

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_N\DATA\BN022718\  
 Data File : BN000189.D  
 Acq On : 27 Feb 2018 14:05  
 Operator : JU/SJ  
 Sample : MDL-S-BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-BL

Quant Time: Feb 27 15:18:25 2018  
 Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN022718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 27 15:07:57 2018  
 Response via : Initial Calibration

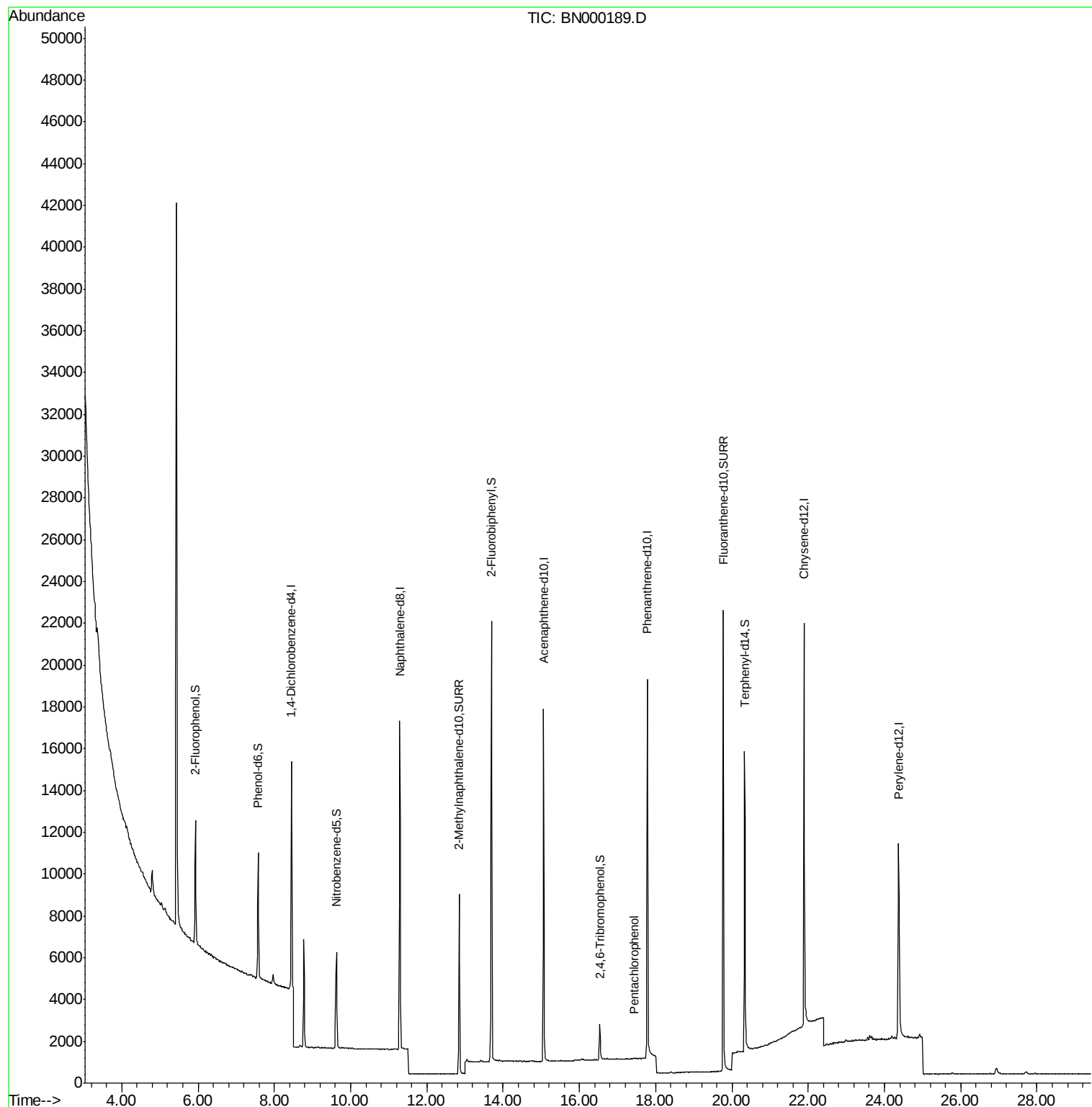
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.45  | 152  | 5903     | 0.40  | ng    | 0.00           |
| 7) Naphthalene-d8           | 11.29 | 136  | 21453    | 0.40  | ng    | 0.00           |
| 13) Acenaphthene-d10        | 15.07 | 164  | 10788    | 0.40  | ng    | 0.00           |
| 19) Phenanthrene-d10        | 17.78 | 188  | 27176    | 0.40  | ng    | 0.00           |
| 27) Chrysene-d12            | 21.90 | 240  | 19406    | 0.40  | ng    | 0.00           |
| 34) Perylene-d12            | 24.37 | 264  | 15022    | 0.40  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 4) 2-Fluorophenol           | 5.93  | 112  | 5456     | 0.44  | ng    | 0.00           |
| 5) Phenol-d6                | 7.58  | 99   | 6554     | 0.41  | ng    | 0.00           |
| 8) Nitrobenzene-d5          | 9.63  | 82   | 4278     | 0.34  | ng    | 0.00           |
| 11) 2-Methylnaphthalene-d10 | 12.85 | 152  | 11580    | 0.36  | ng    | 0.00           |
| 14) 2,4,6-Tribromophenol    | 16.53 | 330  | 1064     | 0.31  | ng    | 0.00           |
| 15) 2-Fluorobiphenyl        | 13.69 | 172  | 17883    | 0.35  | ng    | 0.00           |
| 25) Fluoranthene-d10        | 19.77 | 212  | 24497    | 0.34  | ng    | 0.00           |
| 29) Terphenyl-d14           | 20.33 | 244  | 13753    | 0.40  | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 22) Pentachlorophenol       | 17.44 | 266  | 43       | 0.102 | ng    | Qvalue<br># 63 |

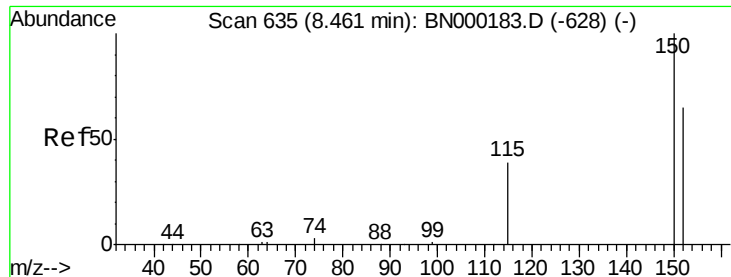
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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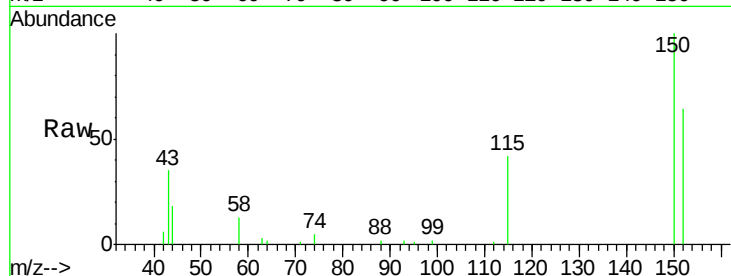


#1

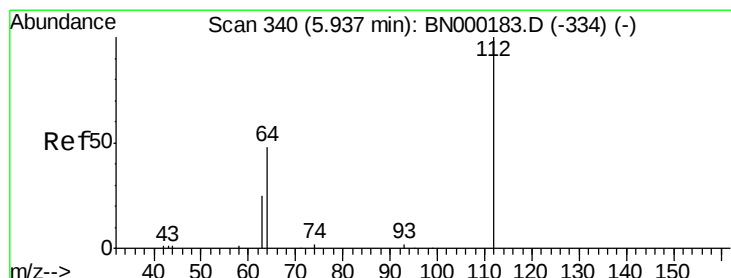
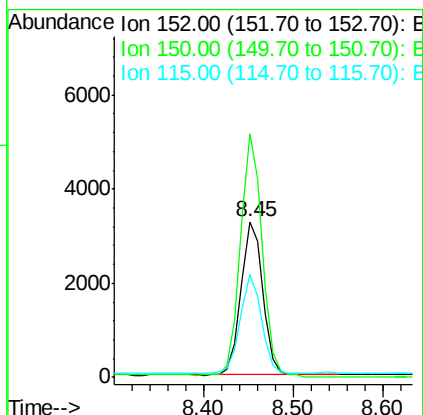
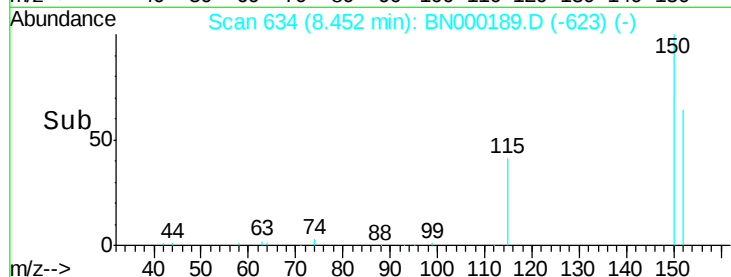
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.45 min Scan# 634  
Delta R.T. -0.01 min  
Lab File: BN000189.D  
Acq: 27 Feb 2018 14:05

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-S-BL

Tgt Ion:152 Resp: 5903  
Ion Ratio Lower Upper  
152 100  
150 156.3 117.2 175.8  
115 65.7 57.0 85.6



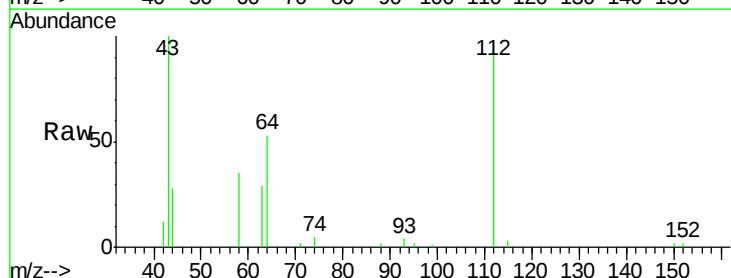
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



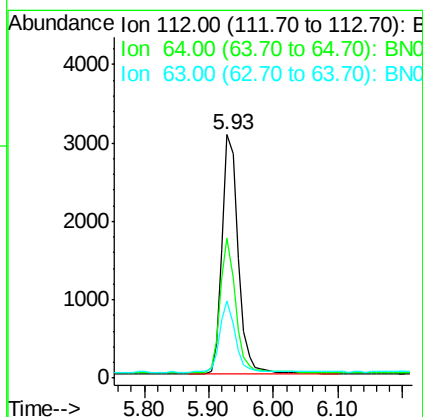
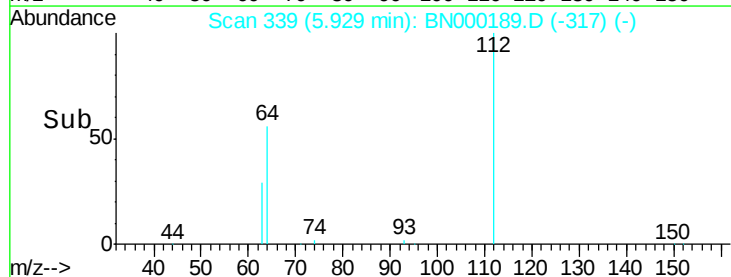
#4

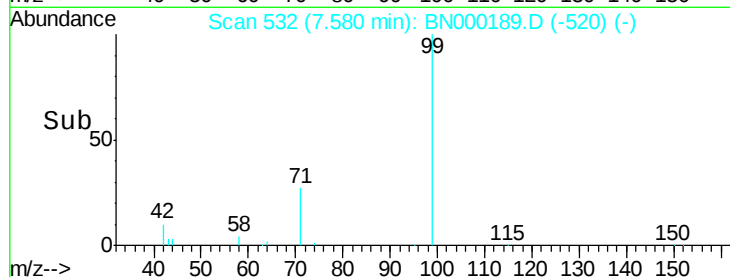
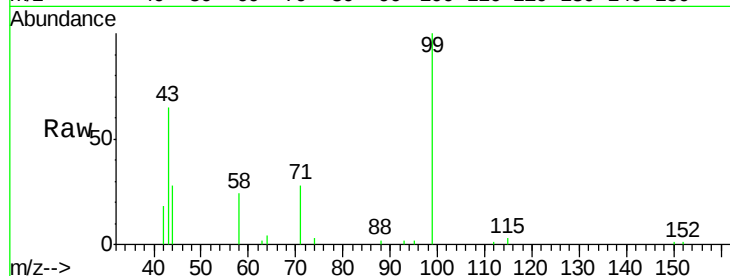
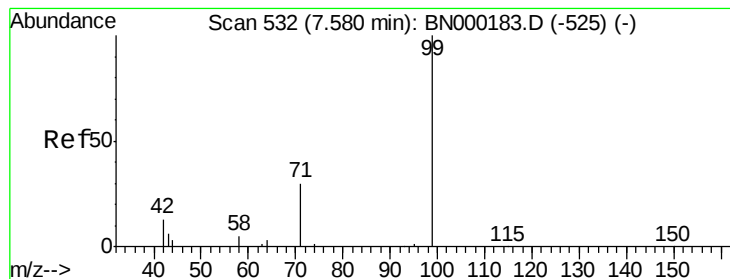
2-Fluorophenol  
Concen: 0.438 ng  
RT: 5.93 min Scan# 339  
Delta R.T. -0.01 min  
Lab File: BN000189.D  
Acq: 27 Feb 2018 14:05

Tgt Ion:112 Resp: 5456  
Ion Ratio Lower Upper  
112 100  
64 53.9 60.1 90.1#  
63 27.8 116.8 175.2#



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: 0.414 ng

RT: 7.58 min Scan# 532

Delta R.T. -0.00 min

Lab File: BN000189.D

Acq: 27 Feb 2018 14:05

Instrument :

BNA\_N

ClientSampleId :

MDL-S-BL

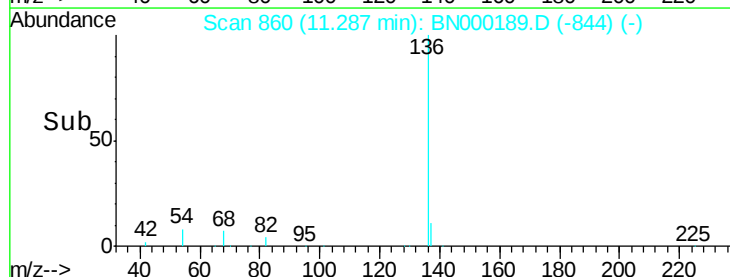
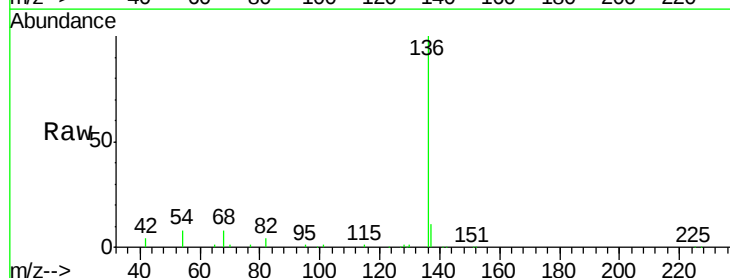
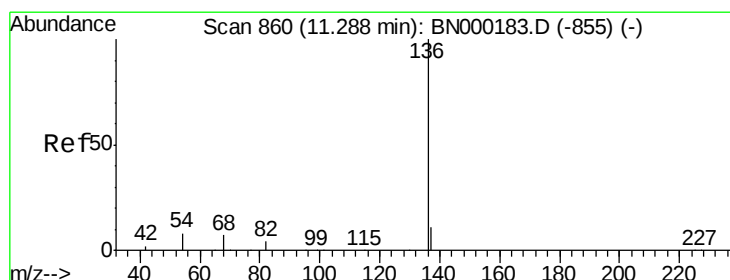
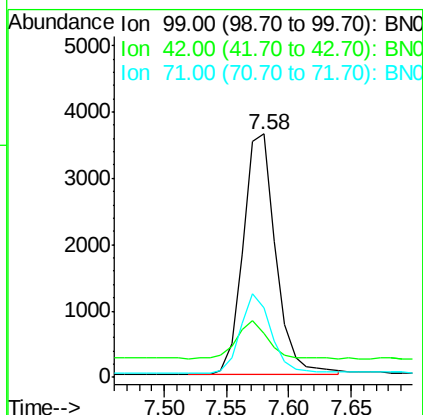
Tgt Ion: 99 Resp: 6554

Ion Ratio Lower Upper

99 100

42 15.0 20.2 30.2#

71 31.4 28.4 42.6



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.29 min Scan# 860

Delta R.T. -0.00 min

Lab File: BN000189.D

Acq: 27 Feb 2018 14:05

Tgt Ion: 136 Resp: 21453

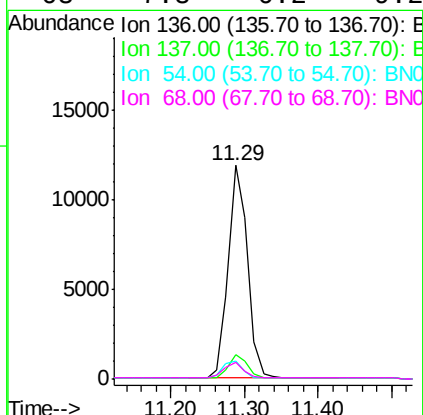
Ion Ratio Lower Upper

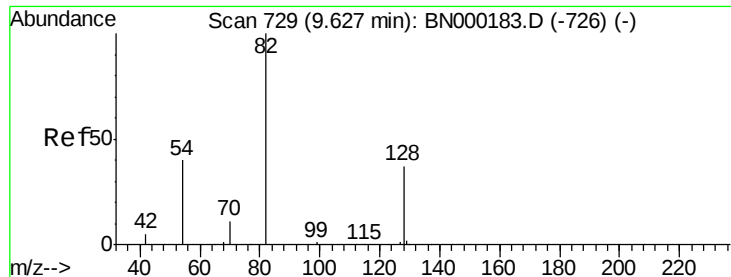
136 100

137 11.3 9.5 14.3

54 8.2 29.1 43.7#

68 7.8 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.336 ng

RT: 9.63 min Scan# 729

Delta R.T. -0.00 min

Lab File: BN000189.D

Acq: 27 Feb 2018 14:05

Instrument :

BNA\_N

ClientSampleId :

MDL-S-BL

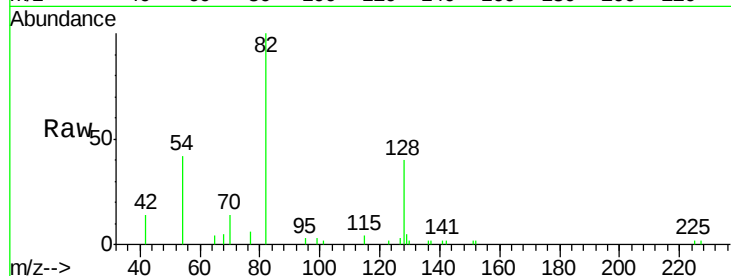
Tgt Ion: 82 Resp: 4278

Ion Ratio Lower Upper

82 100

128 40.2 150.0 225.0#

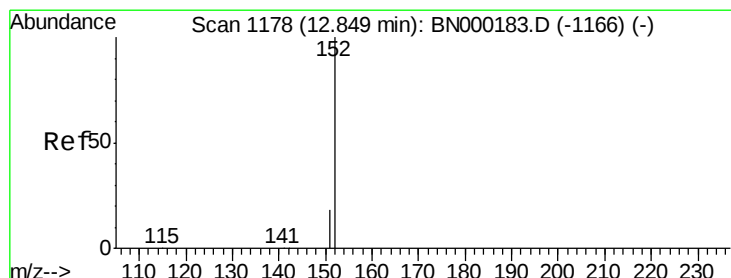
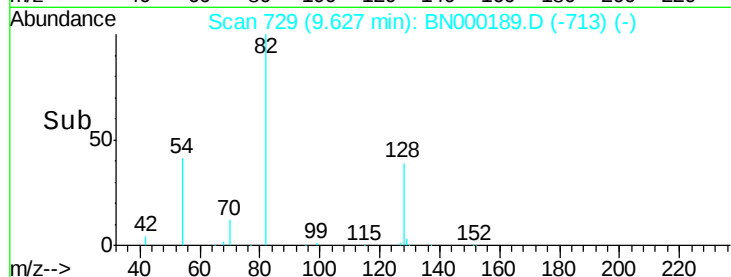
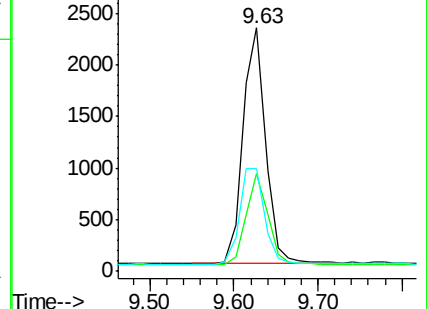
54 42.4 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#11

2-Methylnaphthalene-d10

Concen: 0.359 ng

RT: 12.85 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BN000189.D

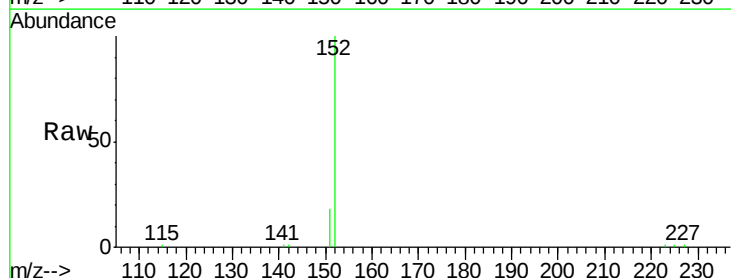
Acq: 27 Feb 2018 14:05

Tgt Ion: 152 Resp: 11580

Ion Ratio Lower Upper

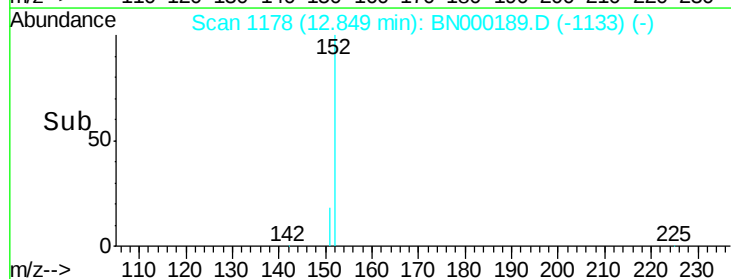
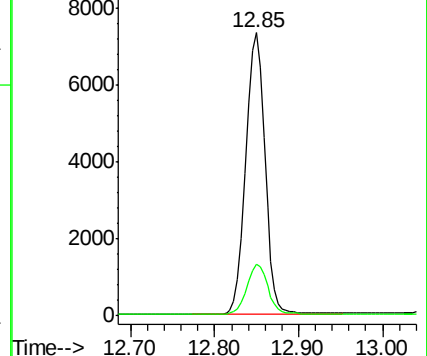
152 100

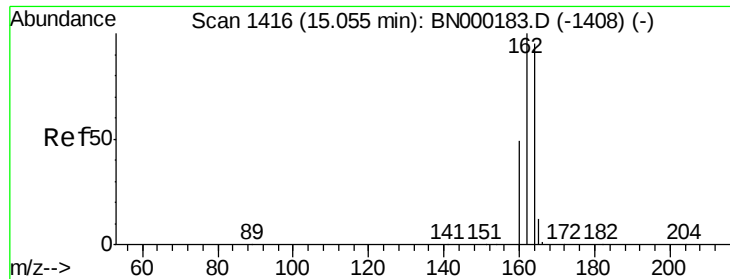
151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BNC

Ion 151.00 (150.70 to 151.70): BNC

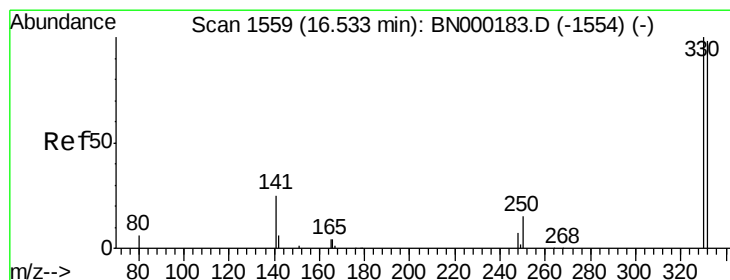
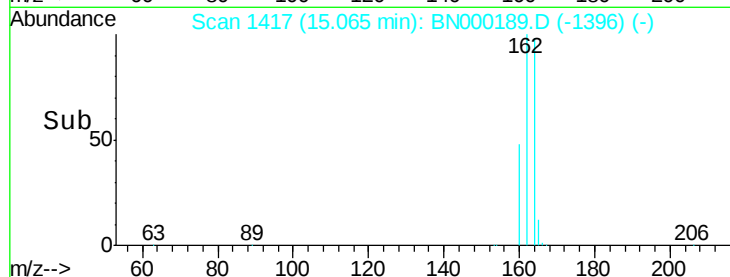
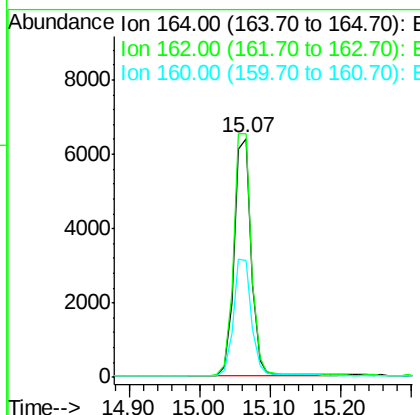
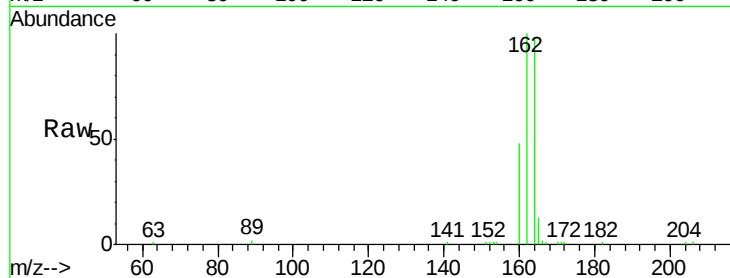




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 15.07 min Scan# 1417  
 Delta R.T. 0.01 min  
 Lab File: BN000189.D  
 Acq: 27 Feb 2018 14:05

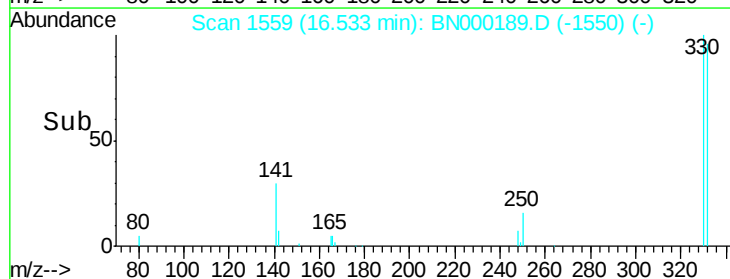
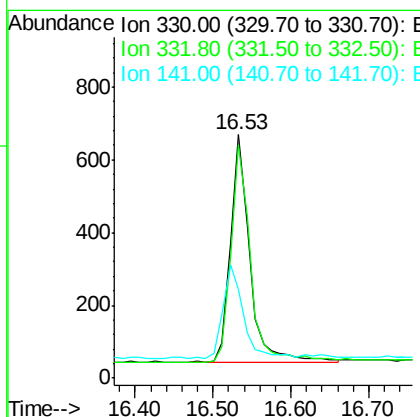
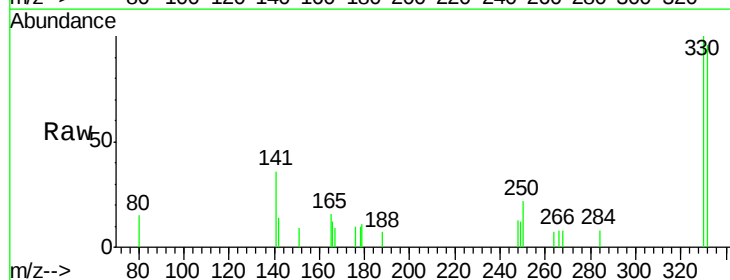
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-S-BL

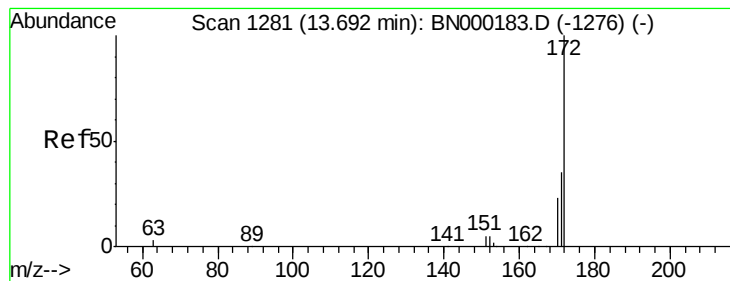
Tgt Ion:164 Resp: 10788  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 83.1 124.7  
 160 49.2 37.1 55.7



#14  
 2,4,6-Tribromophenol  
 Concen: 0.311 ng  
 RT: 16.53 min Scan# 1559  
 Delta R.T. 0.00 min  
 Lab File: BN000189.D  
 Acq: 27 Feb 2018 14:05

Tgt Ion:330 Resp: 1064  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 152.7 229.1#  
 141 42.9 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.350 ng

RT: 13.69 min Scan# 1281

Delta R.T. -0.00 min

Lab File: BN000189.D

Acq: 27 Feb 2018 14:05

Instrument :

BNA\_N

ClientSampleId :

MDL-S-BL

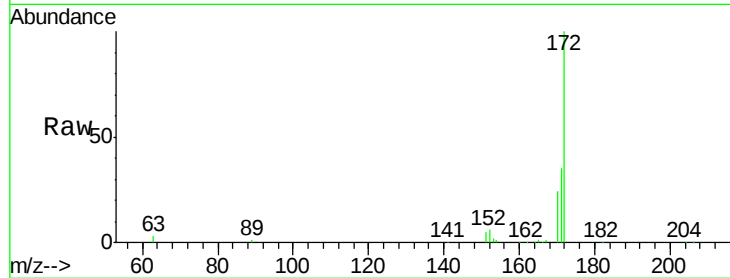
Tgt Ion:172 Resp: 17883

Ion Ratio Lower Upper

172 100

171 35.0 29.9 44.9

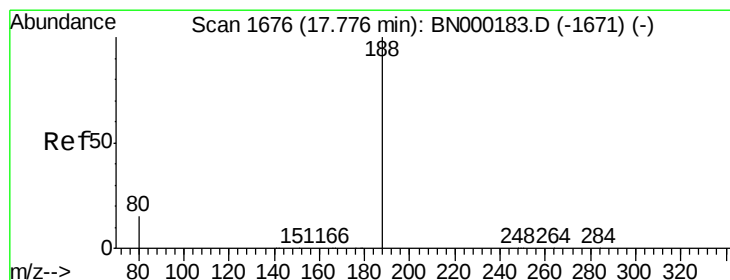
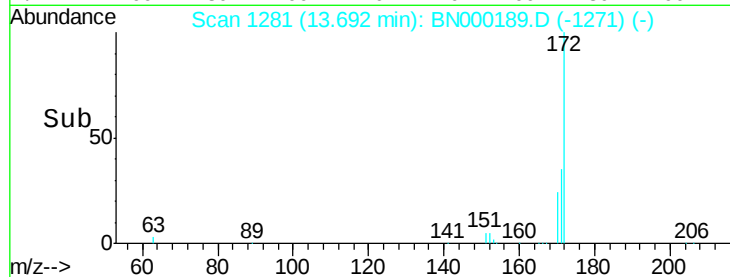
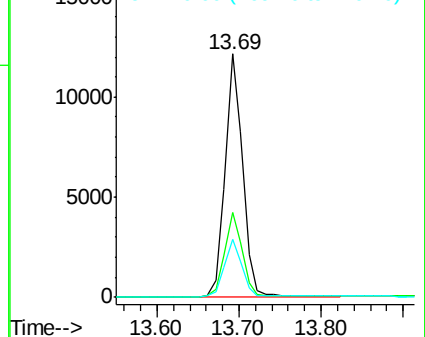
170 23.9 21.8 32.8



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: 17.78 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BN000189.D

Acq: 27 Feb 2018 14:05

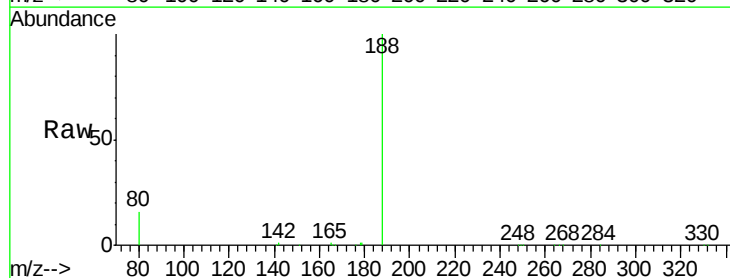
Tgt Ion:188 Resp: 27176

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

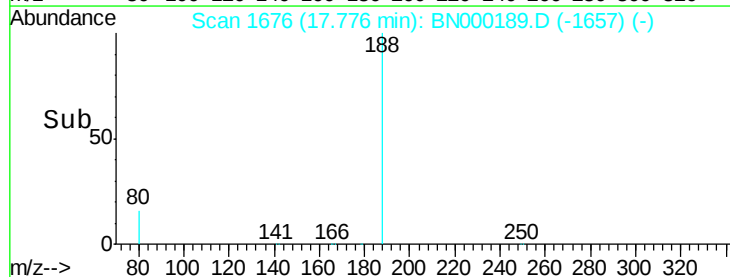
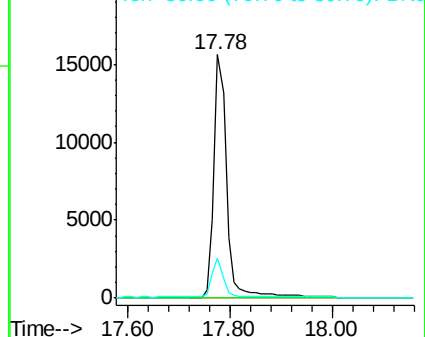
80 16.4 3.6 5.4#

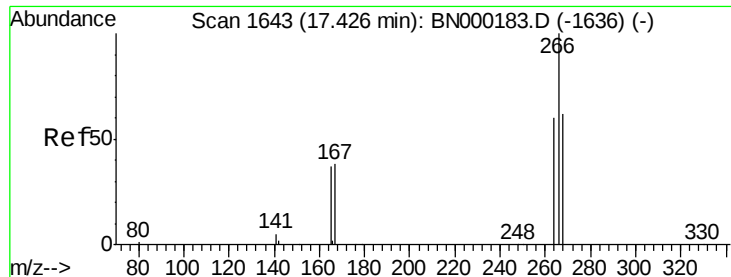


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

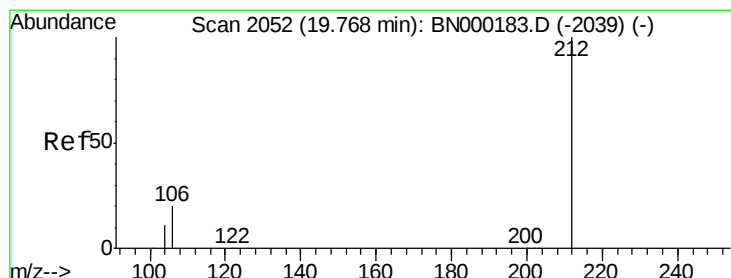
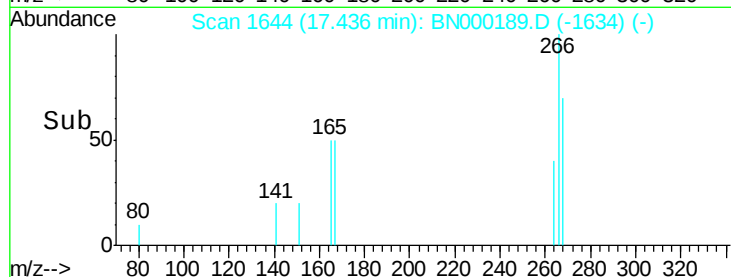
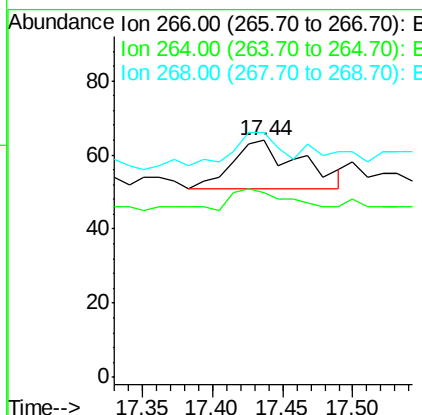
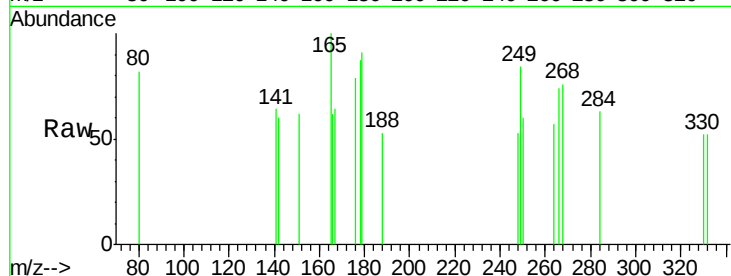




#22  
 Pentachlorophenol  
 Concen: 0.102 ng  
 RT: 17.44 min Scan# 1644  
 Delta R.T. 0.01 min  
 Lab File: BN000189.D  
 Acq: 27 Feb 2018 14:05

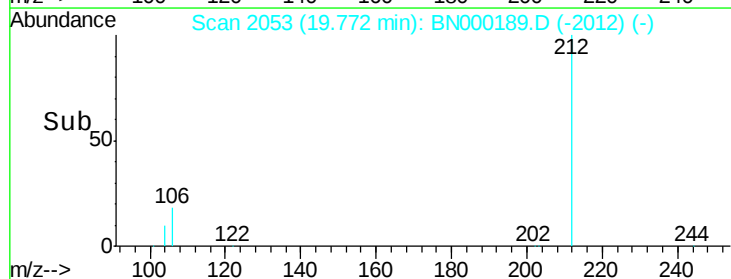
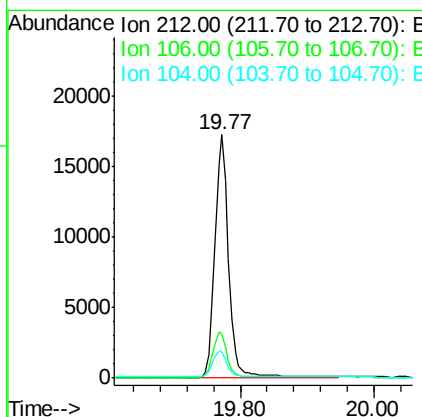
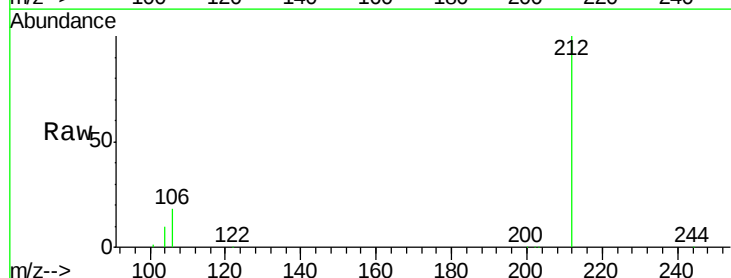
Instrument :  
 BNA\_N  
 ClientSampled :  
 MDL-S-BL

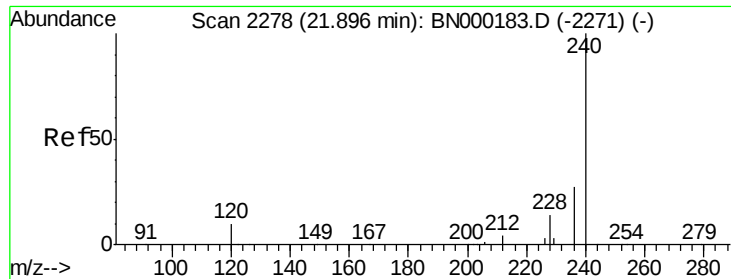
Tgt Ion:266 Resp: 43  
 Ion Ratio Lower Upper  
 266 100  
 264 78.1 48.0 72.0#  
 268 103.1 52.0 78.0#



#25  
 Fluoranthene-d10  
 Concen: 0.337 ng  
 RT: 19.77 min Scan# 2053  
 Delta R.T. 0.00 min  
 Lab File: BN000189.D  
 Acq: 27 Feb 2018 14:05

Tgt Ion:212 Resp: 24497  
 Ion Ratio Lower Upper  
 212 100  
 106 19.3 2.8 4.2#  
 104 10.7 1.6 2.4#





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.90 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BN000189.D

Acq: 27 Feb 2018 14:05

Instrument :

BNA\_N

ClientSampleId :

MDL-S-BL

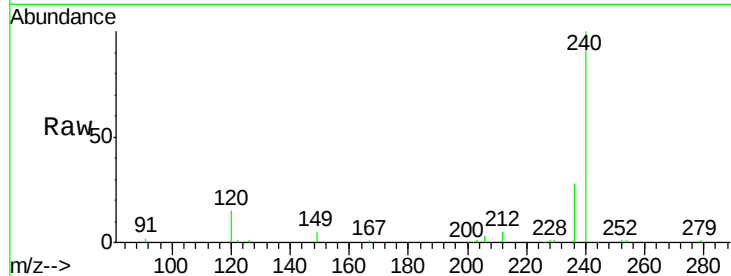
Tgt Ion:240 Resp: 19406

Ion Ratio Lower Upper

240 100

120 15.0 5.5 8.3#

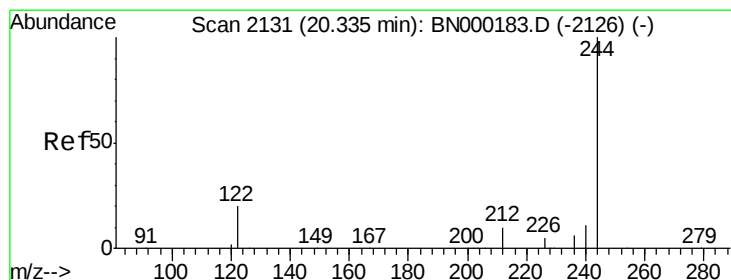
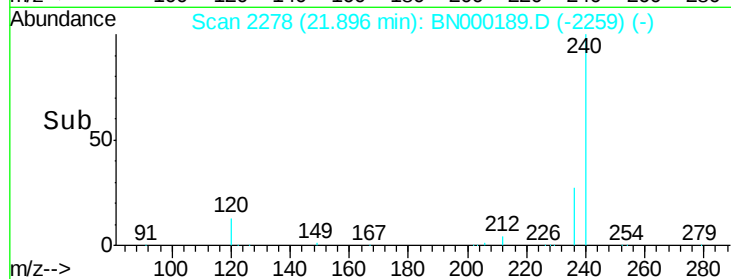
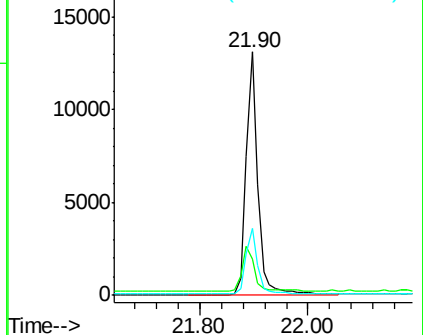
236 27.5 20.7 31.1



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: 0.403 ng

RT: 20.33 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BN000189.D

Acq: 27 Feb 2018 14:05

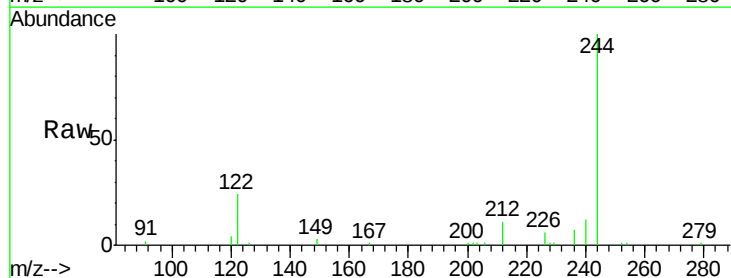
Tgt Ion:244 Resp: 13753

Ion Ratio Lower Upper

244 100

212 11.3 25.4 38.0#

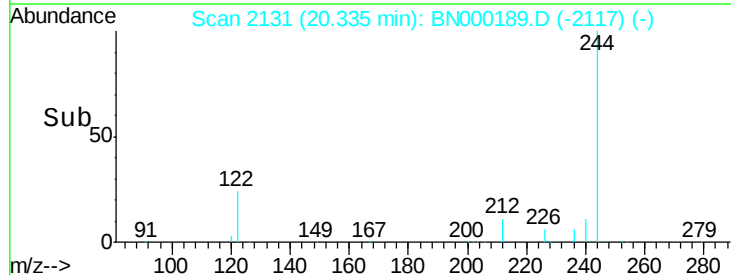
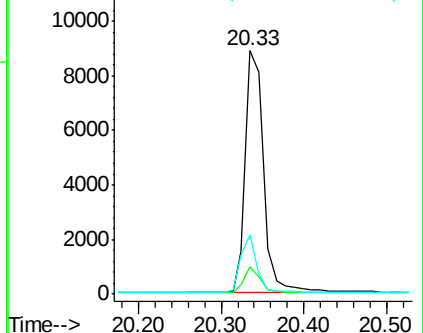
122 24.5 8.1 12.1#

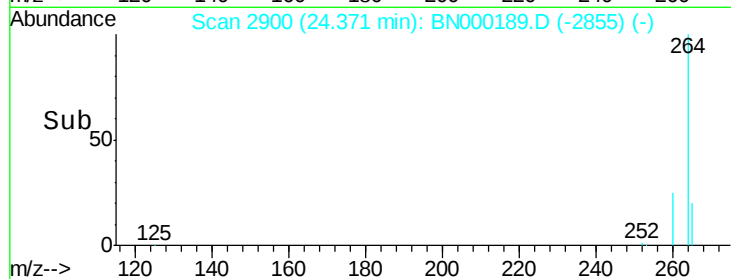
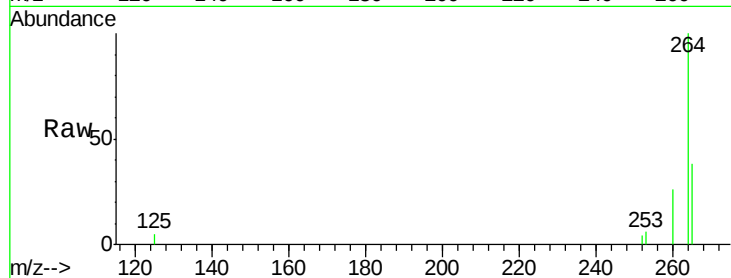
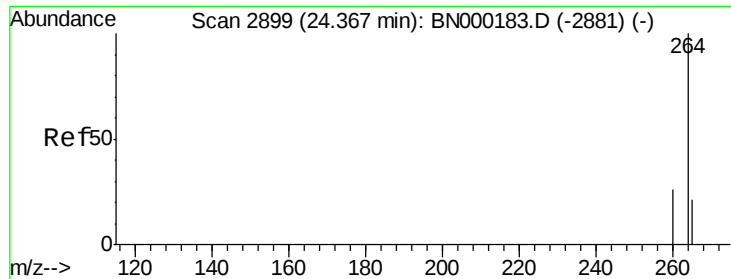


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.37 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BN000189.D

Acq: 27 Feb 2018 14:05

Instrument :

BNA\_N

ClientSampleId :

MDL-S-BL

Tgt Ion: 264 Resp: 15022

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

265 37.6 22.8 34.2

