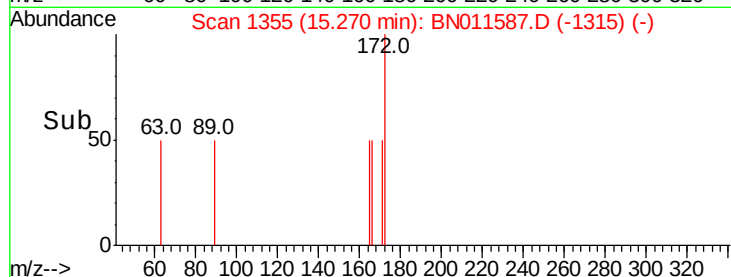
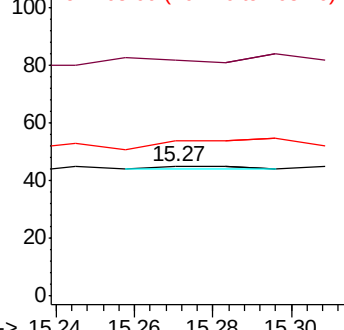
105 120.0 70.6 105.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNA

Ion 105.00 (104.70 to 105.70): E



#21

4-Bromophenyl-phenylether

Concen: 0.024 ng

RT: 16.02 min Scan# 1414

Delta R.T. 0.00 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

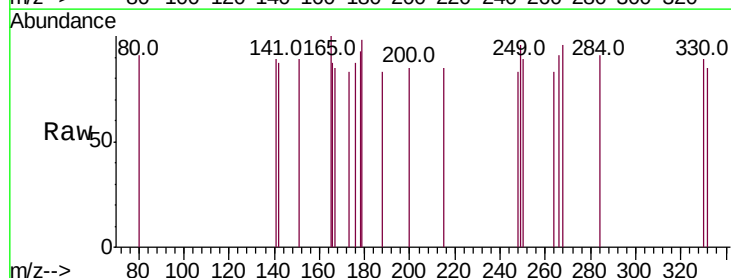
Tgt Ion:248 Resp: 34

Ion Ratio Lower Upper

248 100

250 106.7 83.8 125.8

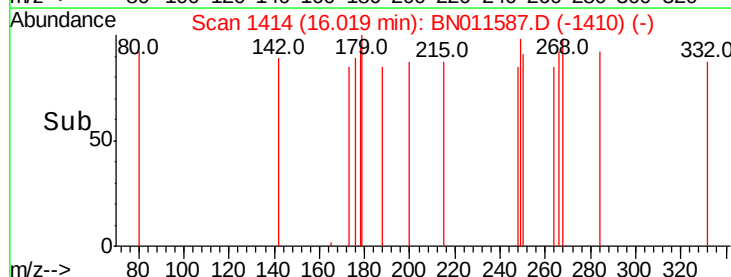
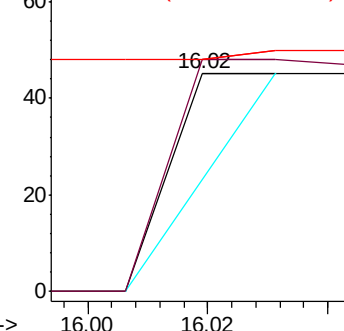
141 106.7 41.0 61.6#



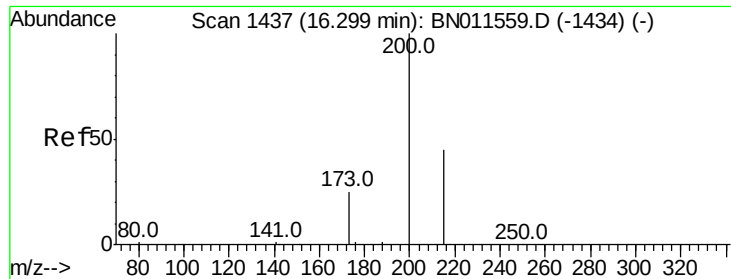
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E







#23

Atrazine

Concen: 0.029 ng

RT: 16.02 min Scan# 1414

Delta R.T. -0.28 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

Instrument :

BNA\_N

ClientSampleId :

PB131113BL

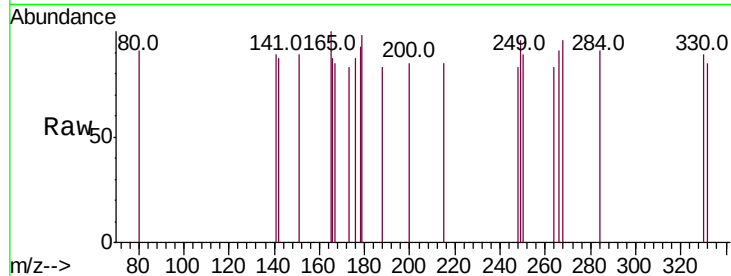
Tot Ion:200 Resp: 101

Ion Ratio Lower Upper

200 100

173 97.8 27.7 41.5#

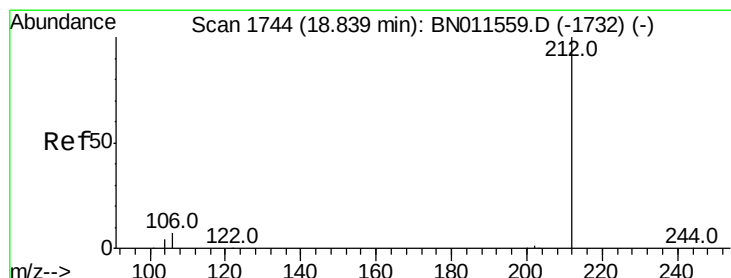
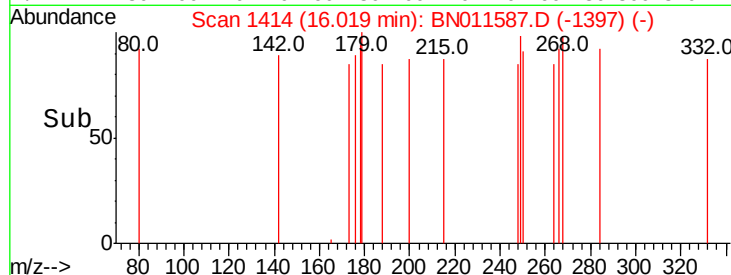
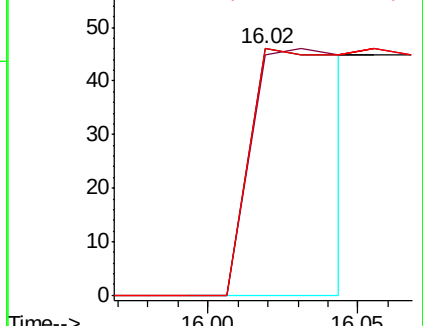
215 100.0 41.5 62.3#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#27

Fluoranthene-d10

Concen: 0.329 ng

RT: 18.84 min Scan# 1744

Delta R.T. 0.00 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

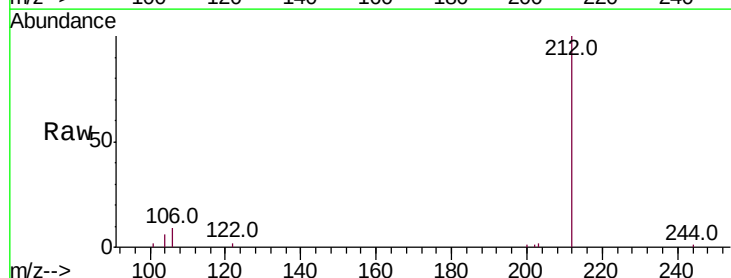
Tgt Ion:212 Resp: 7303

Ion Ratio Lower Upper

212 100

106 6.9 6.2 9.2

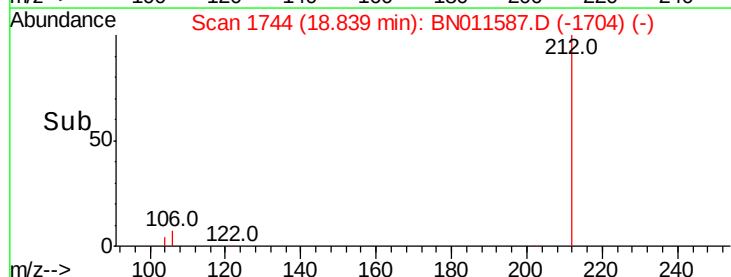
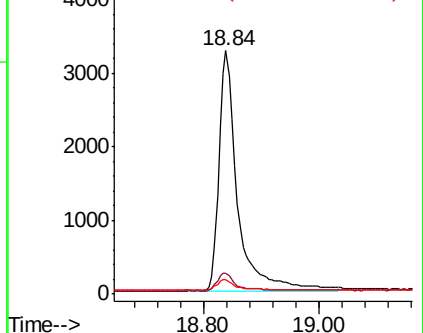
104 4.3 3.8 5.6

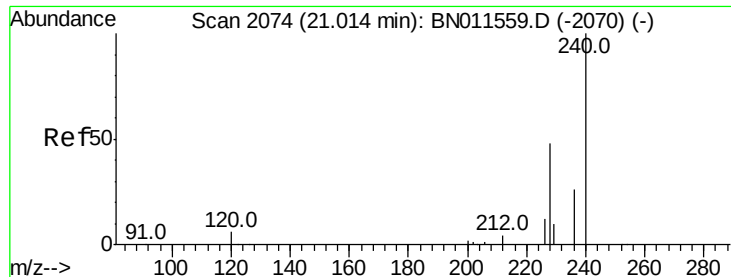


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.01 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

Instrument :

BNA\_N

ClientSampleId :

PB131113BL

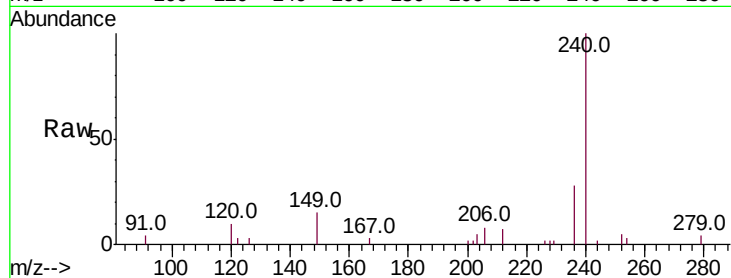
Tot Ion:240 Resp: 5094

Ion Ratio Lower Upper

240 100

120 10.1 7.4 11.0

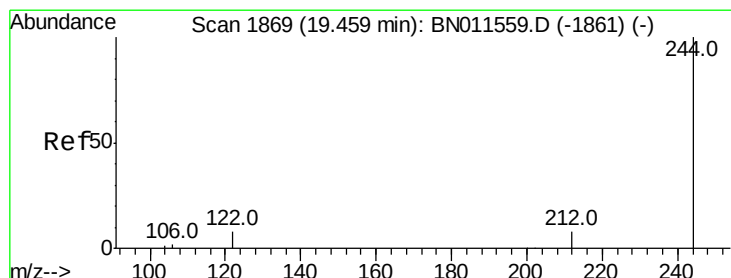
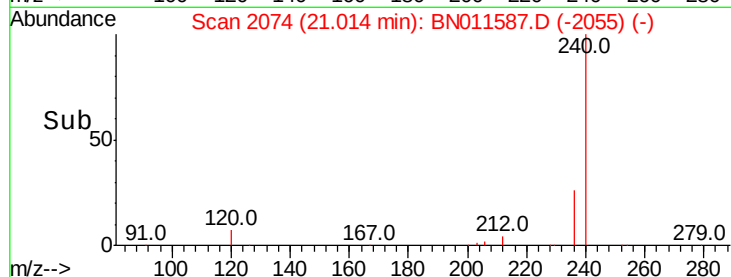
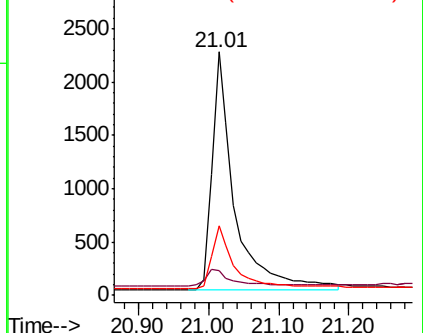
236 28.4 22.3 33.5



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: 0.858 ng

RT: 19.45 min Scan# 1868

Delta R.T. -0.00 min

Lab File: BN011587.D

Acq: 22 Aug 2020 15:08

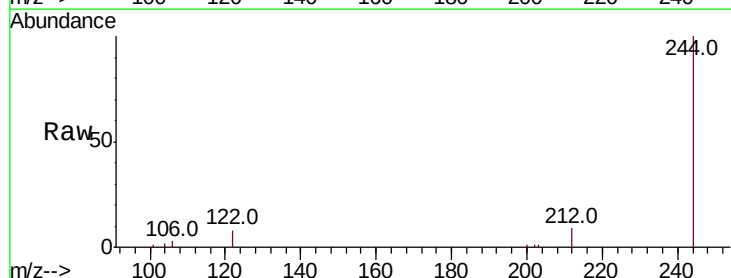
Tgt Ion:244 Resp: 11400

Ion Ratio Lower Upper

244 100

212 9.0 8.2 12.4

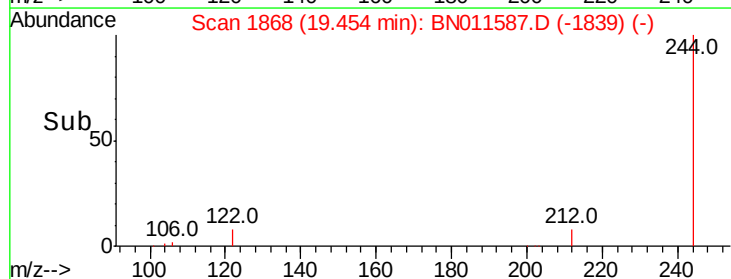
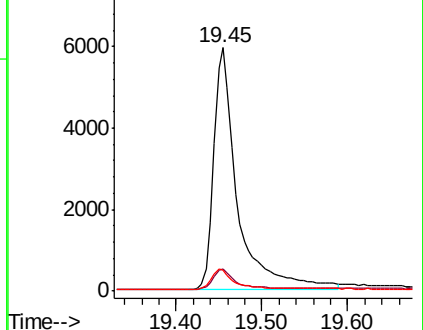
122 8.4 8.0 12.0

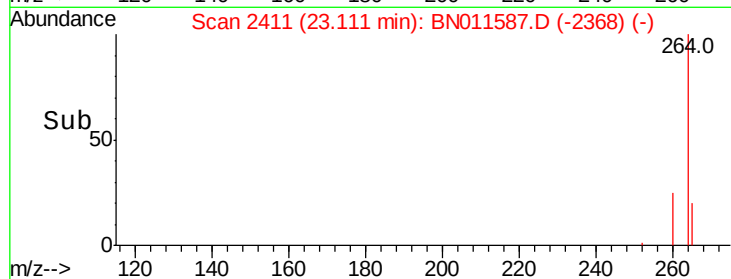
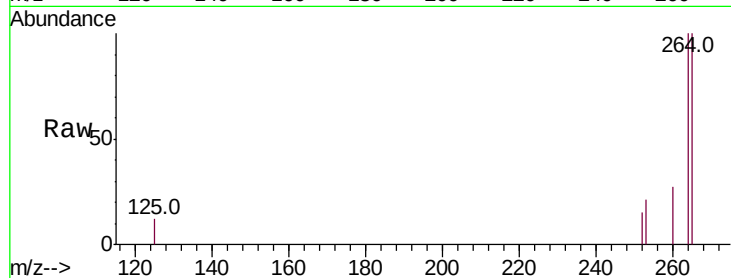
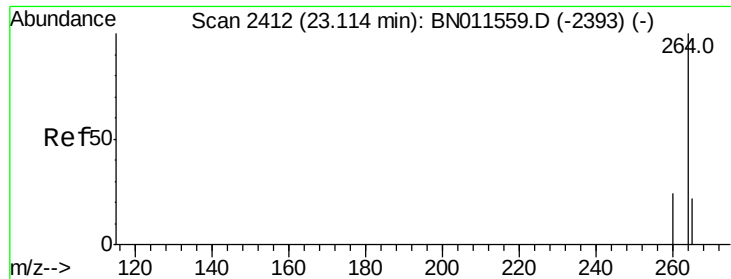


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#36  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.11 min Scan# 2411  
 Delta R.T. -0.00 min  
 Lab File: BN011587.D  
 Acq: 22 Aug 2020 15:08

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB131113BL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 264   | Resp: | 4525  |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 26.5  | 20.3  | 30.5  |
| 265      | 99.6  | 96.1  | 144.1 |

