

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031020\  
 Data File : BN010189.D  
 Acq On : 11 Mar 2020 12:56  
 Operator : CG/JU  
 Sample : L1842-18  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D3-20200305

Quant Time: Mar 11 15:14:41 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 19 15:57:43 2020  
 Response via : Initial Calibration

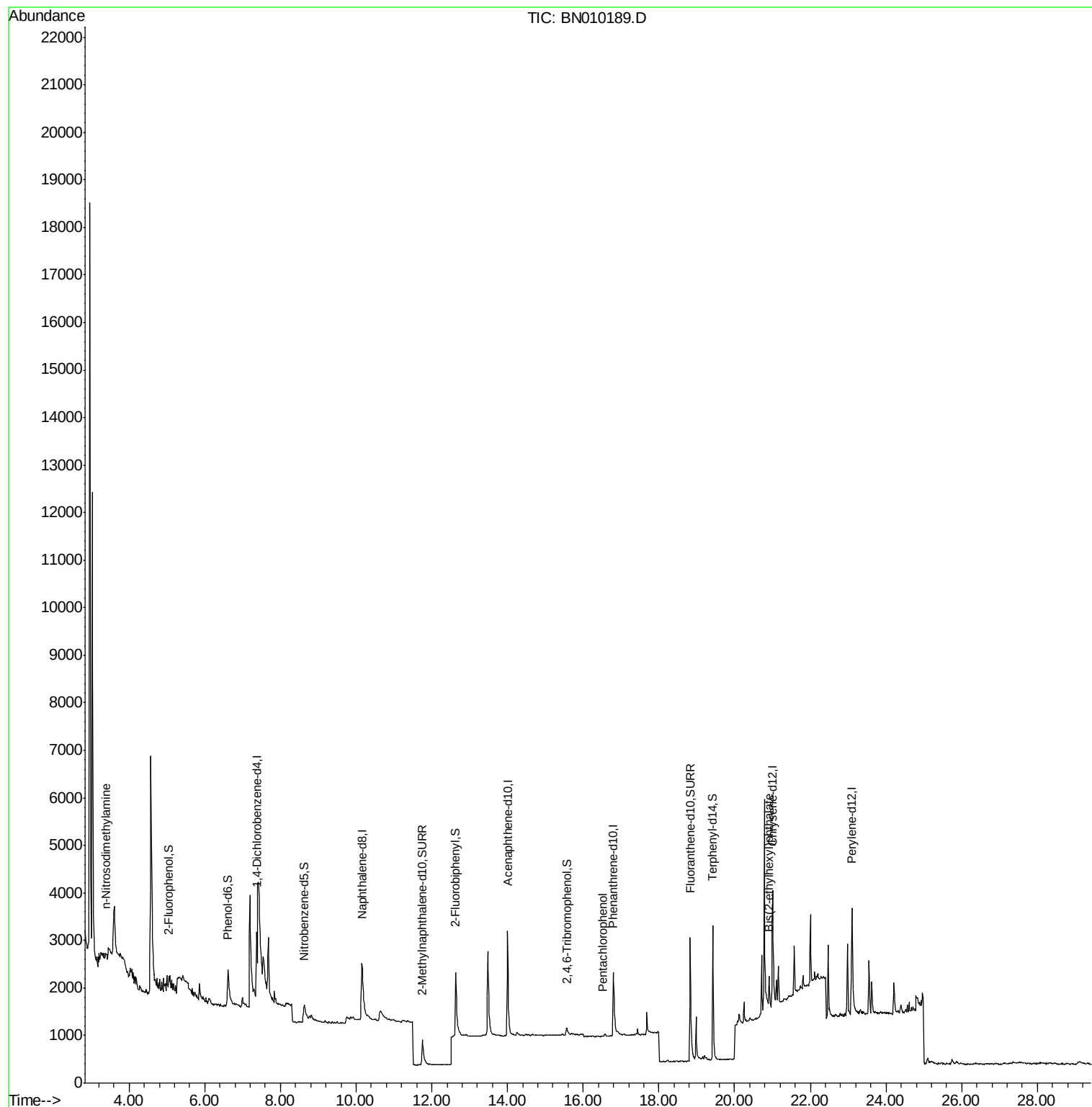
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.37  | 152  | 778      | 0.40      | ng    | -0.05    |
| 7) Naphthalene-d8              | 10.15 | 136  | 3368     | 0.40      | ng    | -0.03    |
| 13) Acenaphthene-d10           | 14.00 | 164  | 1608     | 0.40      | ng    | -0.06    |
| 19) Phenanthrene-d10           | 16.79 | 188  | 3334     | 0.40      | ng    | -0.02    |
| 27) Chrysene-d12               | 21.00 | 240  | 3598     | 0.40      | ng    | -0.03    |
| 34) Perylene-d12               | 23.10 | 264  | 3915     | 0.40      | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.06  | 112  | 359      | 0.21      | ng    | -0.02    |
| 5) Phenol-d6                   | 6.59  | 99   | 246      | 0.12      | ng    | -0.06    |
| 8) Nitrobenzene-d5             | 8.63  | 82   | 696      | 0.25      | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10    | 11.75 | 152  | 1475     | 0.23      | ng    | -0.03    |
| 14) 2,4,6-Tribromophenol       | 15.56 | 330  | 199      | 0.32      | ng    | -0.02    |
| 15) 2-Fluorobiphenyl           | 12.63 | 172  | 2138     | 0.35      | ng    | -0.06    |
| 25) Fluoranthene-d10           | 18.83 | 212  | 4275     | 0.37      | ng    | -0.03    |
| 29) Terphenyl-d14              | 19.42 | 244  | 3823     | 0.44      | ng    | -0.05    |
| Target Compounds               |       |      |          |           |       |          |
| 3) n-Nitrosodimethylamine      | 3.37  | 42   | 42       | 0.032     | ng    | # 30     |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248  | 29       | Below Cal |       | # 73     |
| 22) Pentachlorophenol          | 16.51 | 266  | 6        | 0.187     | ng    | # 75     |
| 32) Bis(2-ethylhexyl)phthalate | 20.91 | 149  | 621      | 0.107     | ng    | 97       |

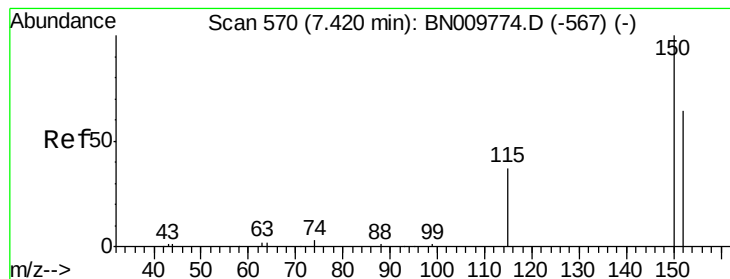
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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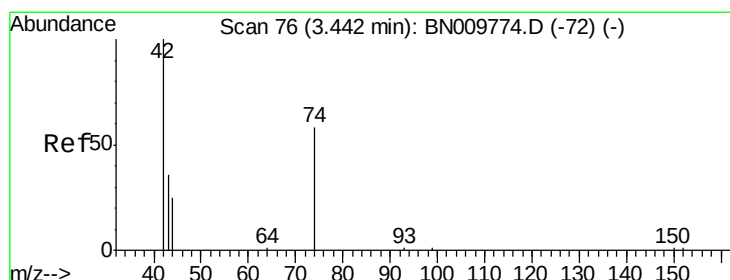
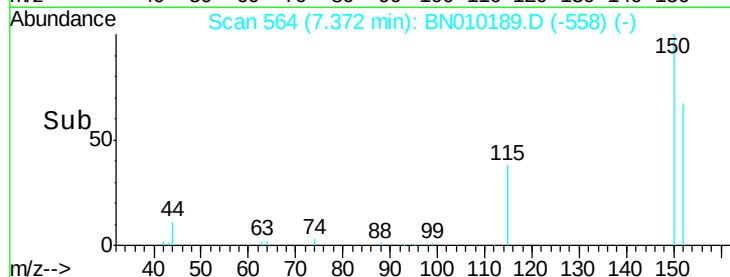
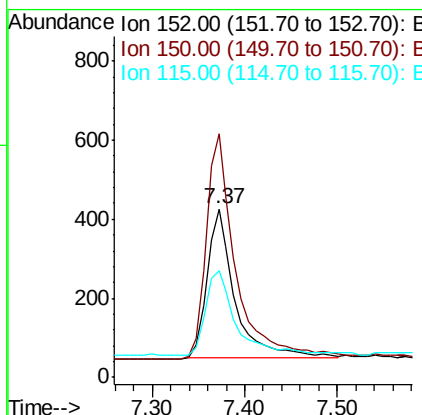
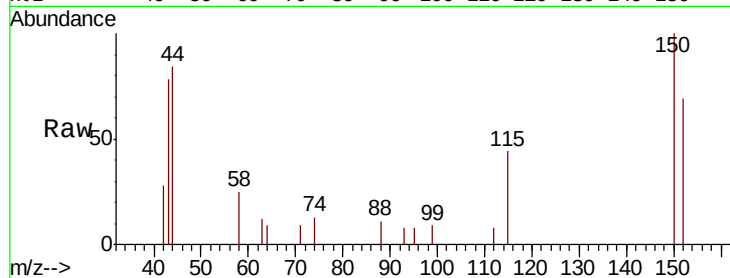


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.37 min Scan# 564  
Delta R.T. -0.05 min  
Lab File: BN010189.D  
Acq: 11 Mar 2020 12:56

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D3-20200305

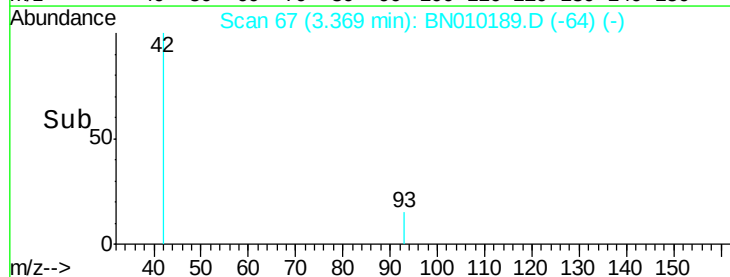
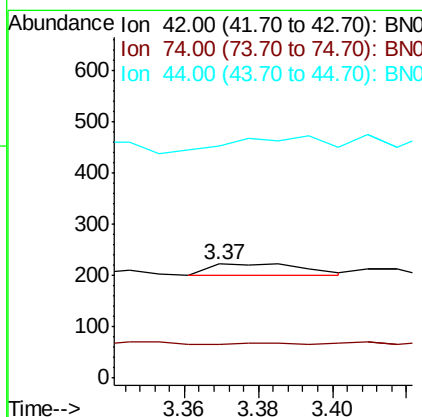
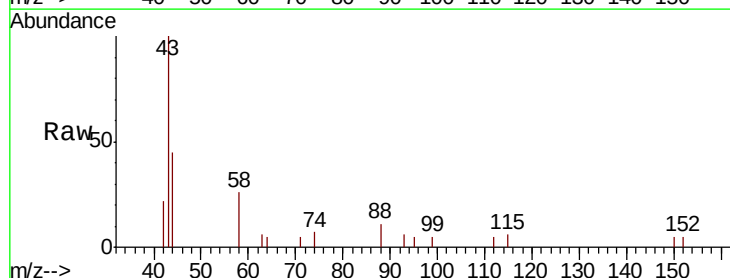
Tot Ion:152 Resp: 778  
Ion Ratio Lower Upper  
152 100  
150 144.6 120.6 181.0  
115 63.1 51.2 76.8

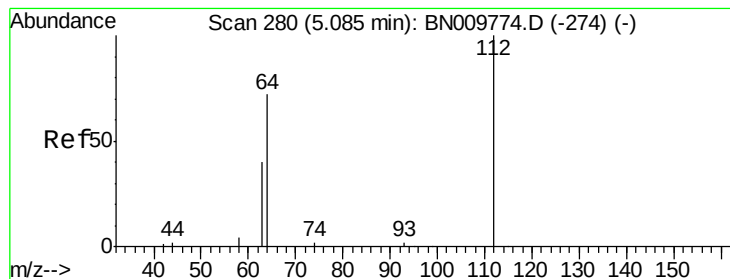


#3

n-Nitrosodimethylamine  
Concen: 0.032 ng  
RT: 3.37 min Scan# 67  
Delta R.T. -0.07 min  
Lab File: BN010189.D  
Acq: 11 Mar 2020 12:56

Tgt Ion: 42 Resp: 42  
Ion Ratio Lower Upper  
42 100  
74 7.1 51.2 76.8#  
44 0.0 2.6 4.0#





#4

2-Fluorophenol

Concen: 0.208 ng

RT: 5.06 min Scan# 277

Delta R.T. -0.02 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

RE132D3-20200305

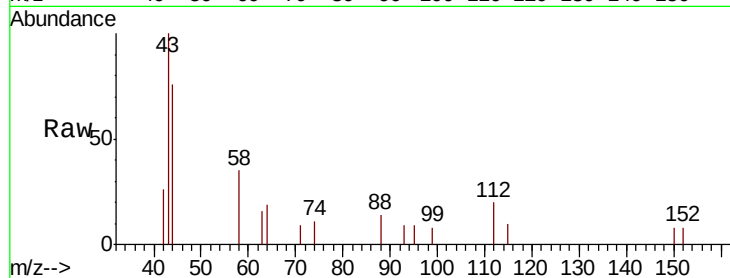
Tot Ion:112 Resp: 359

Ion Ratio Lower Upper

112 100

64 78.0 65.8 98.6

63 33.7 38.7 58.1#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

5.06

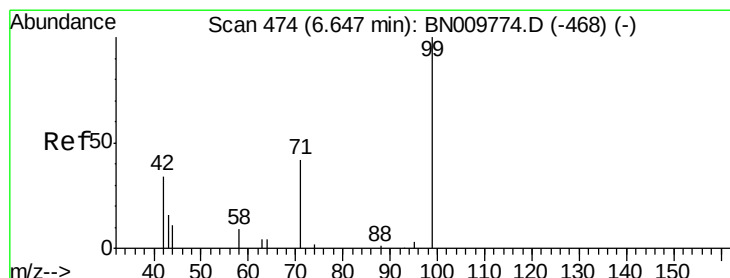
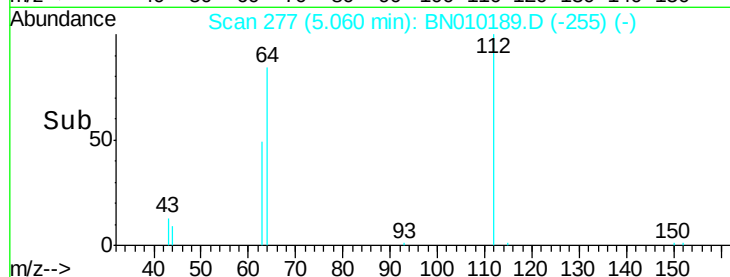
100

50

0

Time-->

5.00 5.10 5.20



#5

Phenol-d6

Concen: 0.117 ng

RT: 6.59 min Scan# 467

Delta R.T. -0.06 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

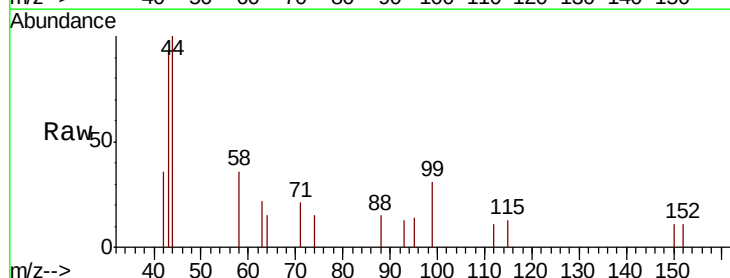
Tgt Ion: 99 Resp: 246

Ion Ratio Lower Upper

99 100

42 90.7 30.8 46.2#

71 37.8 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0

6.59

200

150

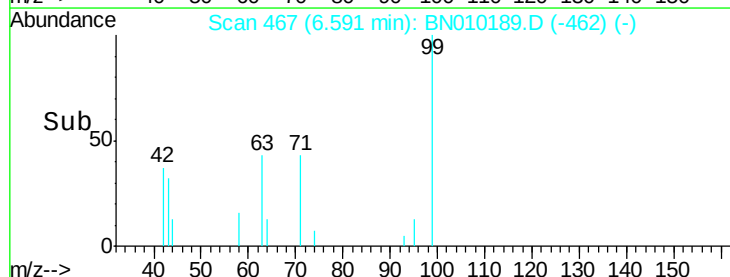
100

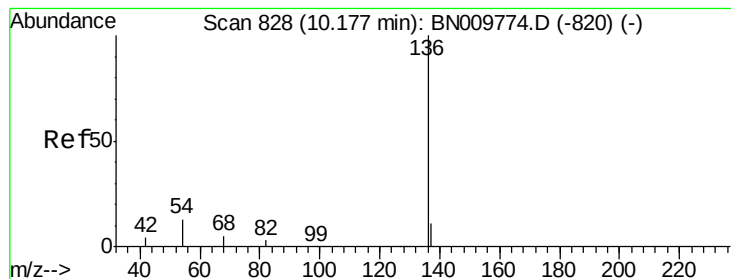
50

0

Time-->

6.50 6.60 6.70





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.03 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

RE132D3-20200305

Tot Ion:136 Resp: 3368

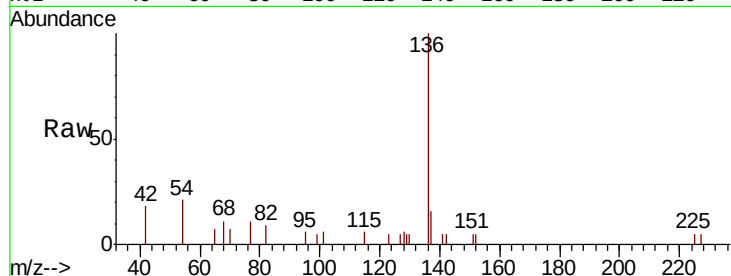
Ion Ratio Lower Upper

136 100

137 16.1 11.3 16.9

54 20.8 13.4 20.2#

68 11.0 7.0 10.4#

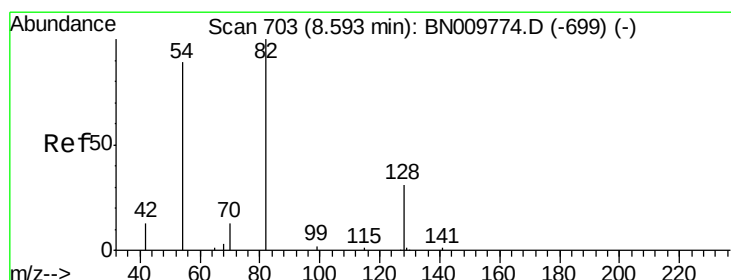
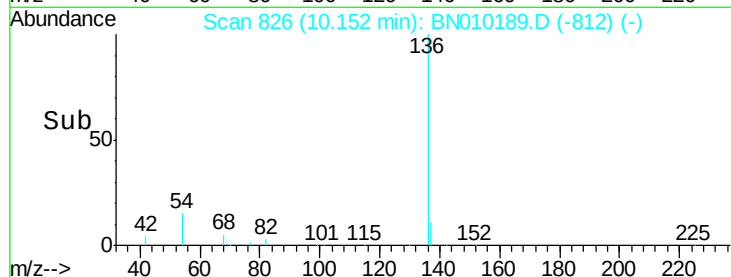
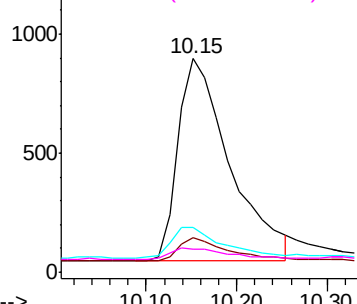


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.248 ng

RT: 8.63 min Scan# 706

Delta R.T. 0.04 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

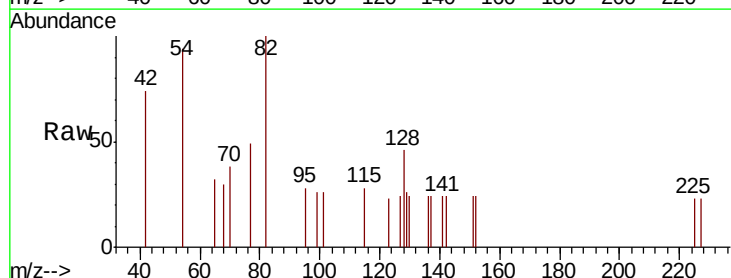
Tgt Ion: 82 Resp: 696

Ion Ratio Lower Upper

82 100

128 45.8 32.5 48.7

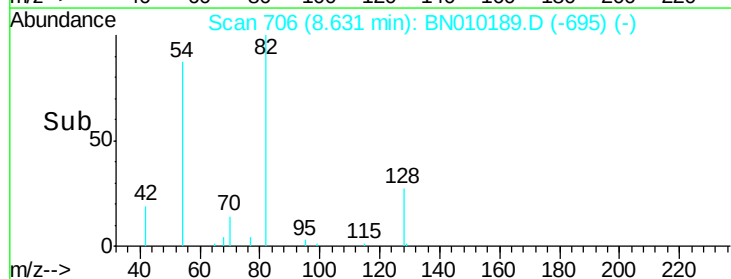
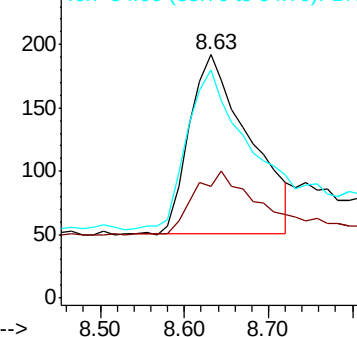
54 93.8 73.5 110.3

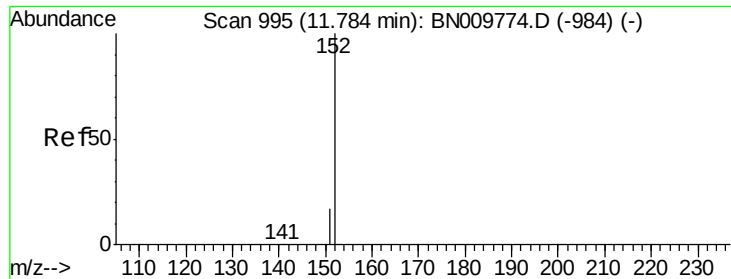


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

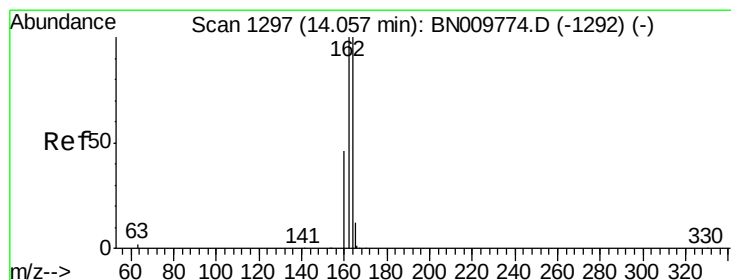
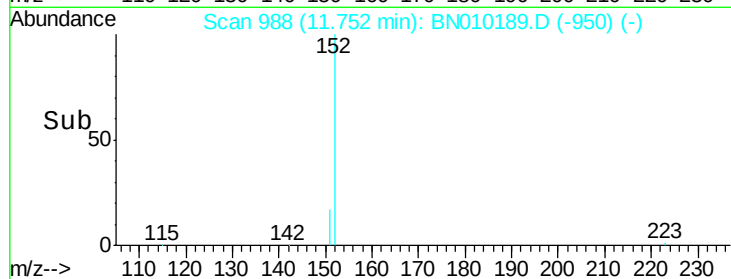
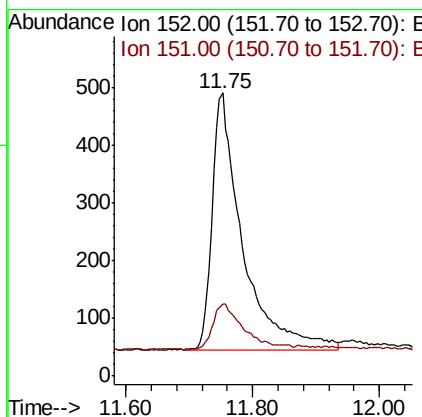
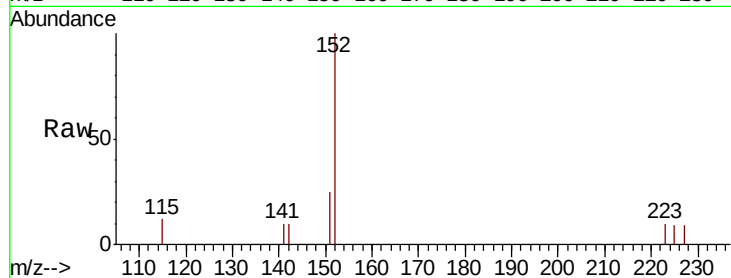




#11  
2-Methylnaphthalene-d10  
Concen: 0.226 ng  
RT: 11.75 min Scan# 988  
Delta R.T. -0.03 min  
Lab File: BN010189.D  
Acq: 11 Mar 2020 12:56

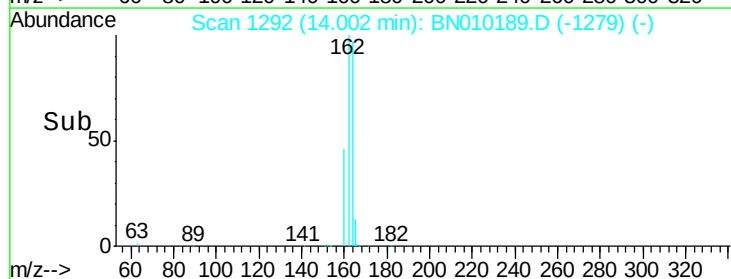
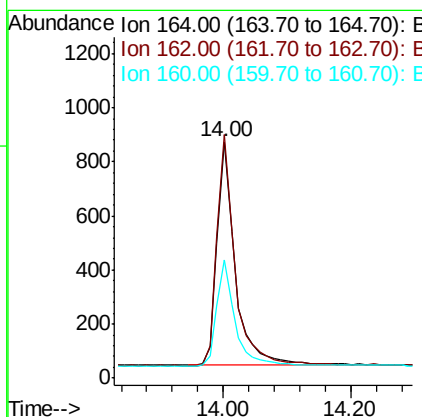
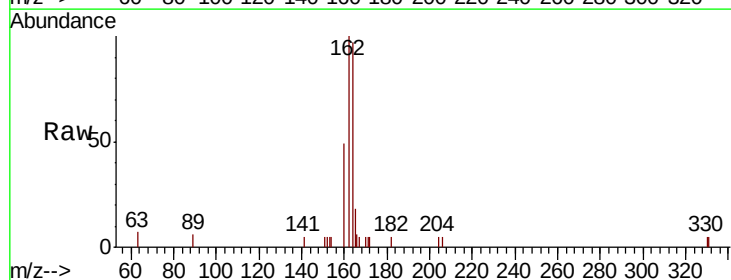
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D3-20200305

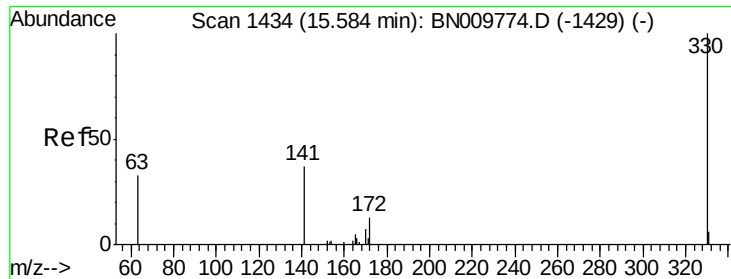
Tot Ion:152 Resp: 1475  
Ion Ratio Lower Upper  
152 100  
151 17.2 15.1 22.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.00 min Scan# 1292  
Delta R.T. -0.06 min  
Lab File: BN010189.D  
Acq: 11 Mar 2020 12:56

Tgt Ion:164 Resp: 1608  
Ion Ratio Lower Upper  
164 100  
162 103.1 79.9 119.9  
160 50.1 38.2 57.2

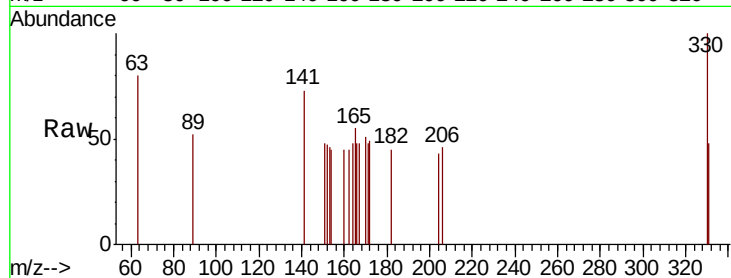




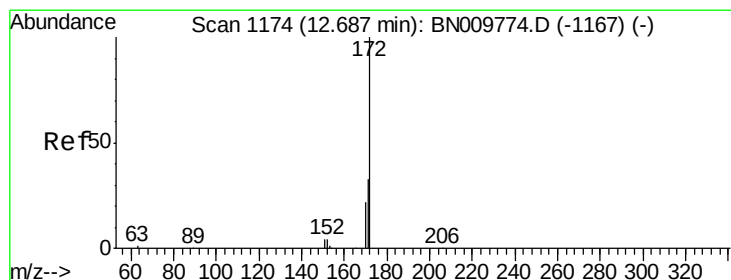
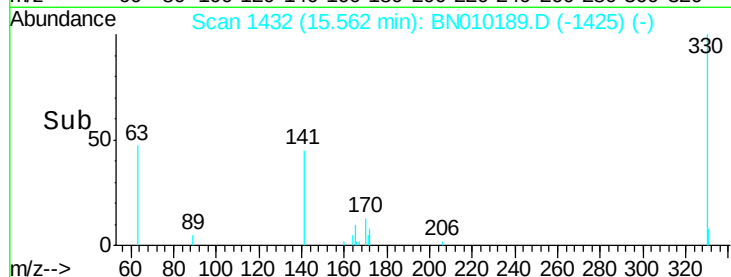
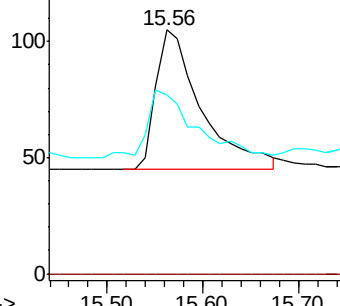
#14  
 2,4,6-Tribromophenol  
 Concen: 0.321 ng  
 RT: 15.56 min Scan# 1432  
 Delta R.T. -0.02 min  
 Lab File: BN010189.D  
 Acq: 11 Mar 2020 12:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D3-20200305

Tot Ion:330 Resp: 199  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 51.3 36.8 55.2

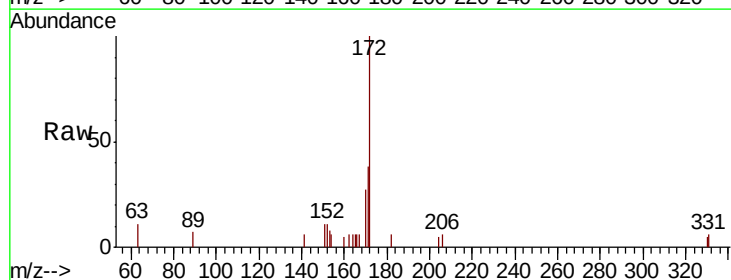


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

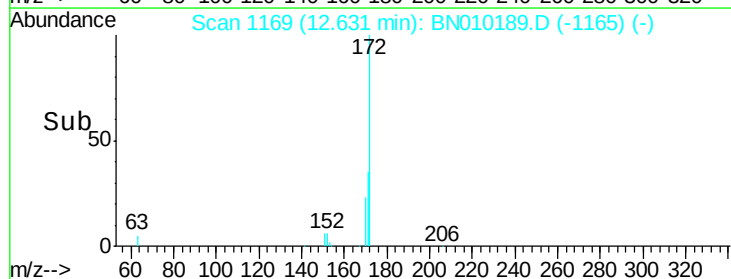
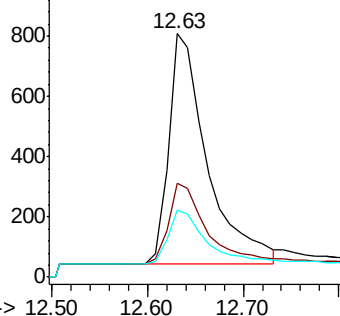


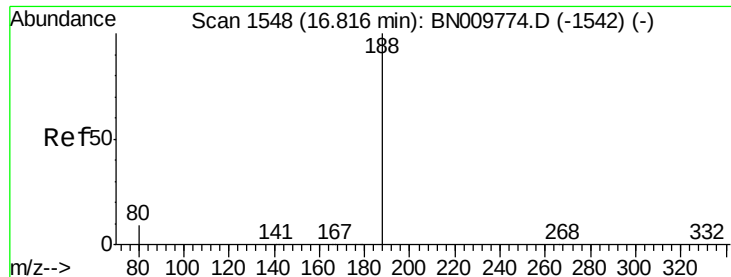
#15  
 2-Fluorobiphenyl  
 Concen: 0.352 ng  
 RT: 12.63 min Scan# 1169  
 Delta R.T. -0.06 min  
 Lab File: BN010189.D  
 Acq: 11 Mar 2020 12:56

Tgt Ion:172 Resp: 2138  
 Ion Ratio Lower Upper  
 172 100  
 171 38.5 28.7 43.1  
 170 27.5 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: 16.79 min Scan# 1546

Delta R.T. -0.02 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

RE132D3-20200305

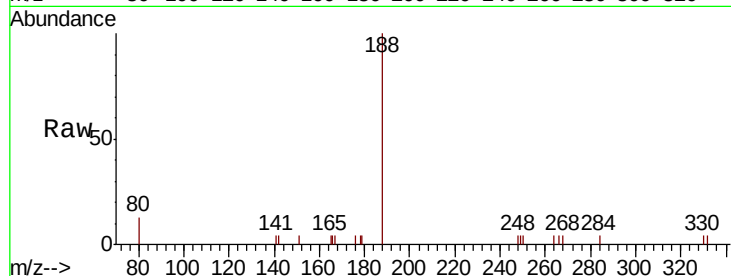
Tot Ion:188 Resp: 3334

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

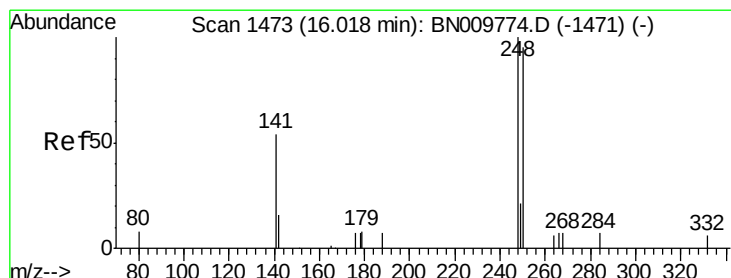
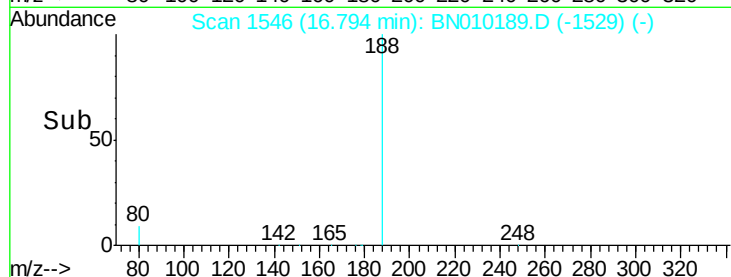
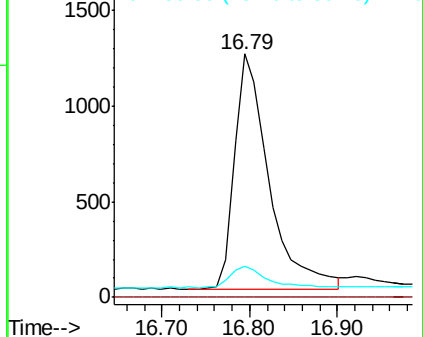
80 12.8 8.3 12.5#



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-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

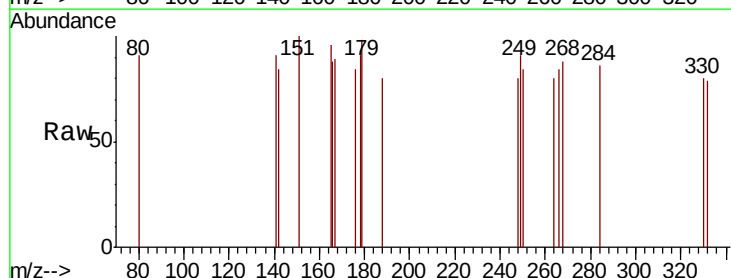
Tgt Ion:248 Resp: 29

Ion Ratio Lower Upper

248 100

250 104.4 76.2 114.4

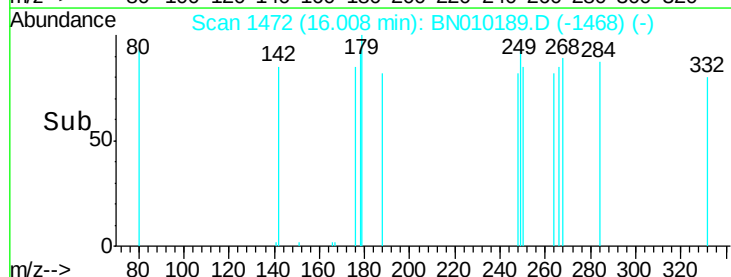
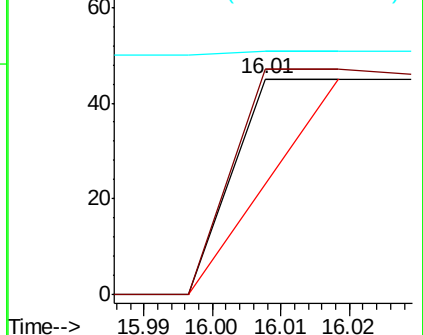
141 113.3 57.8 86.6#



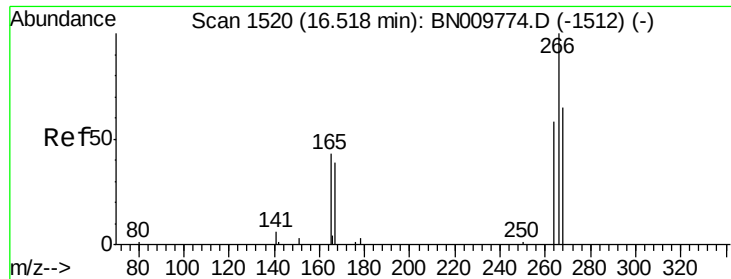
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E







#22

Pentachlorophenol

Concen: 0.187 ng

RT: 16.51 min Scan# 1519

Delta R.T. -0.01 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

RE132D3-20200305

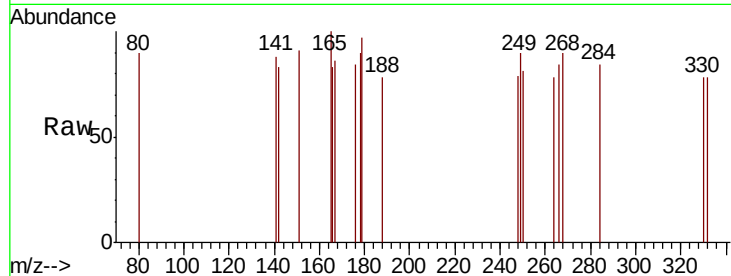
Tot Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 91.8 58.1 87.1#

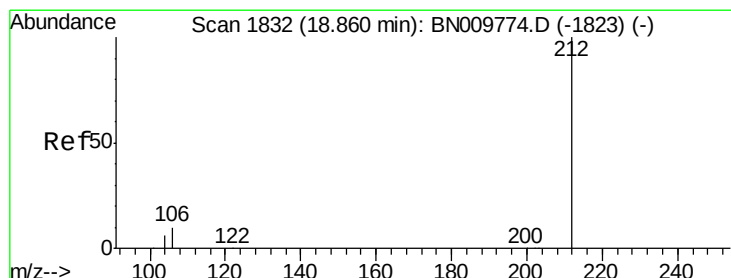
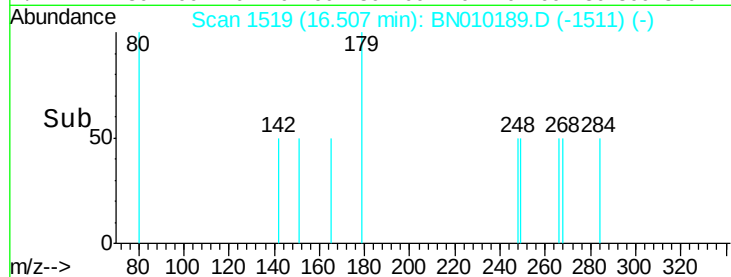
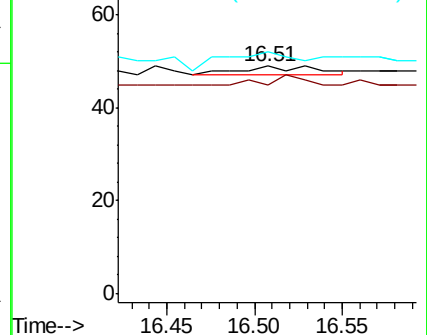
268 106.1 65.7 98.5#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#25

Fluoranthene-d10

Concen: 0.371 ng

RT: 18.83 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

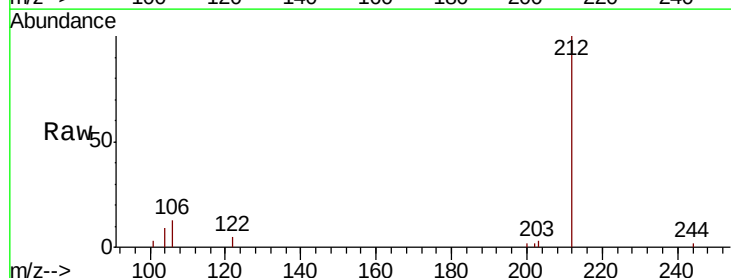
Tgt Ion:212 Resp: 4275

Ion Ratio Lower Upper

212 100

106 11.2 8.4 12.6

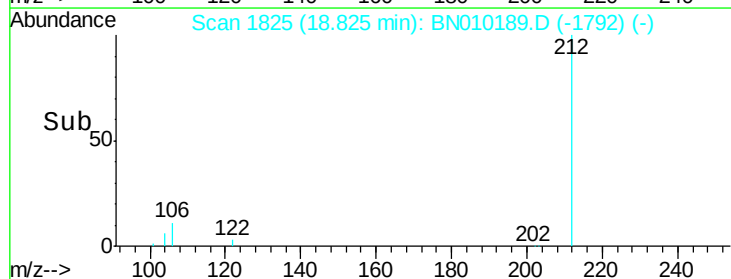
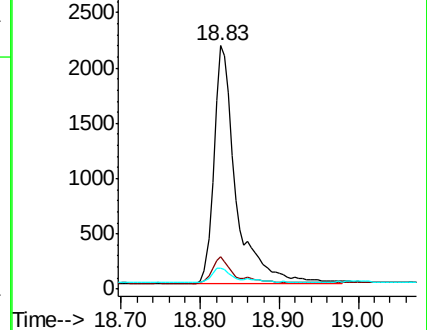
104 5.3 4.8 7.2

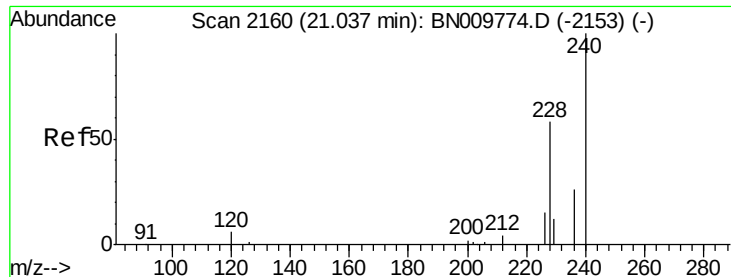


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

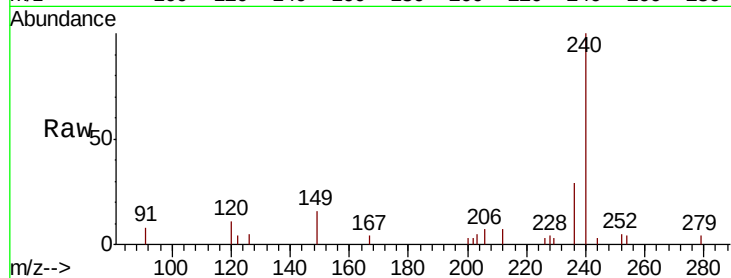




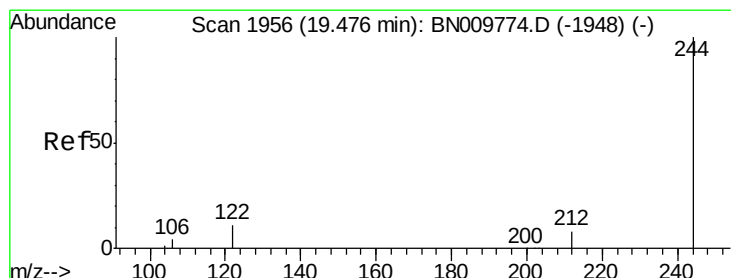
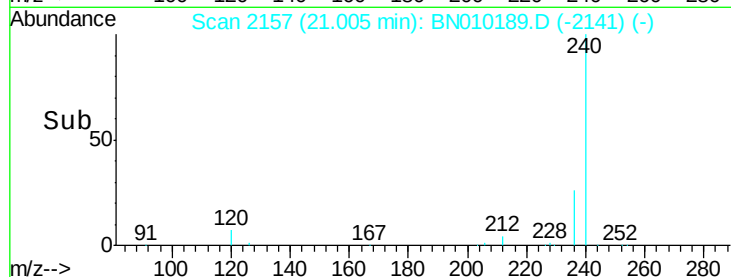
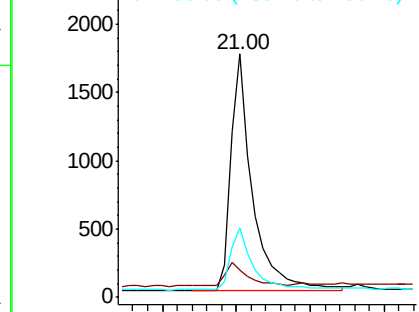
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.00 min Scan# 2157  
 Delta R.T. -0.03 min  
 Lab File: BN010189.D  
 Acq: 11 Mar 2020 12:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D3-20200305

Tot Ion:240 Resp: 3598  
 Ion Ratio Lower Upper  
 240 100  
 120 11.2 7.9 11.9  
 236 28.7 22.0 33.0

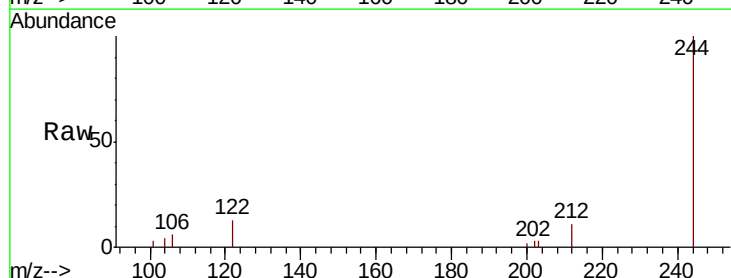


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

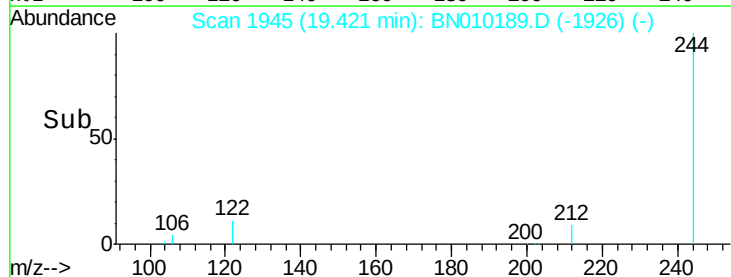
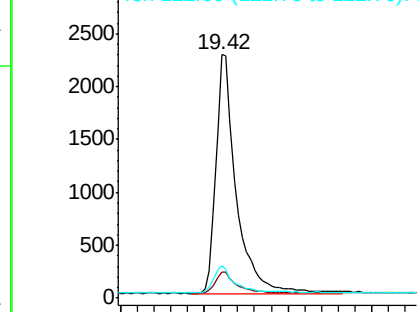


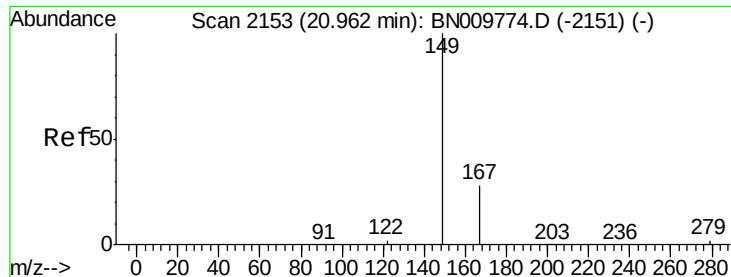
#29  
 Terphenyl-d14  
 Concen: 0.445 ng  
 RT: 19.42 min Scan# 1945  
 Delta R.T. -0.05 min  
 Lab File: BN010189.D  
 Acq: 11 Mar 2020 12:56

Tgt Ion:244 Resp: 3823  
 Ion Ratio Lower Upper  
 244 100  
 212 10.7 8.0 12.0  
 122 13.3 10.0 15.0



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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.107 ng

RT: 20.91 min Scan# 2148

Delta R.T. -0.05 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

RE132D3-20200305

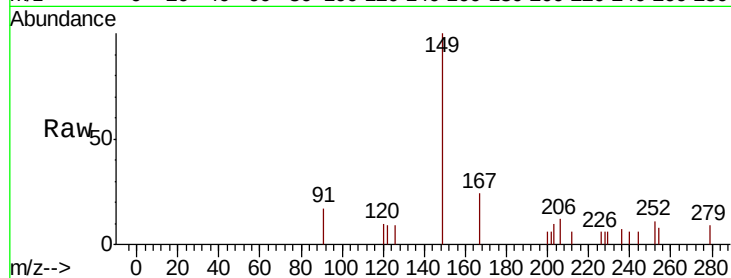
Tot Ion:149 Resp: 621

Ion Ratio Lower Upper

149 100

167 26.6 22.7 34.1

279 4.0 3.1 4.7



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

20.91

800

600

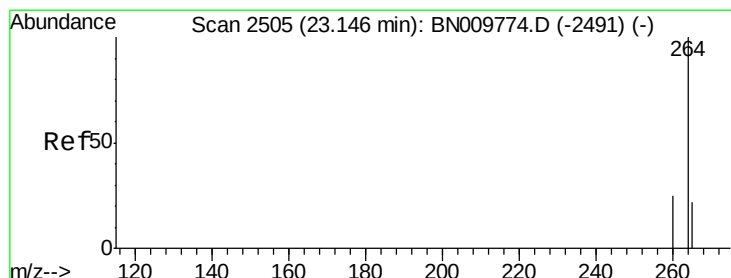
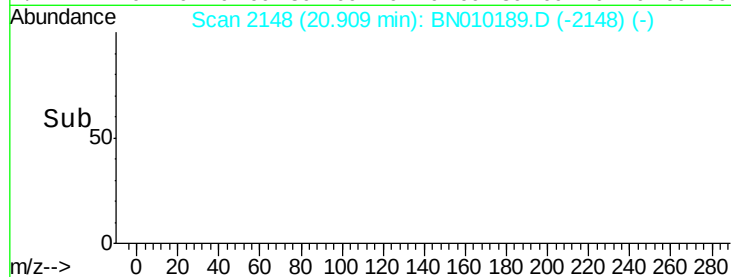
400

200

0

20.90 20.95

Time-->



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.10 min Scan# 2491

Delta R.T. -0.05 min

Lab File: BN010189.D

Acq: 11 Mar 2020 12:56

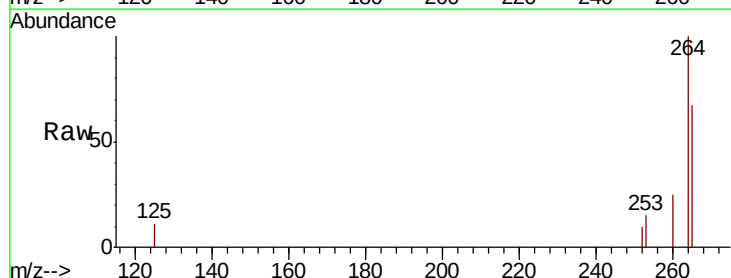
Tgt Ion:264 Resp: 3915

Ion Ratio Lower Upper

264 100

260 25.2 21.1 31.7

265 67.4 57.5 86.3



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

23.10

2000

1500

1000

500

0

23.00 23.10 23.20 23.30

Time-->

