

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032720\  
 Data File : BN010353.D  
 Acq On : 27 Mar 2020 15:57  
 Operator : CG/JU  
 Sample : L2023-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 KY038PS027-200323

Quant Time: Mar 27 17:22:04 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

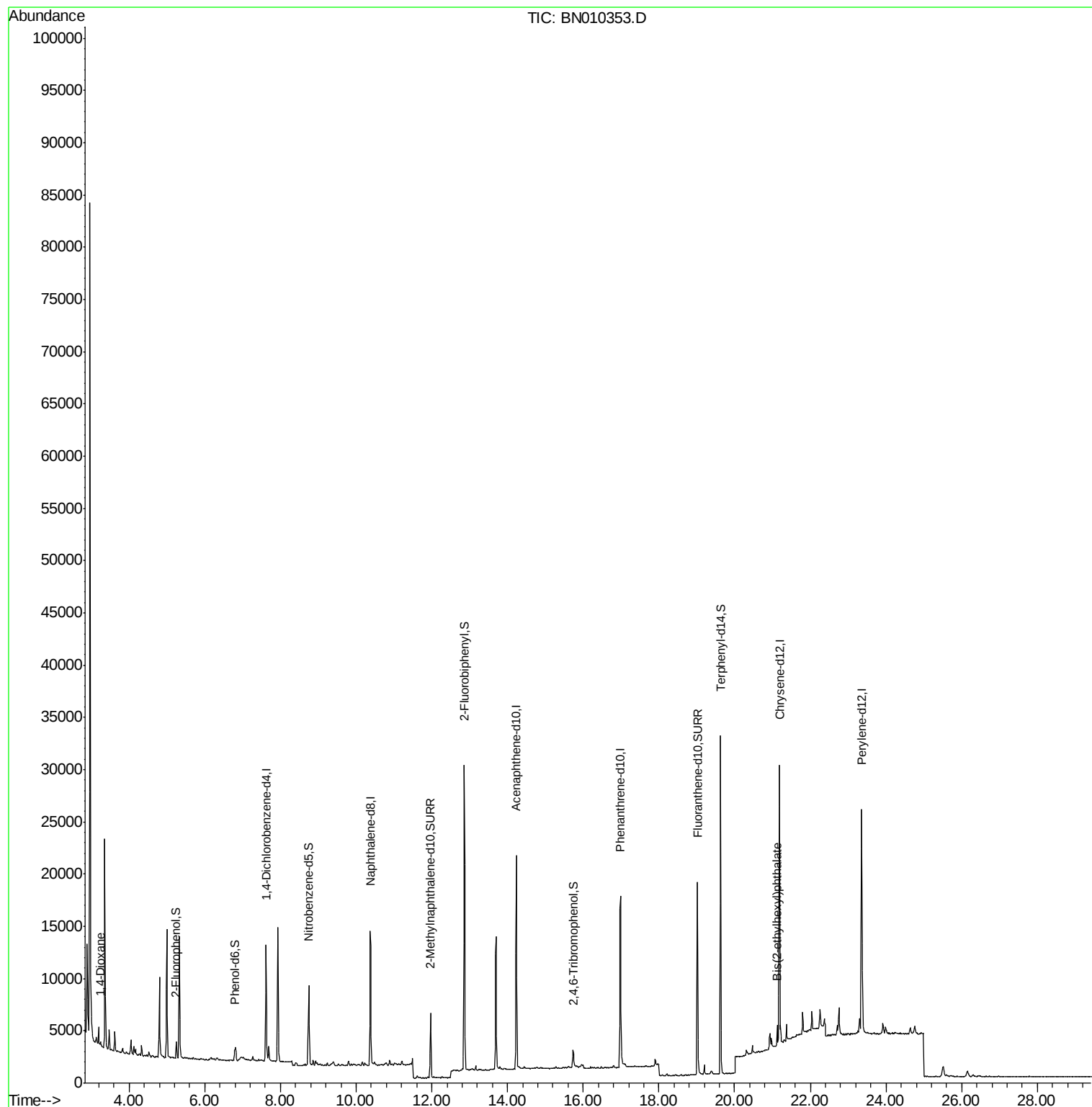
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.61  | 152  | 5467     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.37 | 136  | 19052    | 0.40  | ng    | -0.01       |
| 13) Acenaphthene-d10           | 14.24 | 164  | 11057    | 0.40  | ng    | -0.01       |
| 19) Phenanthrene-d10           | 16.99 | 188  | 26252    | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 21.19 | 240  | 27076    | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 23.35 | 264  | 28509    | 0.40  | ng    | -0.01       |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.25  | 112  | 1457     | 0.13  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.80  | 99   | 1077     | 0.08  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.74  | 82   | 6637     | 0.54  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 11.97 | 152  | 8134     | 0.27  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 15.73 | 330  | 1370     | 0.32  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 12.85 | 172  | 25968    | 0.61  | ng    | -0.01       |
| 25) Fluoranthene-d10           | 19.02 | 212  | 22127    | 0.28  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.63 | 244  | 31480    | 0.54  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.25  | 88   | 245      | 0.048 | ng    | Qvalue # 49 |
| 32) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 1879     | 0.065 | ng    | 98          |

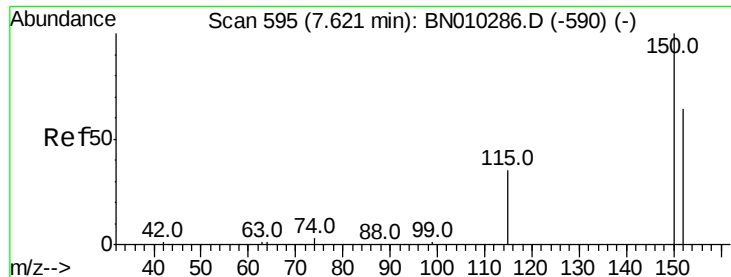
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032720\  
Data File : BN010353.D  
Acq On : 27 Mar 2020 15:57  
Operator : CG/JU  
Sample : L2023-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
KY038PS027-200323

Quant Time: Mar 27 17:22:04 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



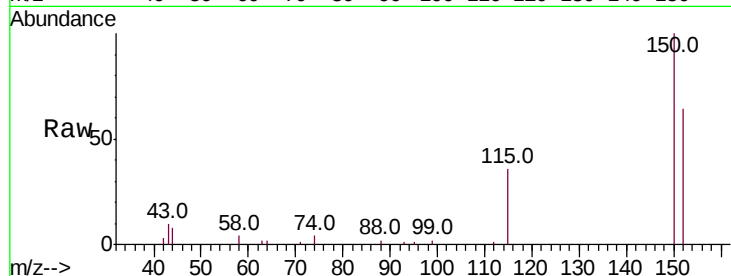


#1

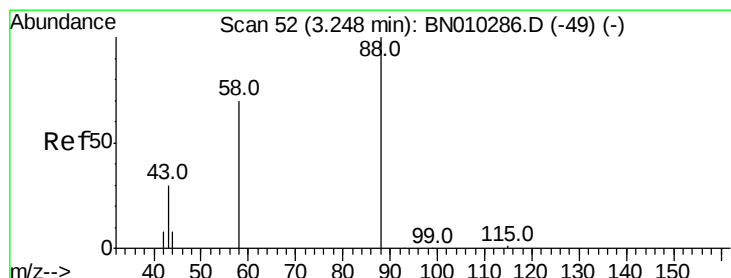
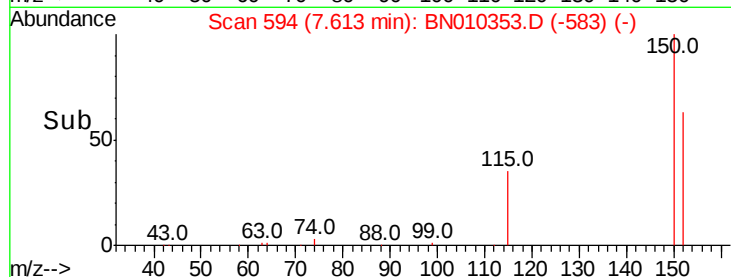
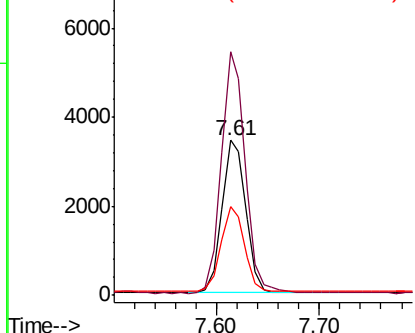
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.61 min Scan# 594  
 Delta R.T. -0.01 min  
 Lab File: BN010353.D  
 Acq: 27 Mar 2020 15:57

Instrument :  
 BNA\_N  
 ClientSampleId :  
 KY038PS027-200323

Tot Ion:152 Resp: 5467  
 Ion Ratio Lower Upper  
 152 100  
 150 157.0 123.1 184.7  
 115 57.1 45.2 67.8



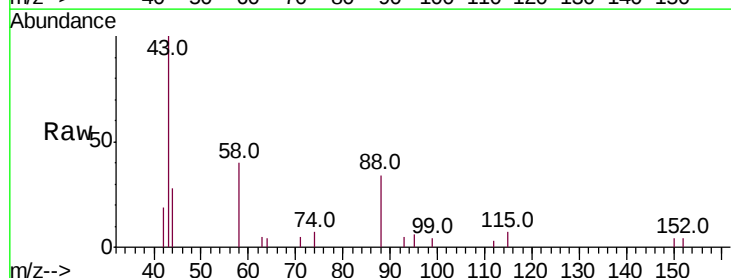
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



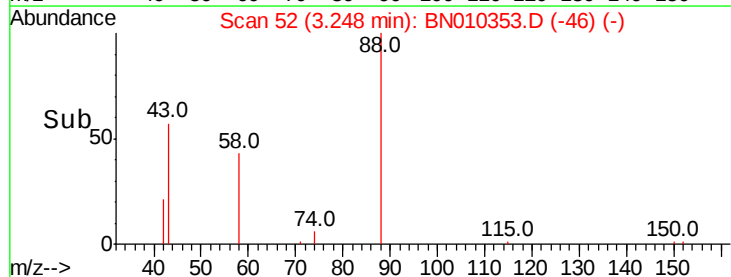
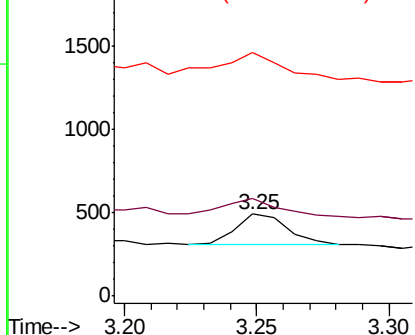
#2

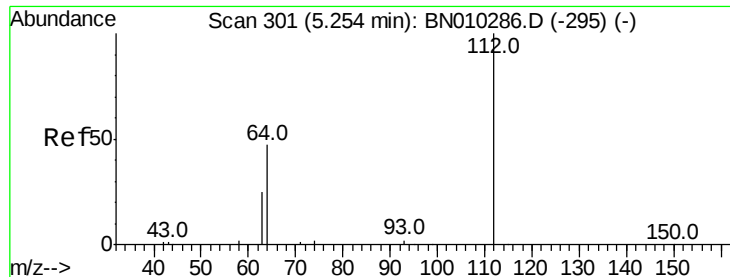
1,4-Dioxane  
 Concen: 0.048 ng  
 RT: 3.25 min Scan# 52  
 Delta R.T. 0.00 min  
 Lab File: BN010353.D  
 Acq: 27 Mar 2020 15:57

Tgt Ion: 88 Resp: 245  
 Ion Ratio Lower Upper  
 88 100  
 58 59.6 51.7 77.5  
 43 109.4 21.2 31.8#



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: 0.135 ng

RT: 5.25 min Scan# 301

Delta R.T. 0.00 min

Lab File: BN010353.D

Acq: 27 Mar 2020 15:57

Instrument :

BNA\_N

ClientSampleId :

KY038PS027-200323

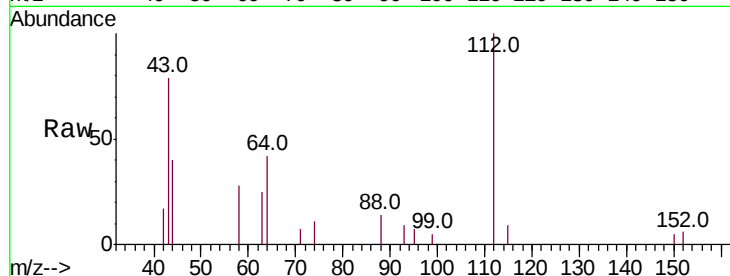
Tot Ion:112 Resp: 1457

Ion Ratio Lower Upper

112 100

64 45.2 41.4 62.2

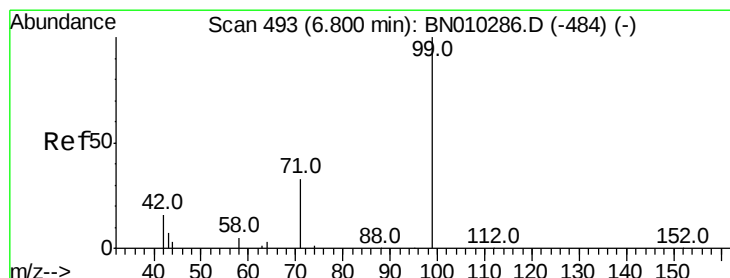
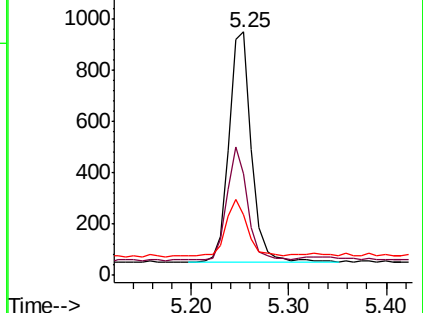
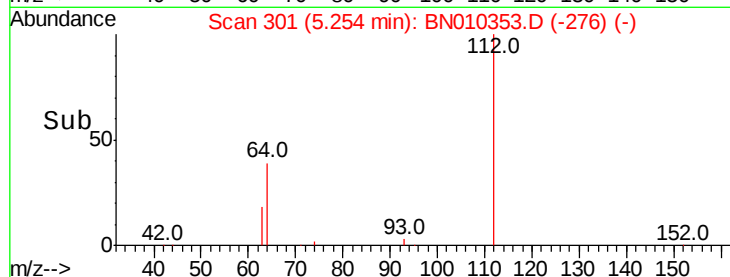
63 24.6 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 0.080 ng

RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010353.D

Acq: 27 Mar 2020 15:57

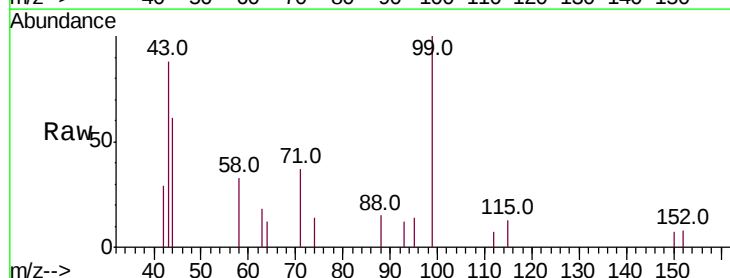
Tgt Ion: 99 Resp: 1077

Ion Ratio Lower Upper

99 100

42 17.2 14.8 22.2

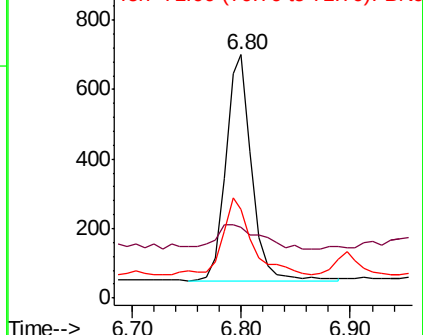
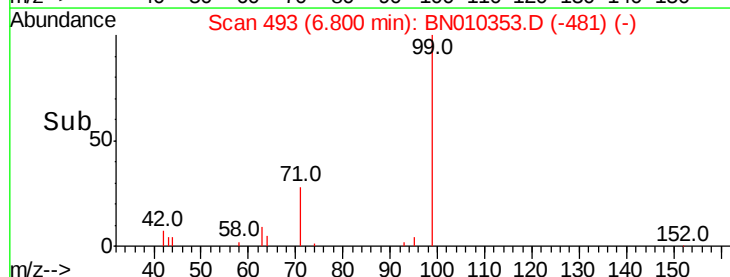
71 39.3 27.3 40.9

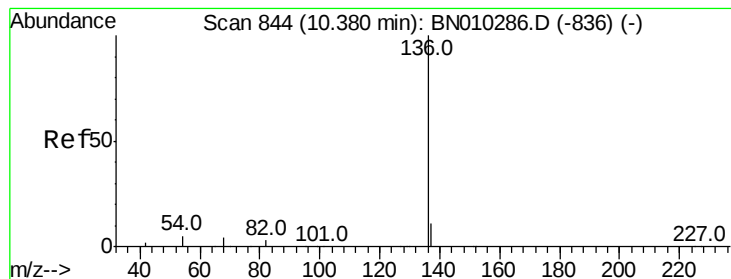


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.37 min Scan# 843

Delta R.T. -0.01 min

Lab File: BN010353.D

Acq: 27 Mar 2020 15:57

Instrument :

BNA\_N

ClientSampleId :

KY038PS027-200323

Tot Ion:136 Resp: 19052

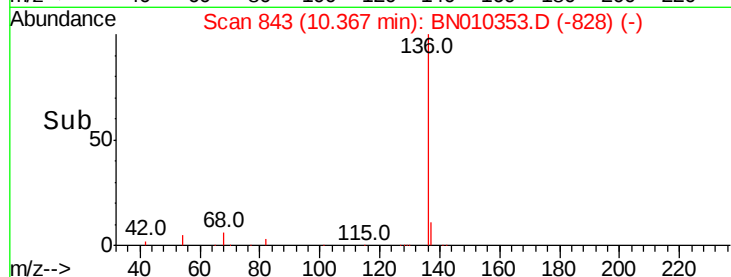
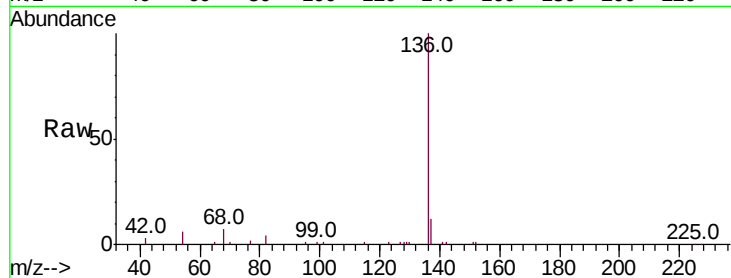
Ion Ratio Lower Upper

136 100

137 11.8 9.3 13.9

54 5.6 4.8 7.2

68 6.6 4.1 6.1#



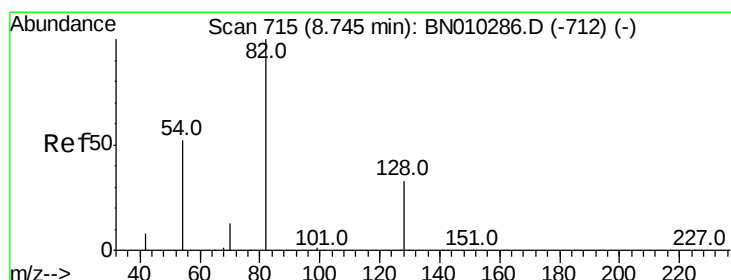
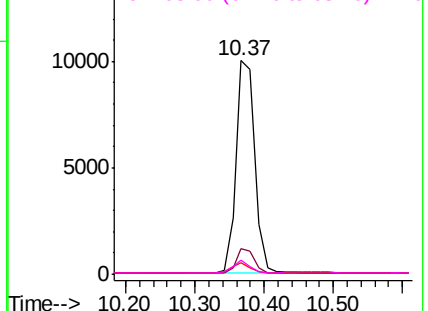
Abundance

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: 0.544 ng

RT: 8.74 min Scan# 715

Delta R.T. 0.00 min

Lab File: BN010353.D

Acq: 27 Mar 2020 15:57

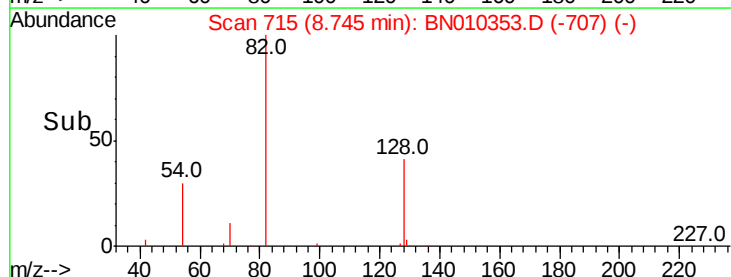
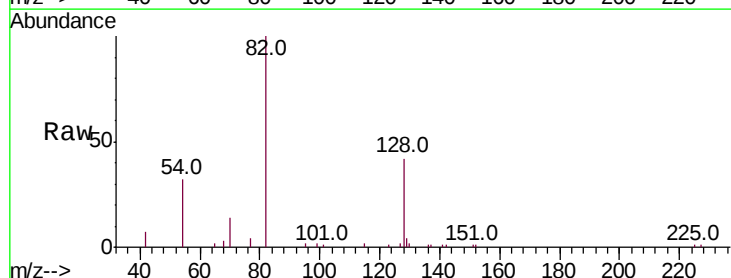
Tgt Ion: 82 Resp: 6637

Ion Ratio Lower Upper

82 100

128 42.1 28.8 43.2

54 31.6 42.1 63.1#

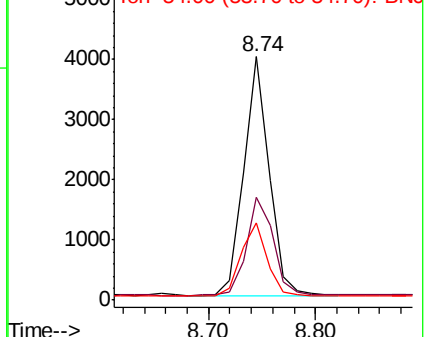


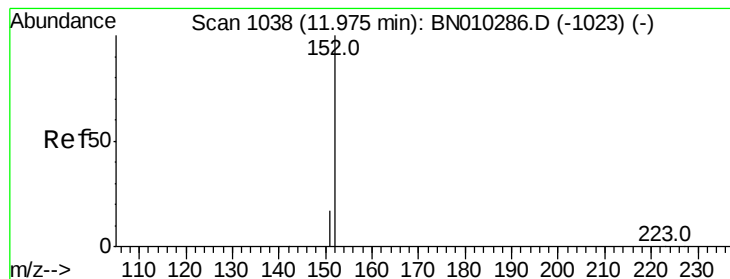
Abundance

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: 0.267 ng

RT: 11.97 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BN010353.D

Acq: 27 Mar 2020 15:57

Instrument :

BNA\_N

ClientSampleId :

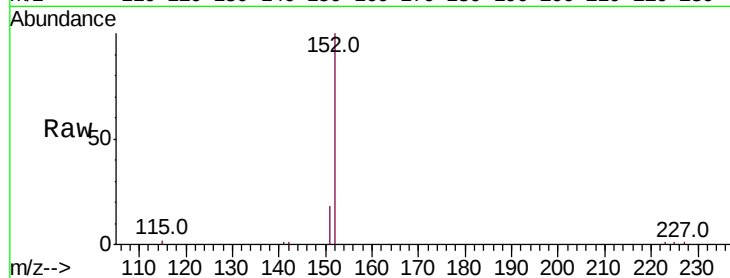
KY038PS027-200323

Tot Ion:152 Resp: 8134

Ion Ratio Lower Upper

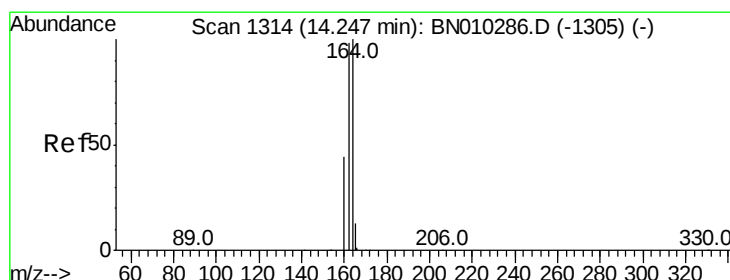
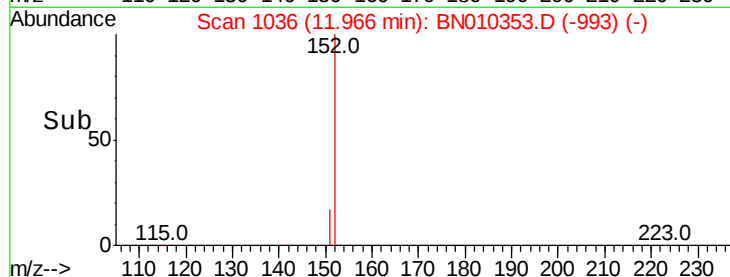
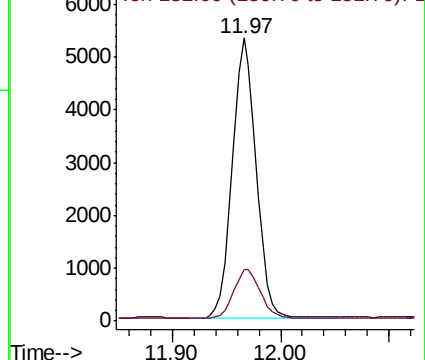
152 100

151 19.5 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BN010353.D

Acq: 27 Mar 2020 15:57

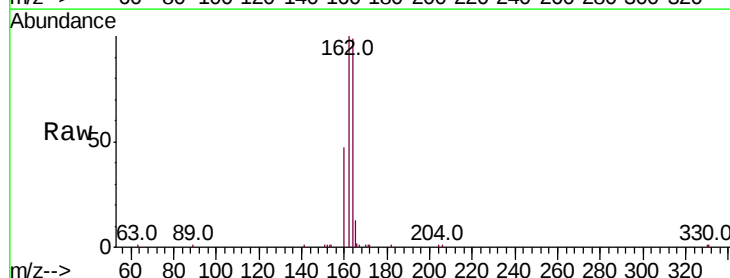
Tgt Ion:164 Resp: 11057

Ion Ratio Lower Upper

164 100

162 101.5 78.2 117.2

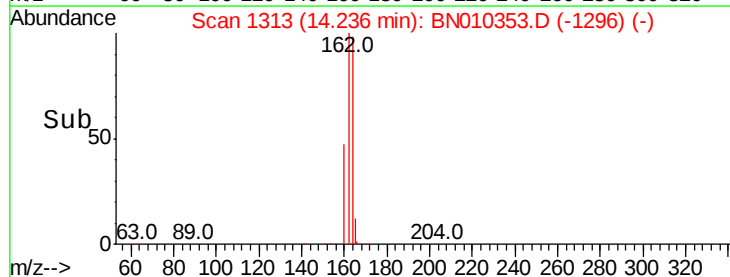
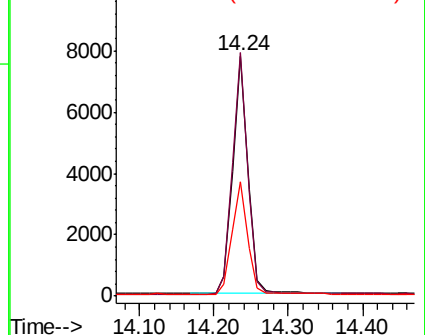
160 47.6 35.8 53.6

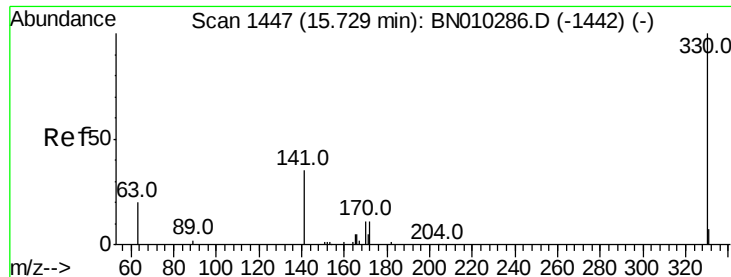


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

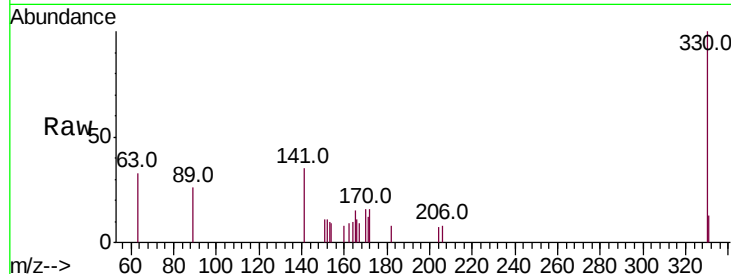




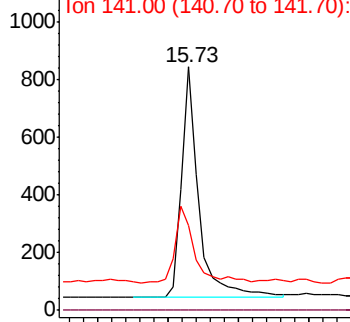
#14  
 2,4,6-Tribromophenol  
 Concen: 0.322 ng  
 RT: 15.73 min Scan# 1447  
 Delta R.T. 0.00 min  
 Lab File: BN010353.D  
 Acq: 27 Mar 2020 15:57

Instrument :  
 BNA\_N  
 ClientSampleId :  
 KY038PS027-200323

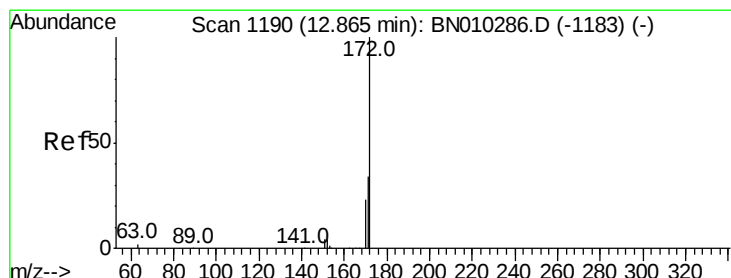
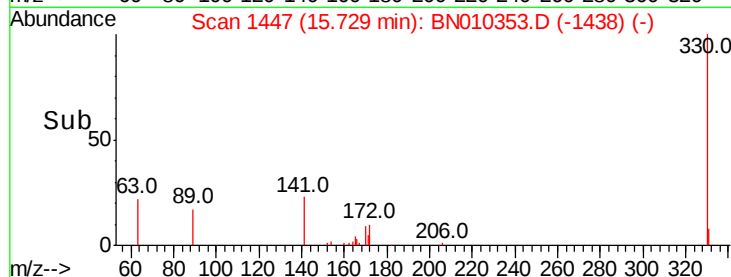
Tot Ion:330 Resp: 1370  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 35.9 29.3 43.9



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

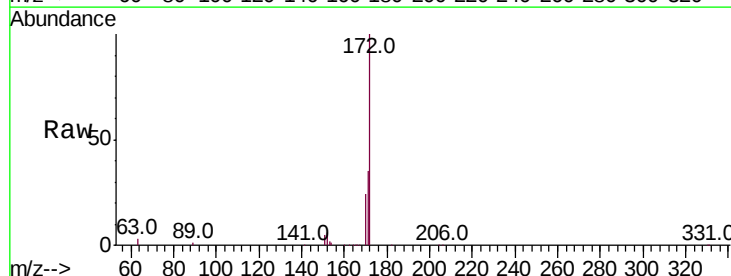


Time-->

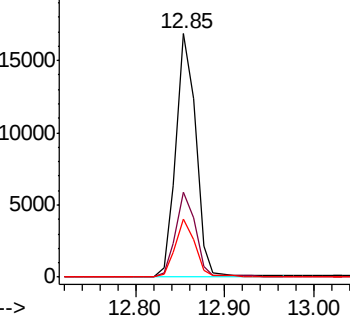


#15  
 2-Fluorobiphenyl  
 Concen: 0.614 ng  
 RT: 12.85 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BN010353.D  
 Acq: 27 Mar 2020 15:57

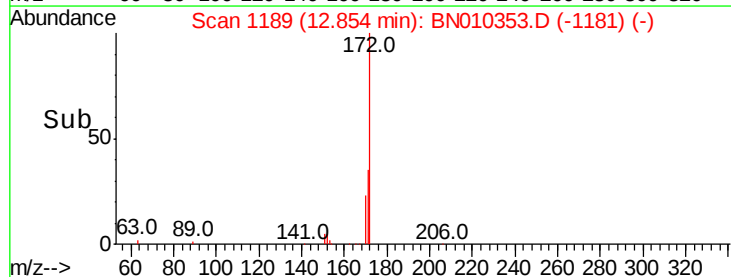
Tgt Ion:172 Resp: 25968  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 27.6 41.4  
 170 23.7 18.5 27.7

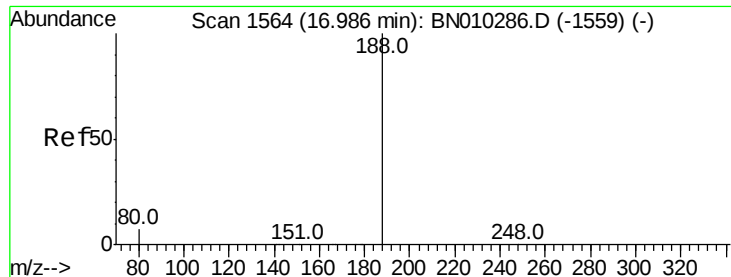


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.99 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BN010353.D

Acq: 27 Mar 2020 15:57

Instrument :

BNA\_N

ClientSampleId :

KY038PS027-200323

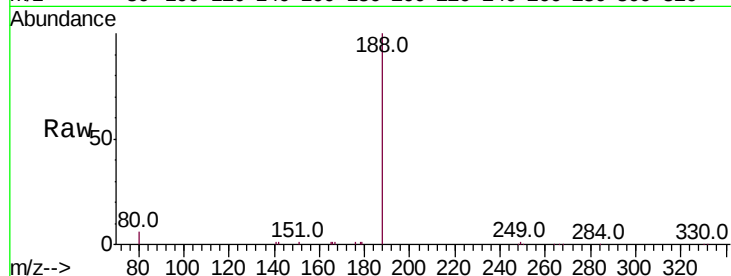
Tot Ion:188 Resp: 26252

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

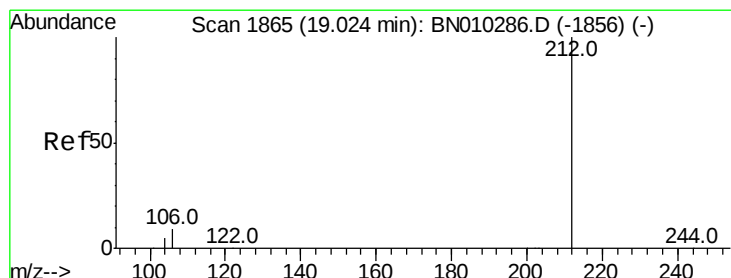
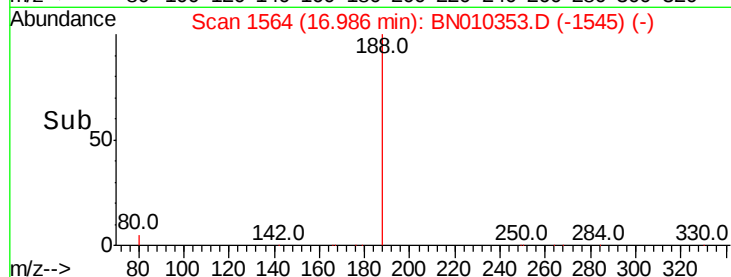
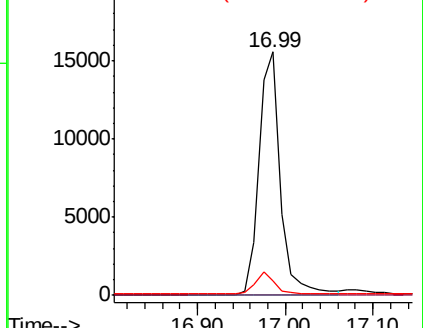
80 6.0 6.0 9.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#25

Fluoranthene-d10

Concen: 0.280 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN010353.D

Acq: 27 Mar 2020 15:57

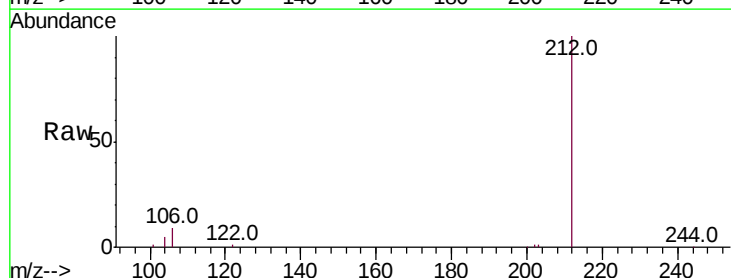
Tgt Ion:212 Resp: 22127

Ion Ratio Lower Upper

212 100

106 9.6 7.4 11.2

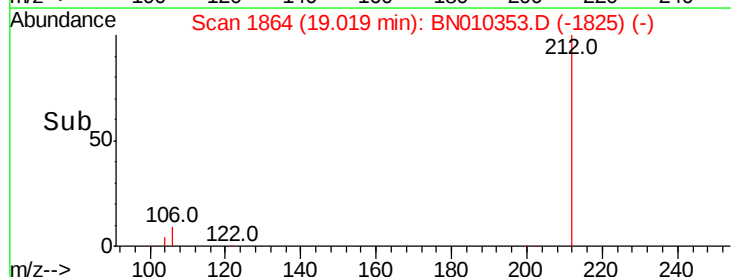
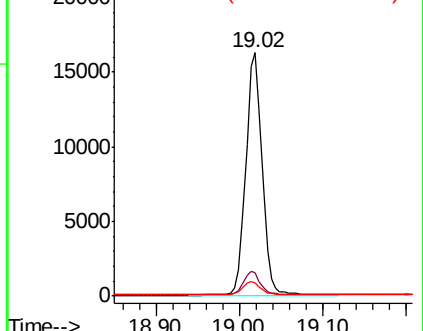
104 5.6 4.2 6.4

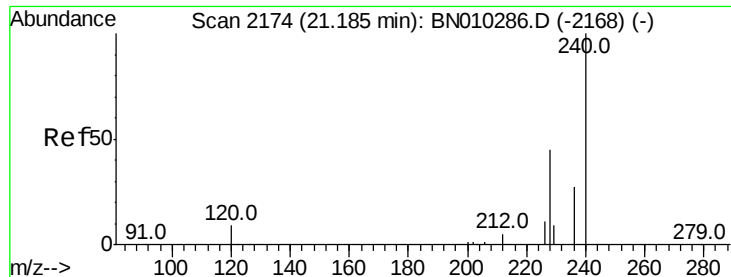


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

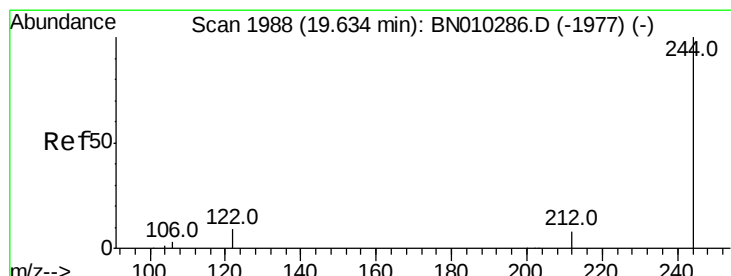
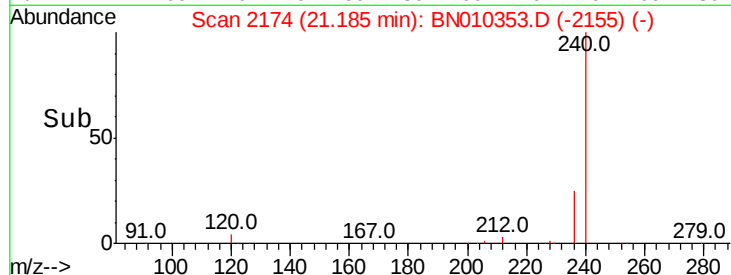
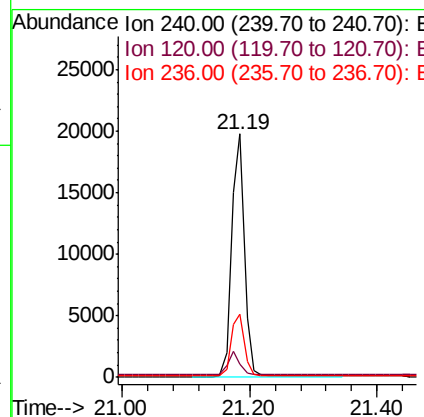
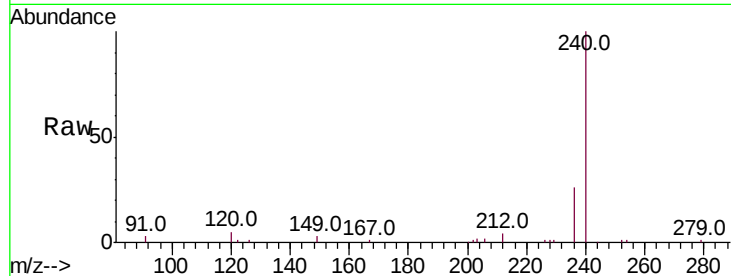




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.19 min Scan# 2174  
 Delta R.T. 0.00 min  
 Lab File: BN010353.D  
 Acq: 27 Mar 2020 15:57

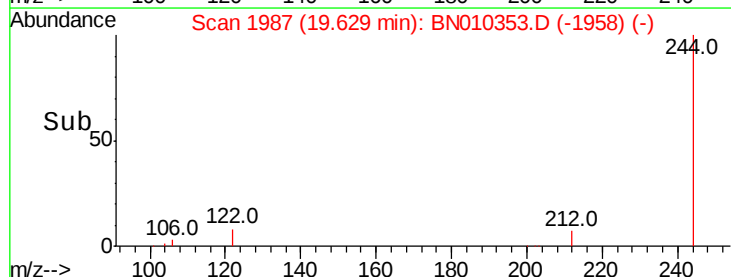
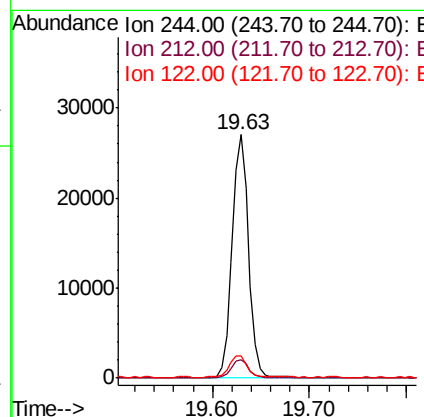
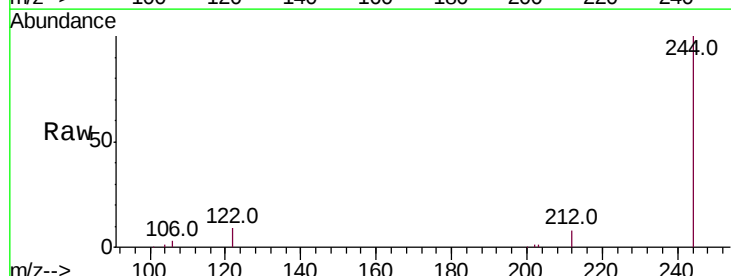
Instrument :  
 BNA\_N  
 ClientSampleId :  
 KY038PS027-200323

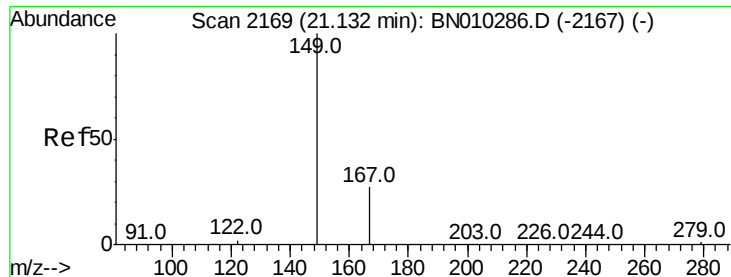
Tot Ion:240 Resp: 27076  
 Ion Ratio Lower Upper  
 240 100  
 120 5.2 7.9 11.9#  
 236 25.9 22.2 33.4



#29  
 Terphenyl-d14  
 Concen: 0.538 ng  
 RT: 19.63 min Scan# 1987  
 Delta R.T. -0.00 min  
 Lab File: BN010353.D  
 Acq: 27 Mar 2020 15:57

Tgt Ion:244 Resp: 31480  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.3 9.5  
 122 8.9 7.6 11.4





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.065 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BN010353.D

Acq: 27 Mar 2020 15:57

Instrument :

BNA\_N

ClientSampleId :

KY038PS027-200323

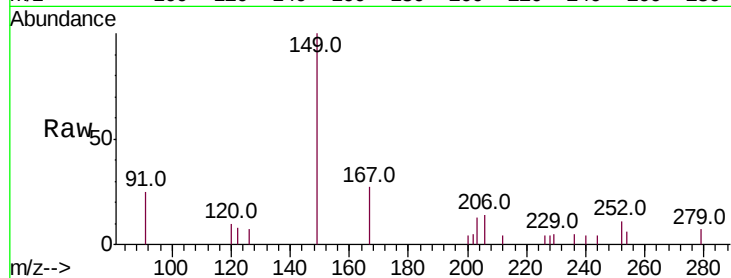
Tot Ion:149 Resp: 1879

Ion Ratio Lower Upper

149 100

167 27.8 23.0 34.6

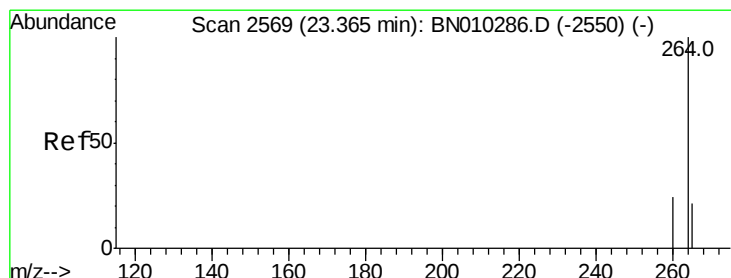
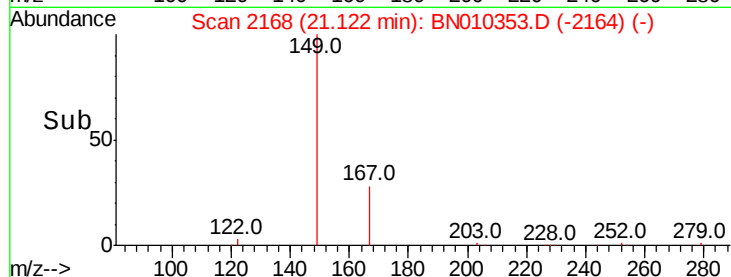
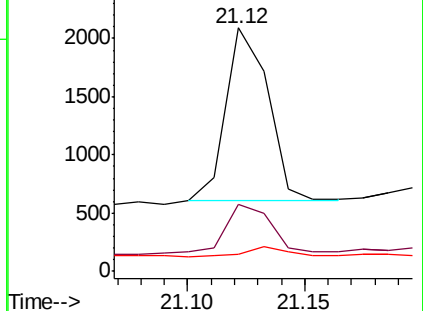
279 5.6 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.35 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BN010353.D

Acq: 27 Mar 2020 15:57

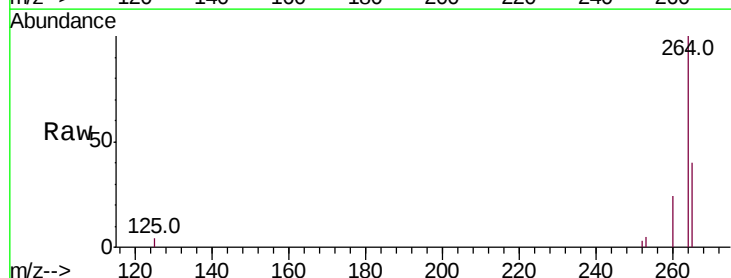
Tgt Ion:264 Resp: 28509

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 40.4 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

