

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\  
 Data File : BN006678.D  
 Acq On : 02 Jul 2019 02:51  
 Operator : HP/JU  
 Sample : K3473-03DL 5X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-3DL

Quant Time: Jul 02 14:30:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 28 13:47:56 2019  
 Response via : Initial Calibration

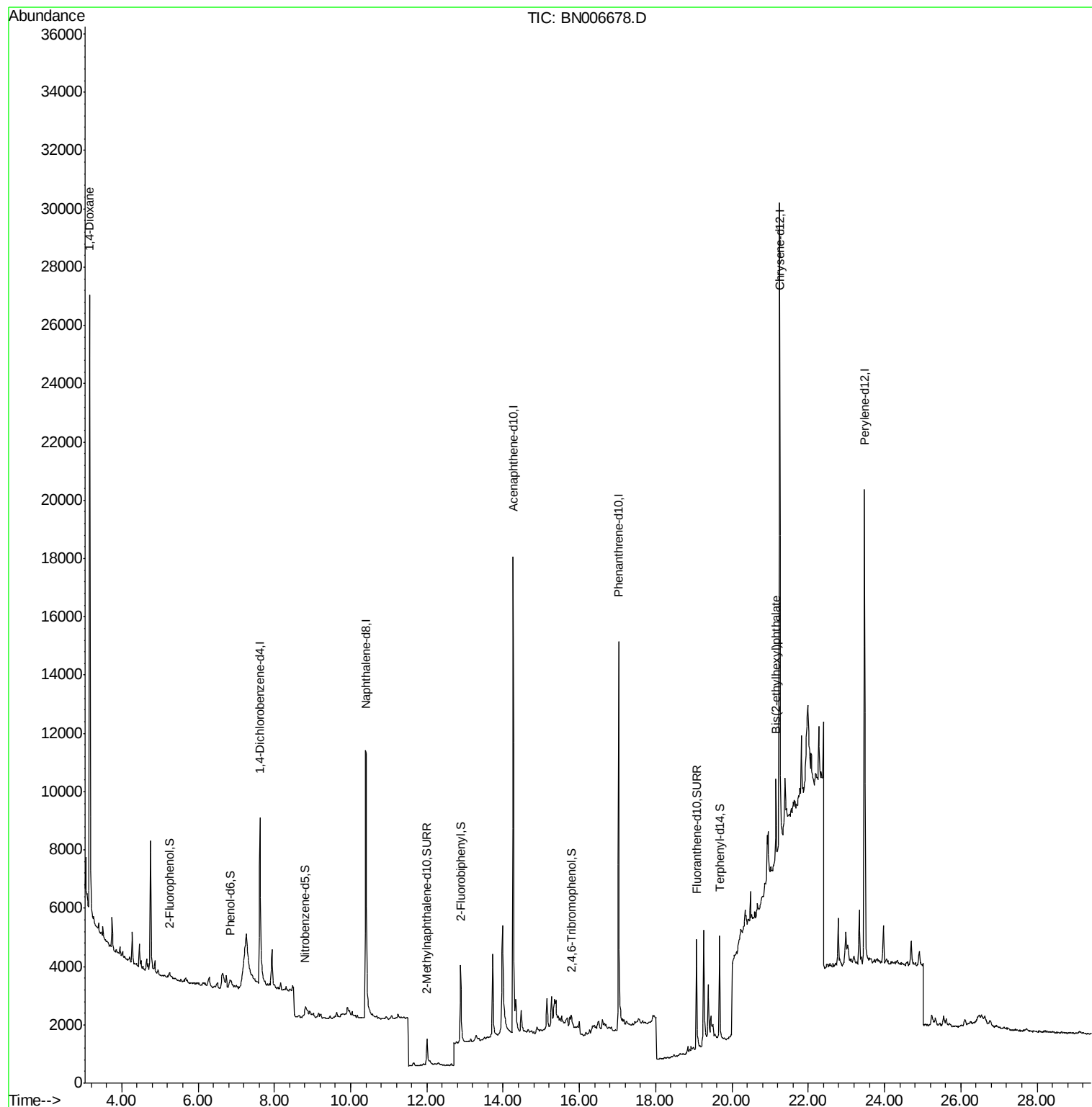
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.62  | 152  | 4085     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.40 | 136  | 16950    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.27 | 164  | 9582     | 0.40  | ng    | -0.01    |
| 19) Phenanthrene-d10           | 17.03 | 188  | 19427    | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.25 | 240  | 18344    | 0.40  | ng    | -0.02    |
| 34) Perylene-d12               | 23.48 | 264  | 20537    | 0.40  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.25  | 112  | 397      | 0.04  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.84  | 99   | 284      | 0.02  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.81  | 82   | 790      | 0.07  | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10    | 12.00 | 152  | 1753     | 0.07  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.79 | 330  | 379      | 0.08  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 12.88 | 172  | 3162     | 0.09  | ng    | -0.01    |
| 25) Fluoranthene-d10           | 19.07 | 212  | 4225     | 0.07  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.68 | 244  | 3920     | 0.10  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.17  | 88   | 13721    | 2.427 | ng    | 99       |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149  | 3128     | 0.104 | ng    | # 88     |

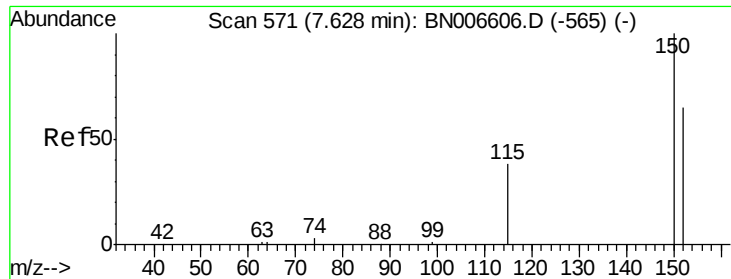
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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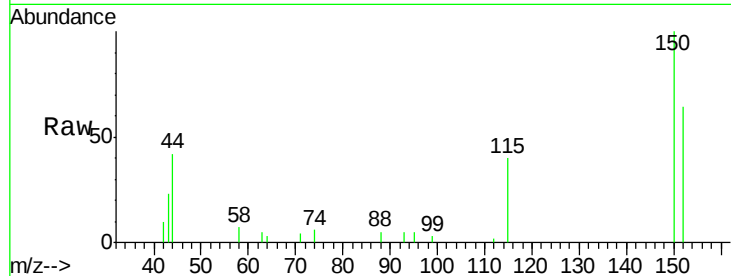


#1

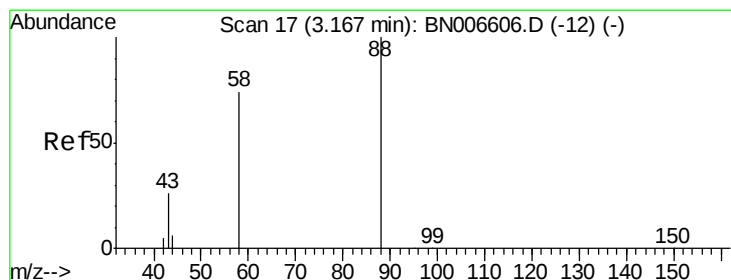
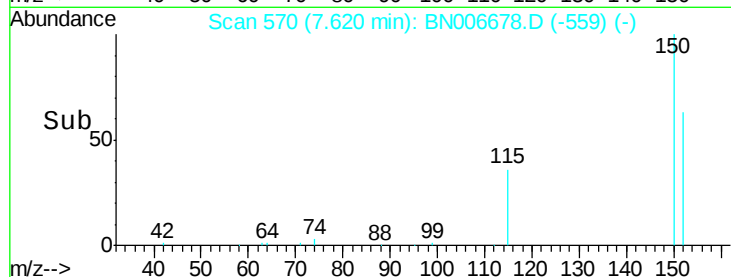
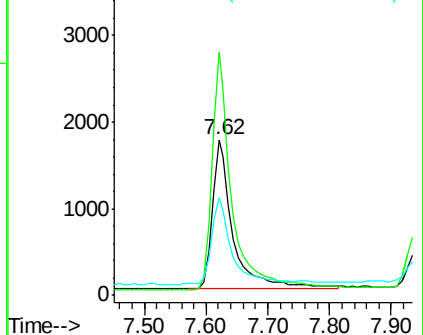
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.62 min Scan# 570  
Delta R.T. -0.01 min  
Lab File: BN006678.D  
Acq: 02 Jul 2019 02:51

Instrument :  
BNA\_N  
ClientSampleId :  
MW-3DL

Tot Ion:152 Resp: 4085  
Ion Ratio Lower Upper  
152 100  
150 156.3 122.2 183.2  
115 62.8 50.0 75.0



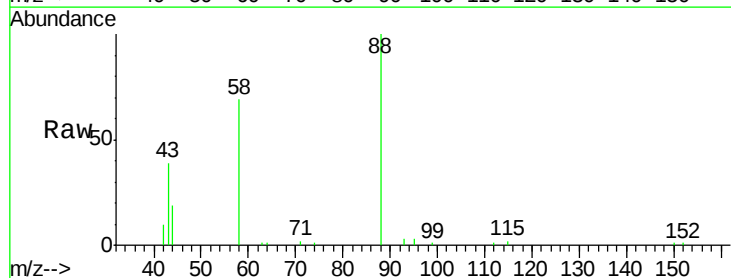
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



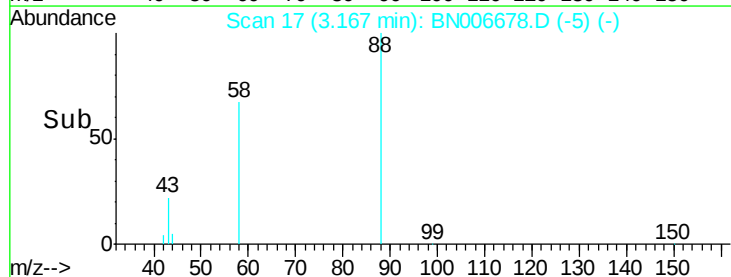
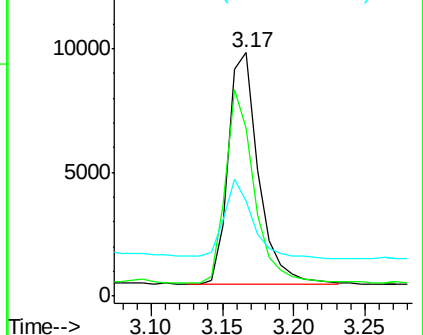
#2

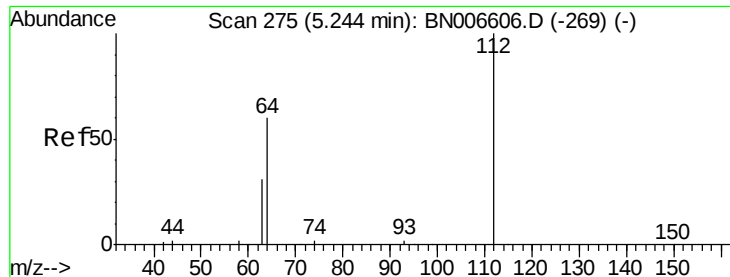
1,4-Dioxane  
Concen: 2.427 ng  
RT: 3.17 min Scan# 17  
Delta R.T. 0.00 min  
Lab File: BN006678.D  
Acq: 02 Jul 2019 02:51

Tgt Ion: 88 Resp: 13721  
Ion Ratio Lower Upper  
88 100  
58 79.0 62.5 93.7  
43 32.6 25.4 38.0



Abundance Ion 88.00 (87.70 to 88.70): BNC  
Ion 58.00 (57.70 to 58.70): BNC  
Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.040 ng

RT: 5.25 min Scan# 276

Delta R.T. 0.01 min

Lab File: BN006678.D

Acq: 02 Jul 2019 02:51

Instrument :

BNA\_N

ClientSampleId :

MW-3DL

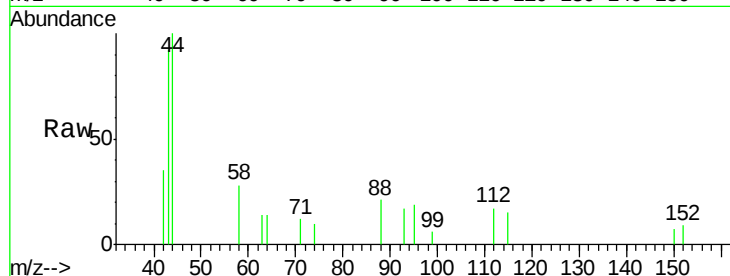
Tot Ion:112 Resp: 397

Ion Ratio Lower Upper

112 100

64 54.2 48.9 73.3

63 30.2 24.3 36.5



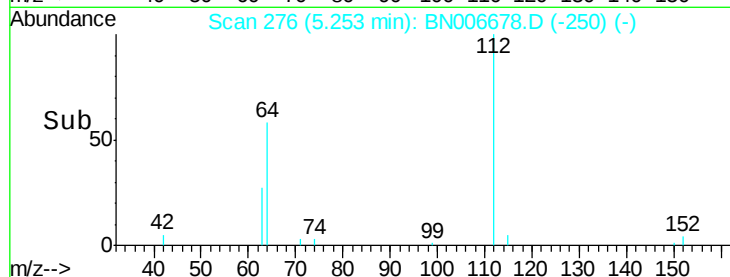
Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

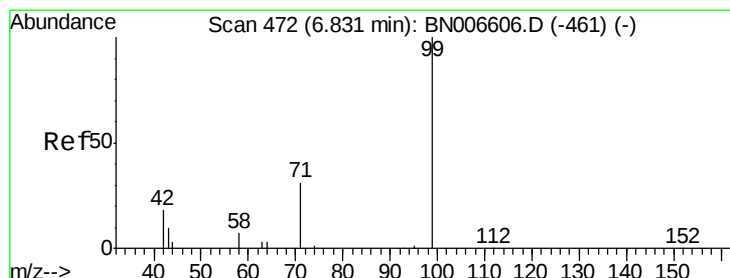
Ion 63.00 (62.70 to 63.70): BNC

5.25

Time-->



Time-->



#5

Phenol-d6

Concen: 0.021 ng

RT: 6.84 min Scan# 473

Delta R.T. 0.01 min

Lab File: BN006678.D

Acq: 02 Jul 2019 02:51

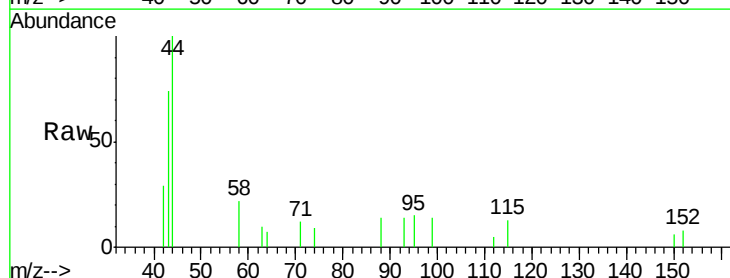
Tgt Ion: 99 Resp: 284

Ion Ratio Lower Upper

99 100

42 58.1 16.4 24.6#

71 31.0 26.6 40.0



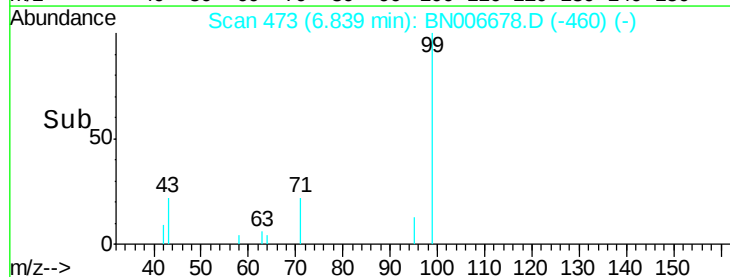
Abundance Ion 99.00 (98.70 to 99.70): BNC

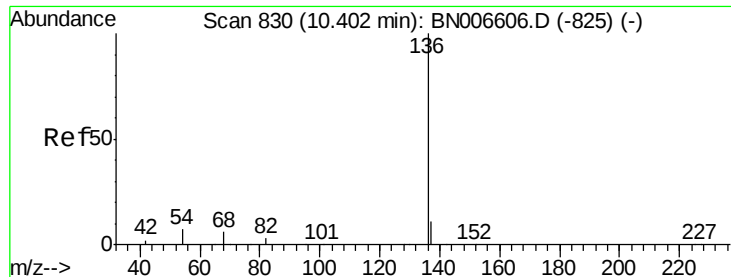
Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC

6.84

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.40 min Scan# 830

Delta R.T. 0.00 min

Lab File: BN006678.D

Acq: 02 Jul 2019 02:51

Instrument :

BNA\_N

ClientSampled :

MW-3DL

Tot Ion:136 Resp: 16950

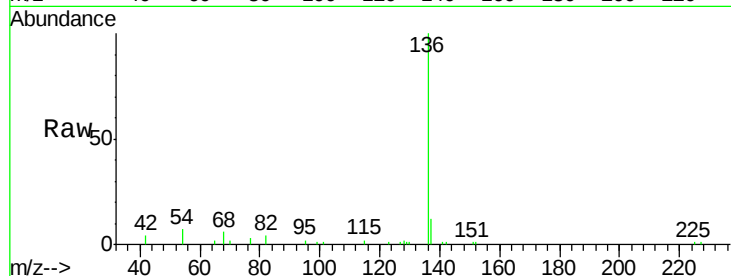
Ion Ratio Lower Upper

136 100

137 11.7 9.3 13.9

54 7.5 6.7 10.1

68 6.2 5.3 7.9

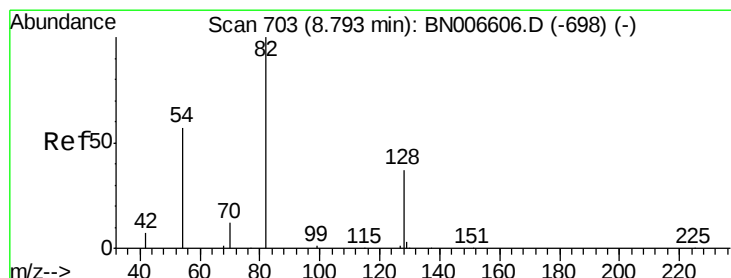
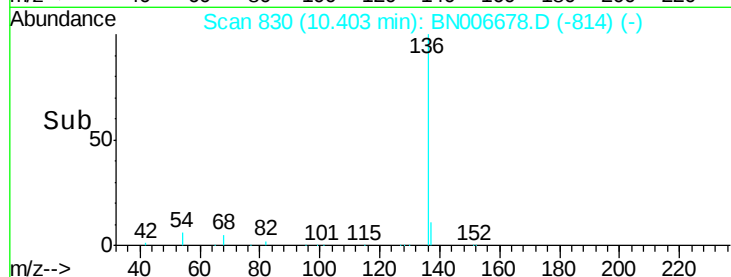
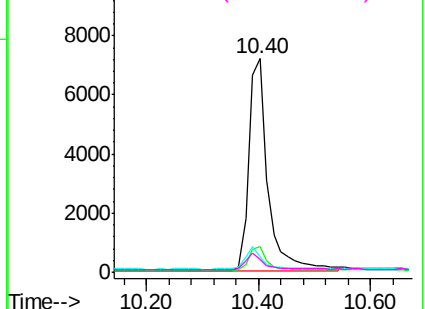


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.069 ng

RT: 8.81 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN006678.D

Acq: 02 Jul 2019 02:51

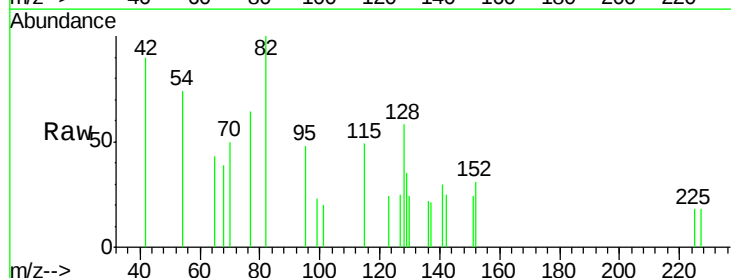
Tgt Ion: 82 Resp: 790

Ion Ratio Lower Upper

82 100

128 57.7 32.6 49.0#

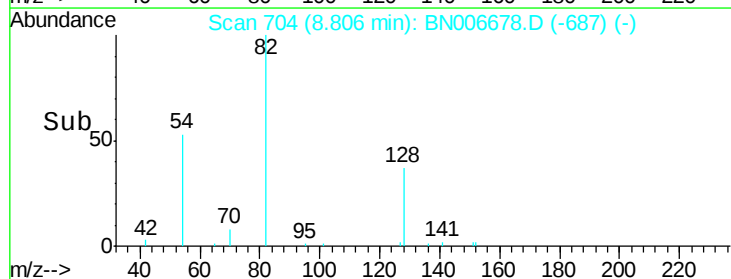
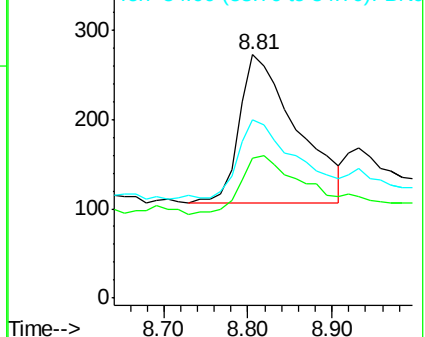
54 73.5 48.2 72.4#

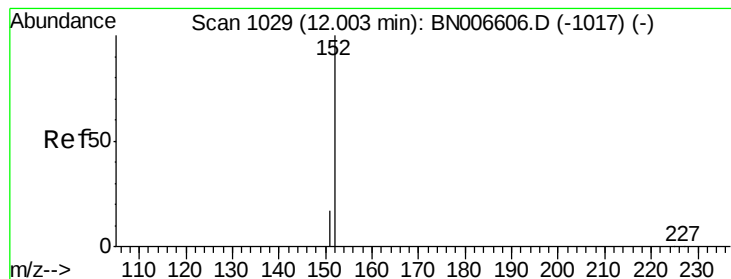


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.066 ng

RT: 12.00 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BN006678.D

Acq: 02 Jul 2019 02:51

Instrument :

BNA\_N

ClientSampleId :

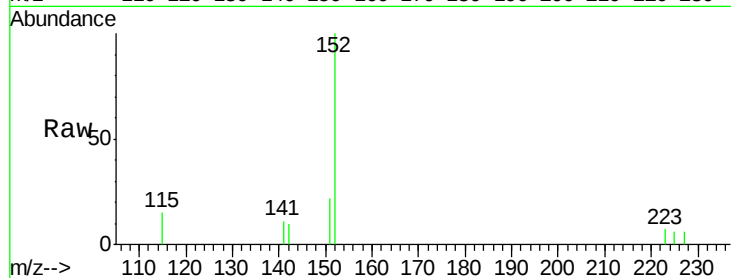
MW-3DL

Tot Ion:152 Resp: 1753

Ion Ratio Lower Upper

152 100

151 20.3 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.00

800

600

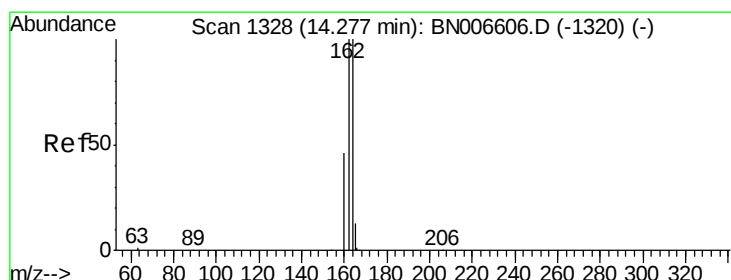
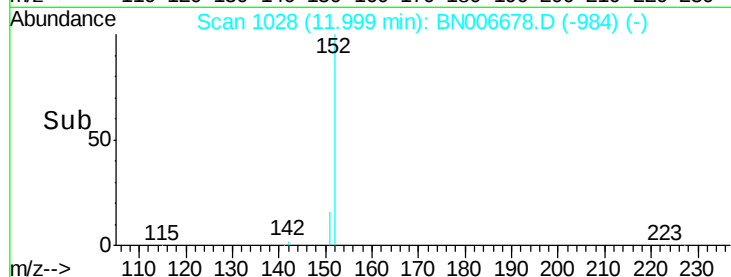
400

200

0

Time-->

11.90 12.00 12.10



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.27 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN006678.D

Acq: 02 Jul 2019 02:51

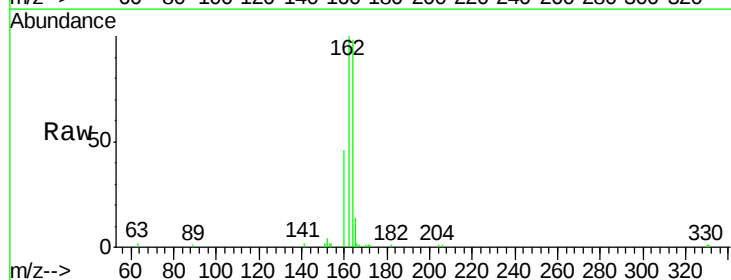
Tgt Ion:164 Resp: 9582

Ion Ratio Lower Upper

164 100

162 101.9 80.0 120.0

160 46.9 37.0 55.4



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

14.27

8000

6000

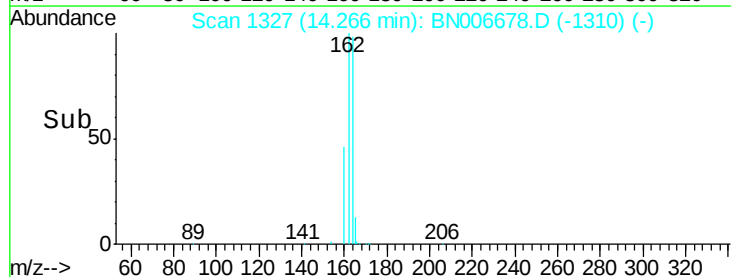
4000

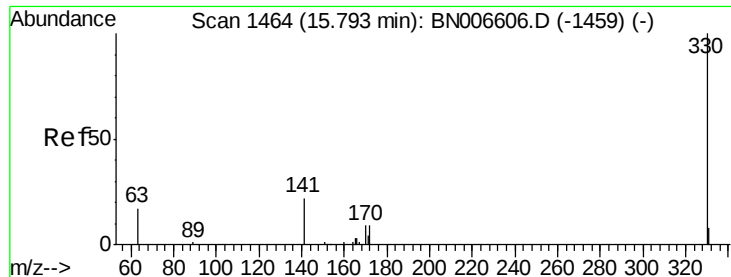
2000

0

Time-->

14.20 14.40

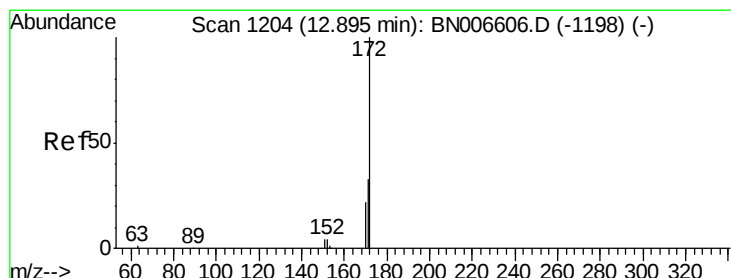
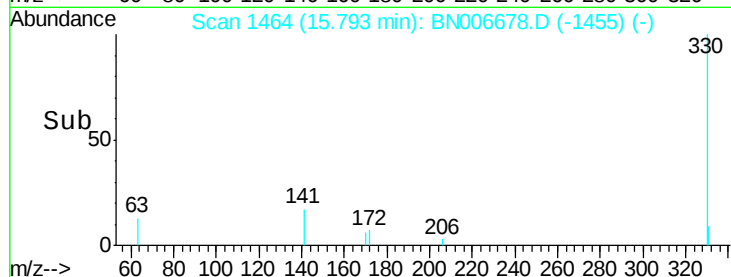
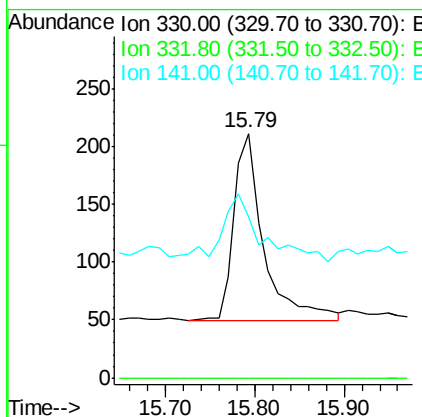
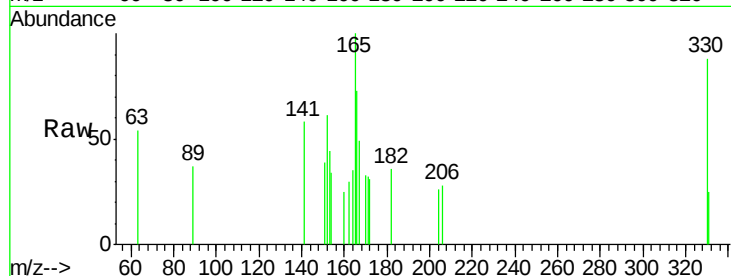




#14  
 2,4,6-Tribromophenol  
 Concen: 0.084 ng  
 RT: 15.79 min Scan# 1464  
 Delta R.T. 0.00 min  
 Lab File: BN006678.D  
 Acq: 02 Jul 2019 02:51

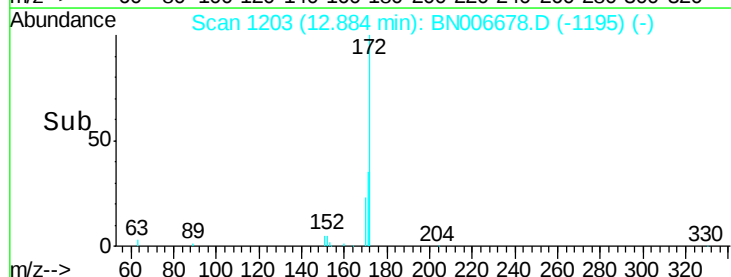
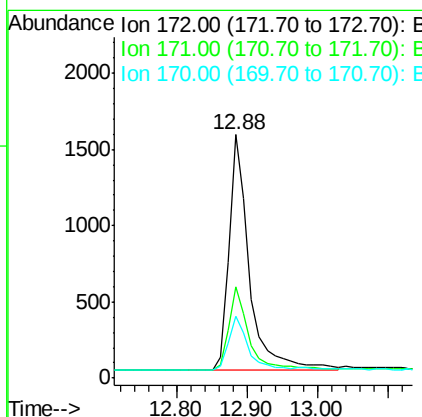
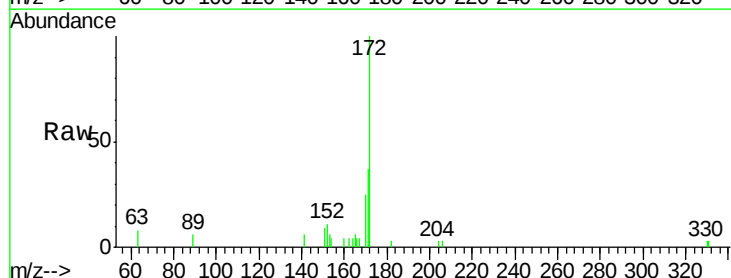
Instrument :  
 BNA\_N  
 ClientSampled :  
 MW-3DL

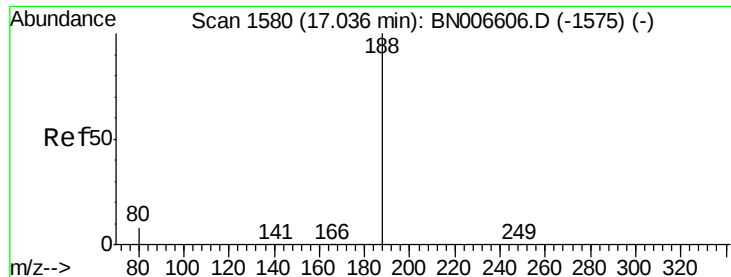
Tot Ion:330 Resp: 379  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 48.8 26.5 39.7#



#15  
 2-Fluorobiphenyl  
 Concen: 0.089 ng  
 RT: 12.88 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: BN006678.D  
 Acq: 02 Jul 2019 02:51

Tgt Ion:172 Resp: 3162  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 27.0 40.4  
 170 25.3 17.7 26.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.03 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN006678.D

Acq: 02 Jul 2019 02:51

Instrument :

BNA\_N

ClientSampleId :

MW-3DL

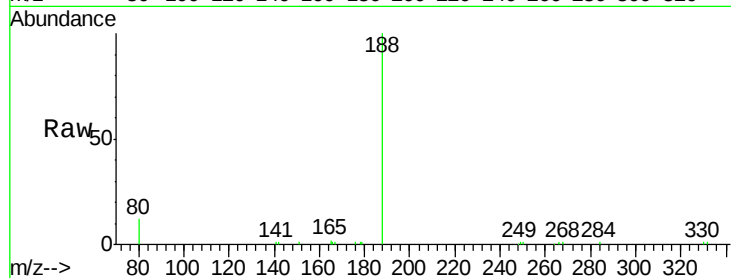
Tot Ion:188 Resp: 19427

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.3 7.1 10.7#



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

15000

10000

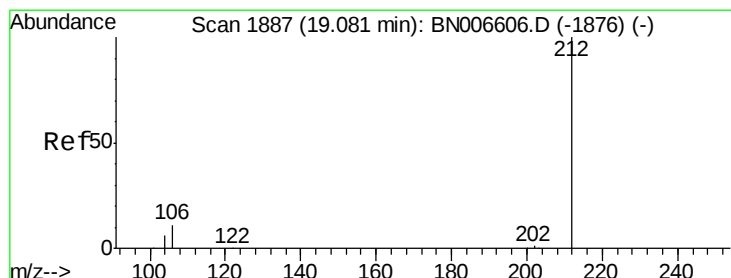
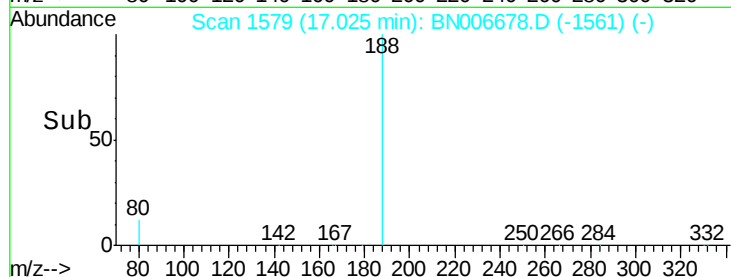
5000

0

17.03

17.00 17.10

Time-->



#25

Fluoranthene-d10

Concen: 0.074 ng

RT: 19.07 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN006678.D

Acq: 02 Jul 2019 02:51

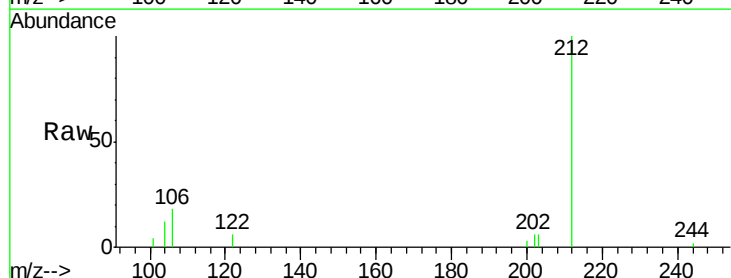
Tgt Ion:212 Resp: 4225

Ion Ratio Lower Upper

212 100

106 15.9 10.6 15.8#

104 9.1 5.8 8.6#



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

4000

3000

2000

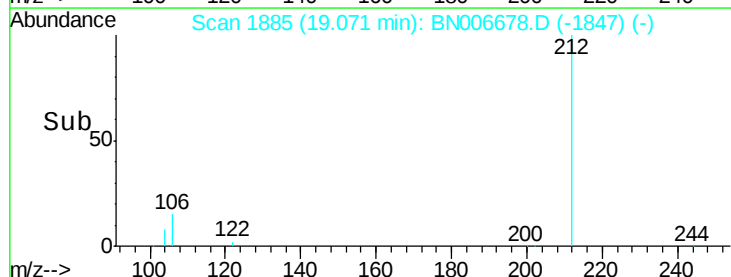
1000

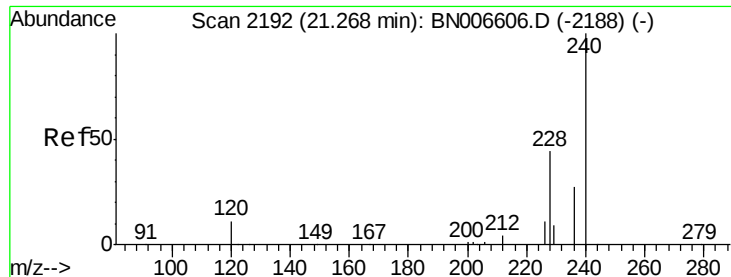
0

19.07

19.00 19.10

Time-->

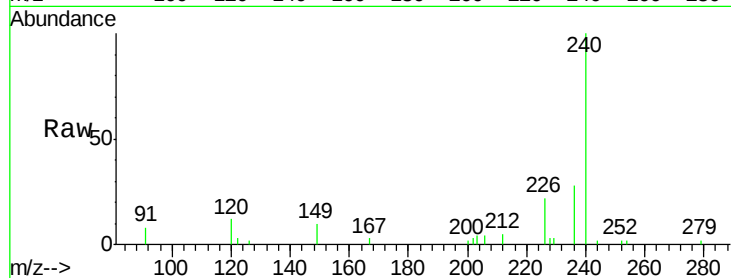




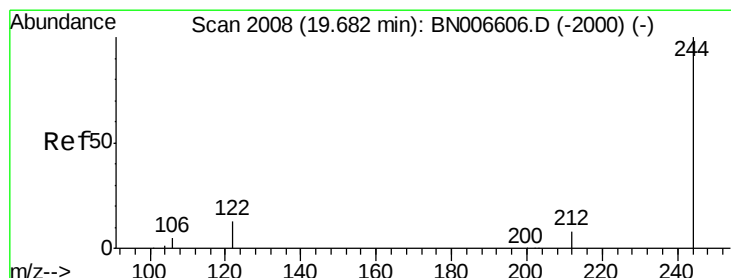
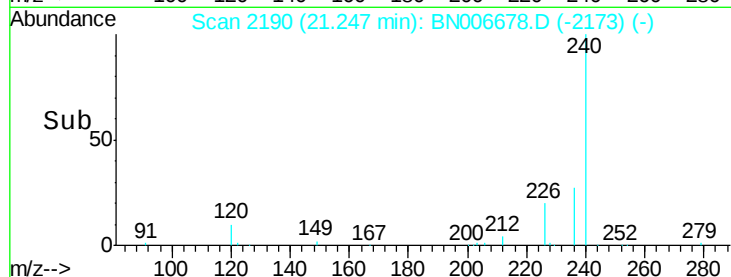
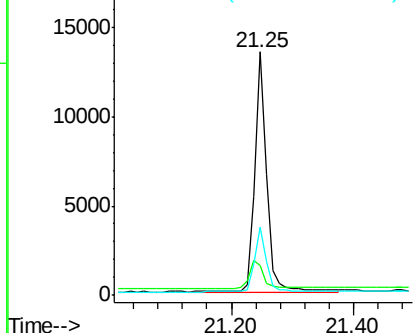
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.25 min Scan# 2190  
 Delta R.T. -0.02 min  
 Lab File: BN006678.D  
 Acq: 02 Jul 2019 02:51

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-3DL

Tot Ion:240 Resp: 18344  
 Ion Ratio Lower Upper  
 240 100  
 120 12.4 9.9 14.9  
 236 28.1 22.2 33.4

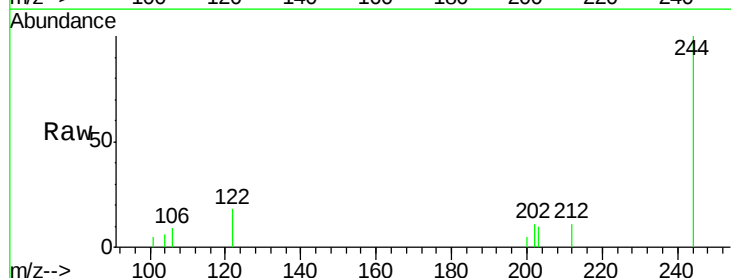


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

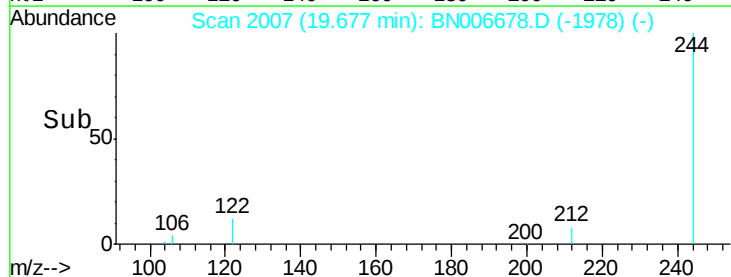
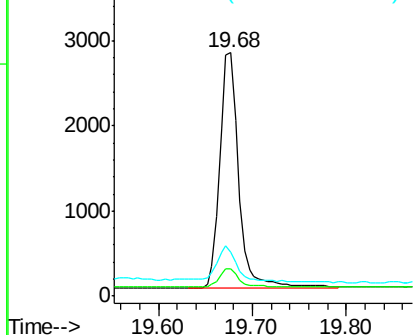


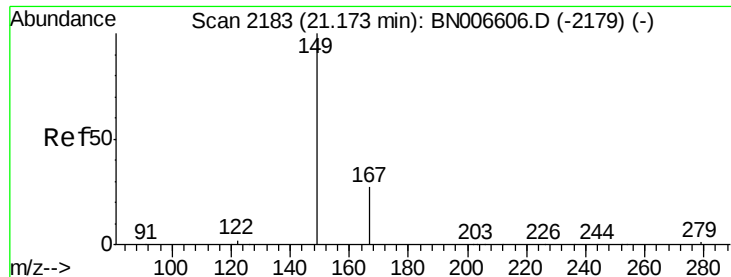
#29  
 Terphenyl-d14  
 Concen: 0.102 ng  
 RT: 19.68 min Scan# 2007  
 Delta R.T. -0.00 min  
 Lab File: BN006678.D  
 Acq: 02 Jul 2019 02:51

Tgt Ion:244 Resp: 3920  
 Ion Ratio Lower Upper  
 244 100  
 212 11.2 6.7 10.1#  
 122 18.0 11.0 16.6#



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

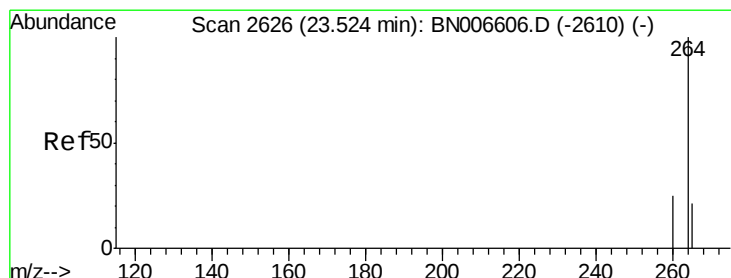
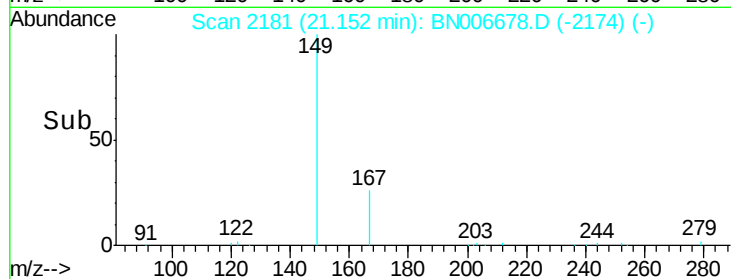
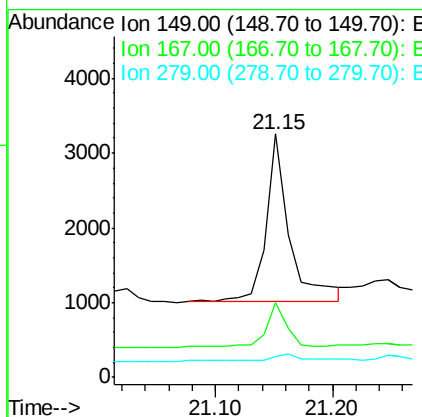
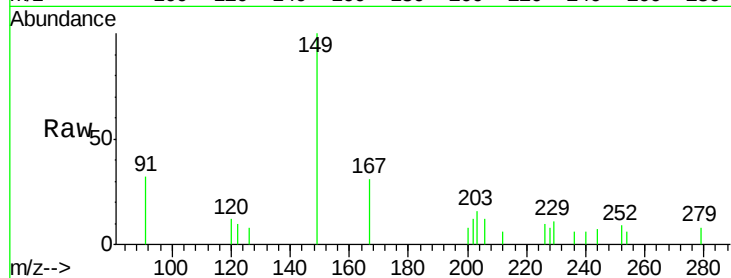




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.104 ng  
 RT: 21.15 min Scan# 2181  
 Delta R.T. -0.02 min  
 Lab File: BN006678.D  
 Acq: 02 Jul 2019 02:51

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-3DL

Tot Ion:149 Resp: 3128  
 Ion Ratio Lower Upper  
 149 100  
 167 21.6 22.9 34.3#  
 279 5.1 3.3 4.9#



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.48 min Scan# 2612  
 Delta R.T. -0.05 min  
 Lab File: BN006678.D  
 Acq: 02 Jul 2019 02:51

Tgt Ion:264 Resp: 20537  
 Ion Ratio Lower Upper  
 264 100  
 260 26.6 20.2 30.2  
 265 34.4 23.3 34.9

