

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061220\  
 Data File : BN010844.D  
 Acq On : 12 Jun 2020 13:33  
 Operator : CG/JU  
 Sample : L2988-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D1-20200608

Quant Time: Jun 12 14:05:58 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 12 11:11:17 2020  
 Response via : Initial Calibration

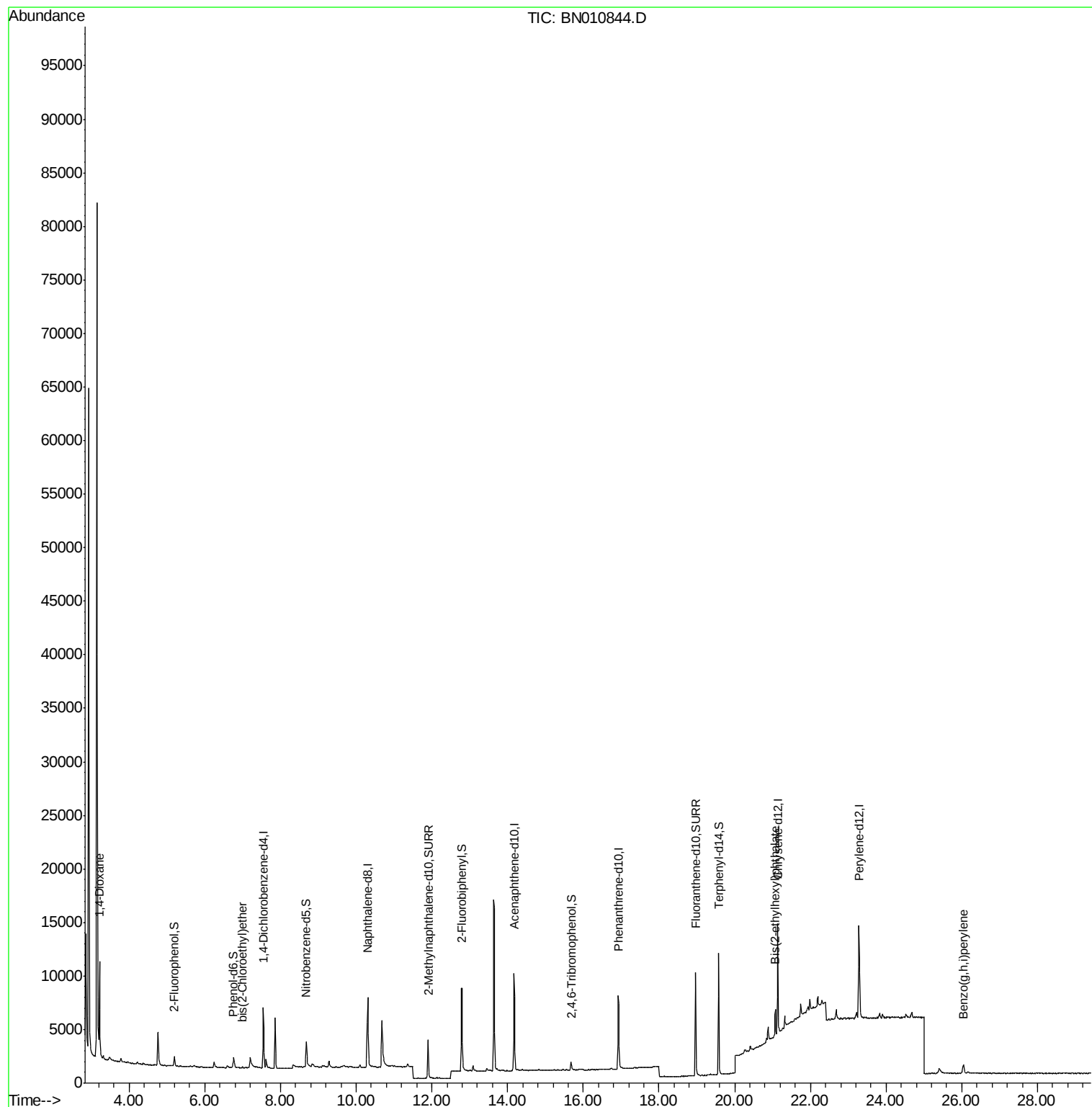
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.55  | 152  | 2710     | 0.40  | ng    | 0.00      |
| 7) Naphthalene-d8              | 10.30 | 136  | 9738     | 0.40  | ng    | 0.00      |
| 13) Acenaphthene-d10           | 14.17 | 164  | 5444     | 0.40  | ng    | -0.01     |
| 19) Phenanthrene-d10           | 16.92 | 188  | 11258    | 0.40  | ng    | 0.00      |
| 27) Chrysene-d12               | 21.13 | 240  | 10649    | 0.40  | ng    | 0.00      |
| 34) Perylene-d12               | 23.29 | 264  | 11527    | 0.40  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 4) 2-Fluorophenol              | 5.20  | 112  | 887      | 0.17  | ng    | 0.00      |
| 5) Phenol-d6                   | 6.74  | 99   | 622      | 0.10  | ng    | 0.00      |
| 8) Nitrobenzene-d5             | 8.68  | 82   | 2952     | 0.41  | ng    | -0.01     |
| 11) 2-Methylnaphthalene-d10    | 11.90 | 152  | 5273     | 0.35  | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol       | 15.68 | 330  | 701      | 0.36  | ng    | 0.00      |
| 15) 2-Fluorobiphenyl           | 12.80 | 172  | 8647     | 0.40  | ng    | 0.00      |
| 25) Fluoranthene-d10           | 18.96 | 212  | 11701    | 0.38  | ng    | 0.00      |
| 29) Terphenyl-d14              | 19.58 | 244  | 11857    | 0.48  | ng    | 0.00      |
| Target Compounds               |       |      |          |       |       |           |
| 2) 1,4-Dioxane                 | 3.22  | 88   | 7341     | 2.766 | ng    | Qvalue 98 |
| 6) bis(2-Chloroethyl)ether     | 6.99  | 93   | 143      | 0.024 | ng    | # 88      |
| 32) Bis(2-ethylhexyl)phthalate | 21.08 | 149  | 2240     | 0.215 | ng    | 97        |
| 39) Benzo(g,h,i)perylene       | 26.04 | 276  | 1730     | 0.043 | ng    | # 67      |

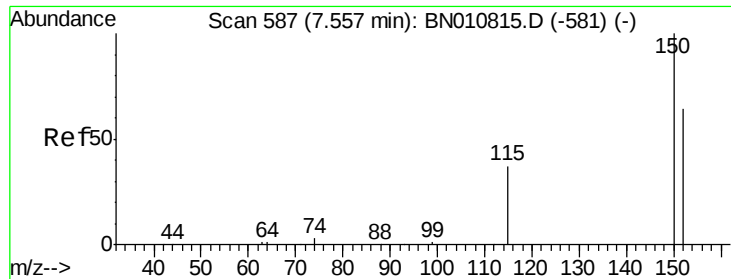
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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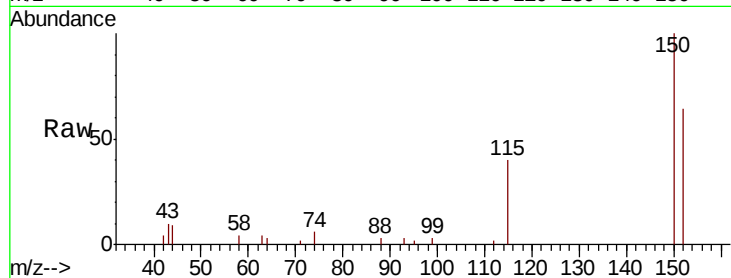


#1

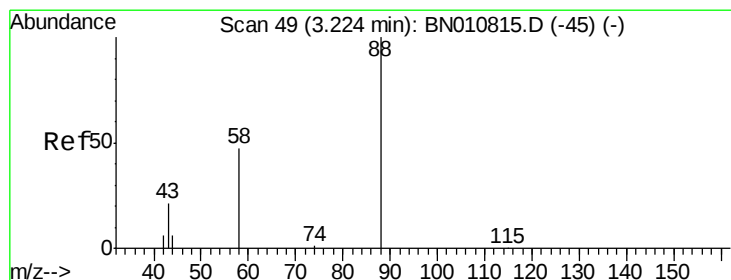
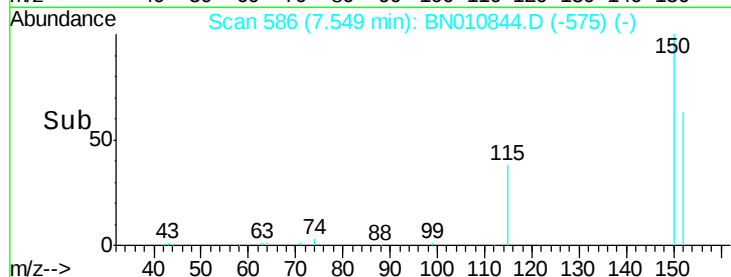
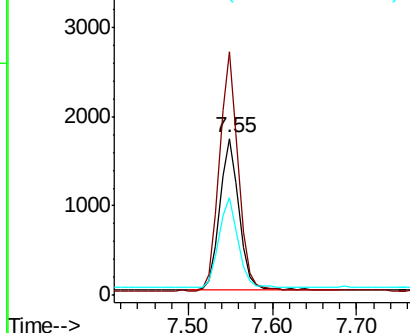
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.55 min Scan# 586  
Delta R.T. -0.01 min  
Lab File: BN010844.D  
Acq: 12 Jun 2020 13:33

Instrument :  
BNA\_N  
ClientSampleId :  
RE132D1-20200608

Tot Ion:152 Resp: 2710  
Ion Ratio Lower Upper  
152 100  
150 155.5 123.8 185.6  
115 62.7 49.2 73.8



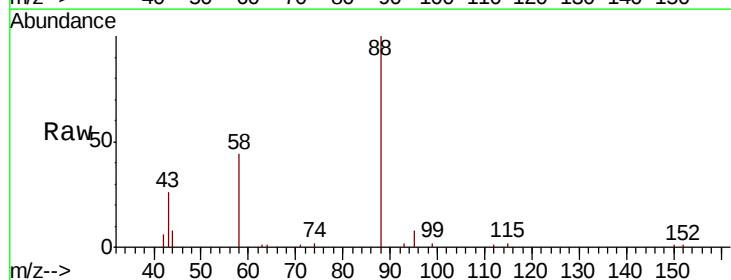
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



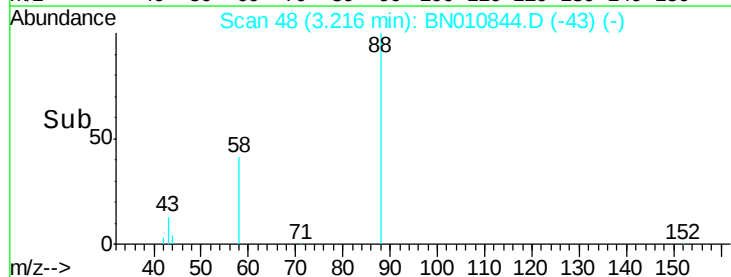
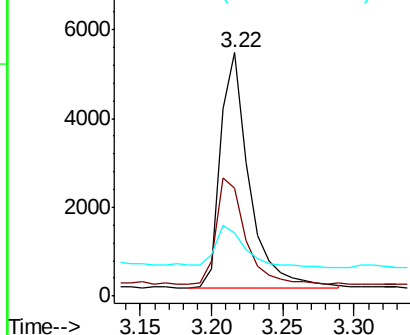
#2

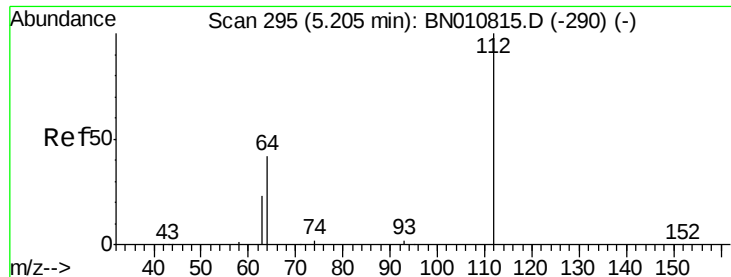
1,4-Dioxane  
Concen: 2.766 ng  
RT: 3.22 min Scan# 48  
Delta R.T. -0.01 min  
Lab File: BN010844.D  
Acq: 12 Jun 2020 13:33

Tgt Ion: 88 Resp: 7341  
Ion Ratio Lower Upper  
88 100  
58 46.2 38.2 57.4  
43 18.7 15.1 22.7



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: 0.170 ng

RT: 5.20 min Scan# 294

Delta R.T. -0.01 min

Lab File: BN010844.D

Acq: 12 Jun 2020 13:33

Instrument :

BNA\_N

ClientSampleId :

RE132D1-20200608

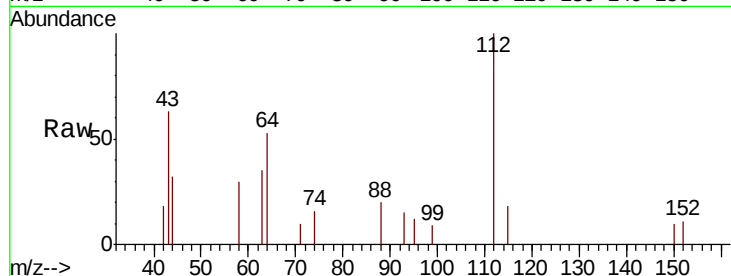
Tot Ion: 112 Resp: 887

Ion Ratio Lower Upper

112 100

64 44.4 37.4 56.0

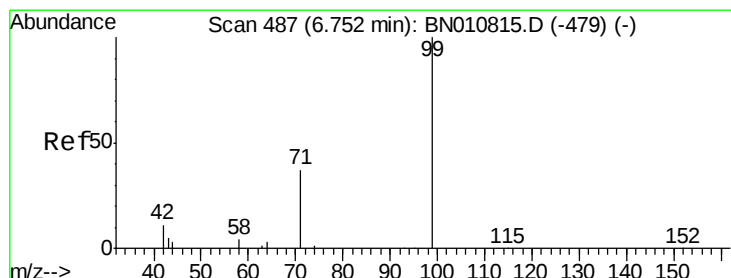
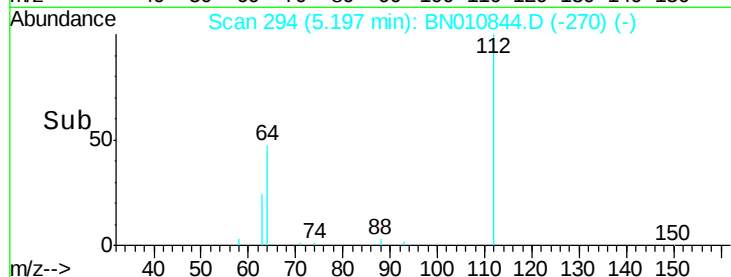
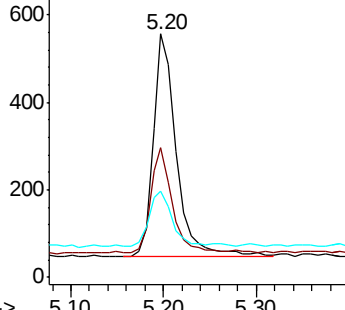
63 25.9 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.101 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.01 min

Lab File: BN010844.D

Acq: 12 Jun 2020 13:33

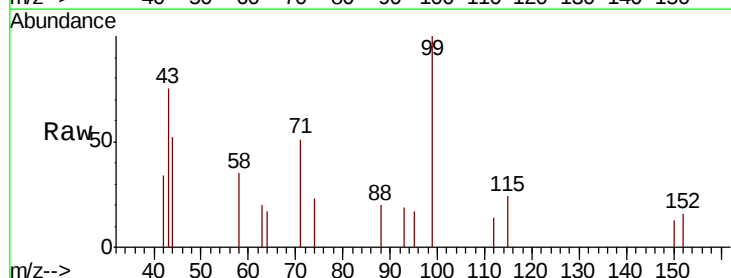
Tgt Ion: 99 Resp: 622

Ion Ratio Lower Upper

99 100

42 17.7 11.1 16.7#

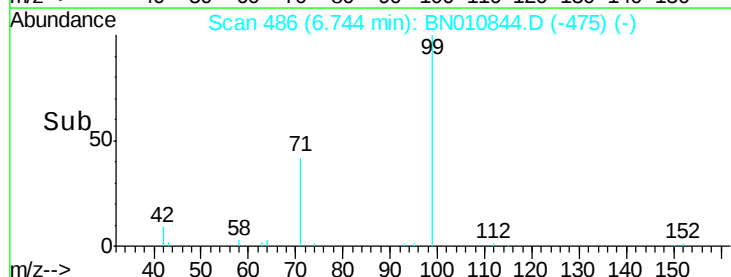
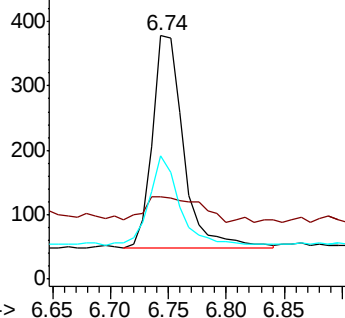
71 40.7 31.4 47.2

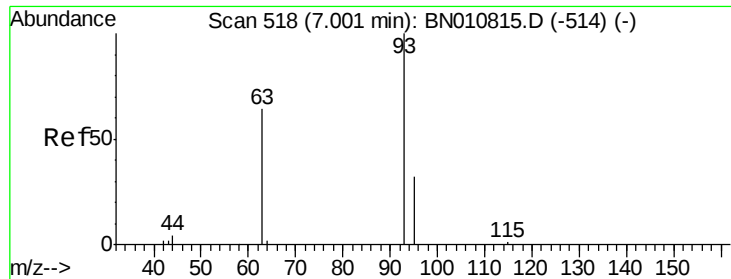


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#6

bis(2-Chloroethyl)ether

Concen: 0.024 ng

RT: 6.99 min Scan# 517

Delta R.T. -0.01 min

Lab File: BN010844.D

Acq: 12 Jun 2020 13:33

Instrument :

BNA\_N

ClientSampleId :

RE132D1-20200608

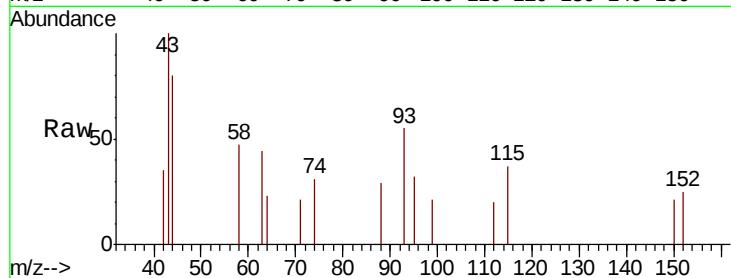
Tot Ion: 93 Resp: 143

Ion Ratio Lower Upper

93 100

63 47.6 49.4 74.2#

95 32.9 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN010815.D (-514) (-)

Ion 63.00 (62.70 to 63.70): BN010815.D (-514) (-)

Ion 95.00 (94.70 to 95.70): BN010815.D (-514) (-)

6.99

150

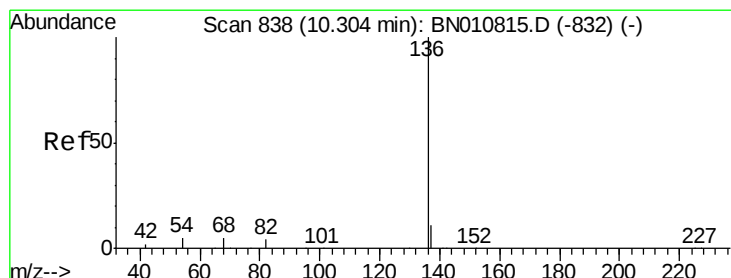
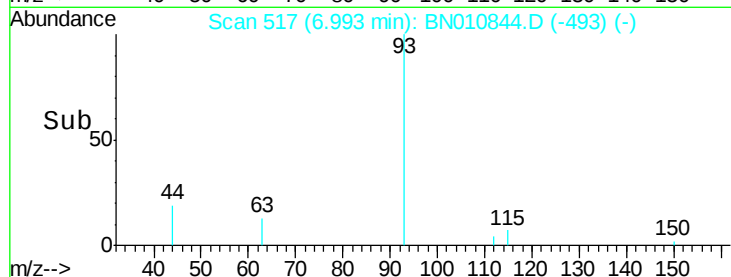
100

50

0

6.90 6.95 7.00 7.05 7.10

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN010844.D

Acq: 12 Jun 2020 13:33

Tgt Ion: 136 Resp: 9738

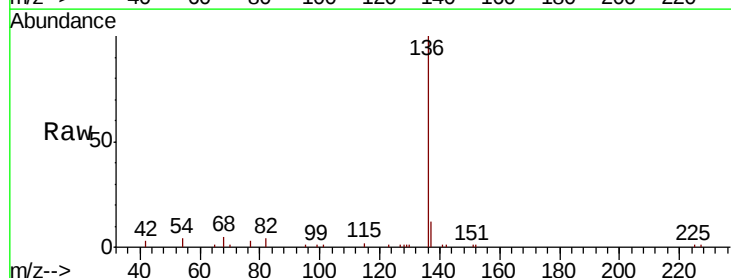
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 4.2 4.9 7.3#

68 4.8 4.7 7.1



Abundance Ion 136.00 (135.70 to 136.70): BN010815.D (-832) (-)

Ion 137.00 (136.70 to 137.70): BN010815.D (-832) (-)

Ion 54.00 (53.70 to 54.70): BN010815.D (-832) (-)

Ion 68.00 (67.70 to 68.70): BN010815.D (-832) (-)

10.30

8000

6000

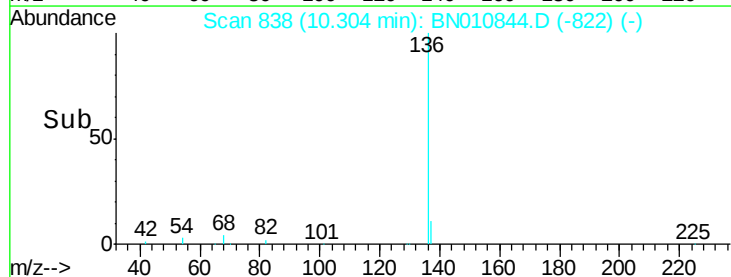
4000

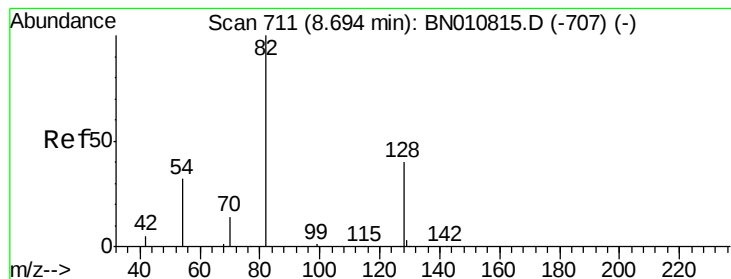
2000

0

10.20 10.40

Time-->





#8

Nitrobenzene-d5

Concen: 0.410 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.01 min

Lab File: BN010844.D

Acq: 12 Jun 2020 13:33

Instrument :

BNA\_N

ClientSampleId :

RE132D1-20200608

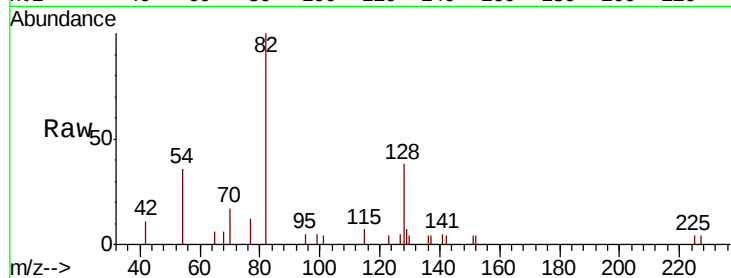
Tot Ion: 82 Resp: 2952

Ion Ratio Lower Upper

82 100

128 38.0 35.4 53.0

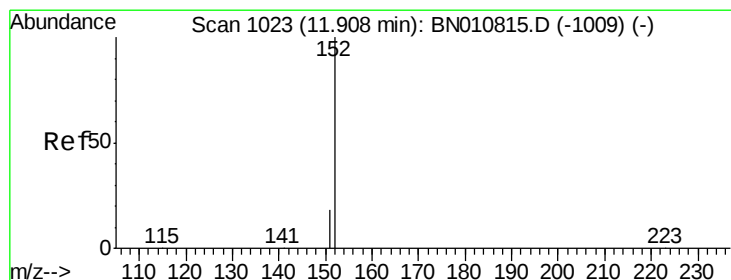
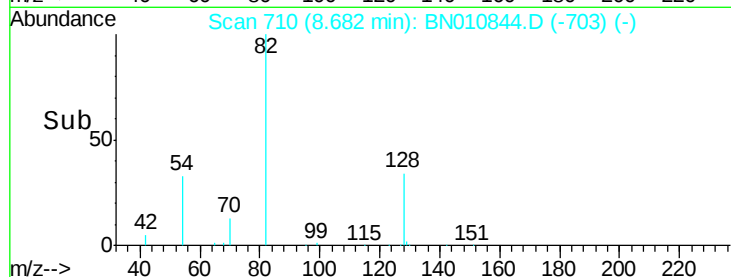
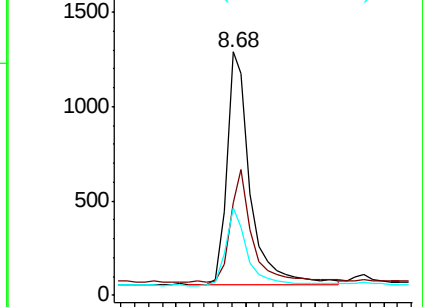
54 35.9 28.2 42.4



Abundance Ion 82.00 (81.70 to 82.70): BN010815.D (-707) (-)

Ion 128.00 (127.70 to 128.70): BN010815.D (-707) (-)

Ion 54.00 (53.70 to 54.70): BN010815.D (-707) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.349 ng

RT: 11.90 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BN010844.D

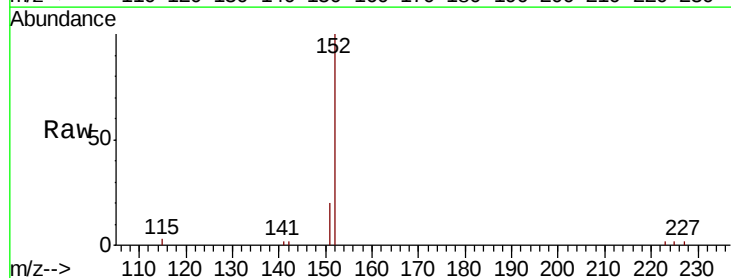
Acq: 12 Jun 2020 13:33

Tgt Ion: 152 Resp: 5273

Ion Ratio Lower Upper

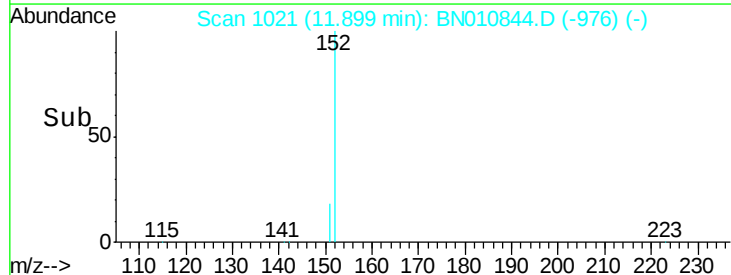
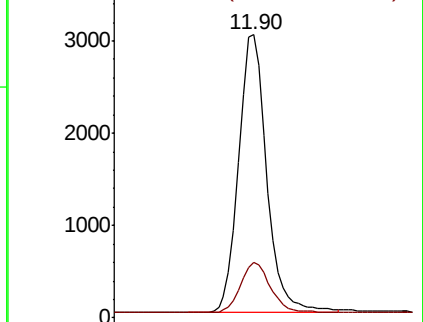
152 100

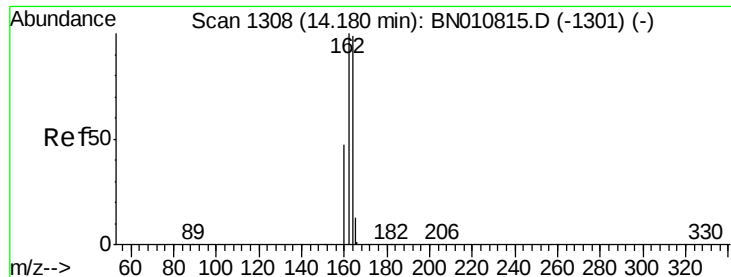
151 19.8 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): BN010815.D (-1009) (-)

Ion 151.00 (150.70 to 151.70): BN010815.D (-1009) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.17 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BN010844.D

Acq: 12 Jun 2020 13:33

Instrument :

BNA\_N

ClientSampleId :

RE132D1-20200608

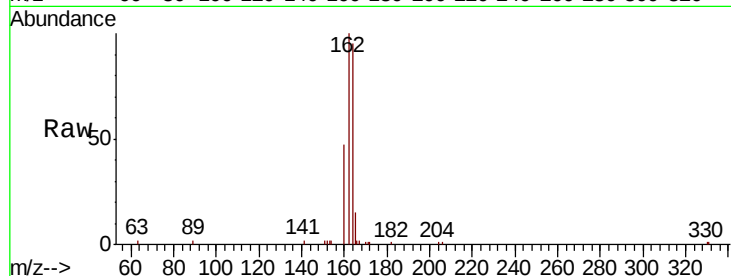
Tot Ion:164 Resp: 5444

Ion Ratio Lower Upper

164 100

162 104.9 81.0 121.6

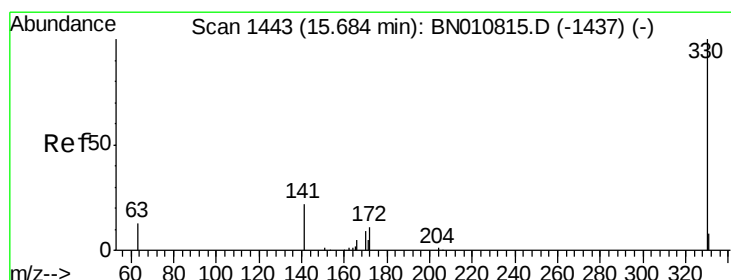
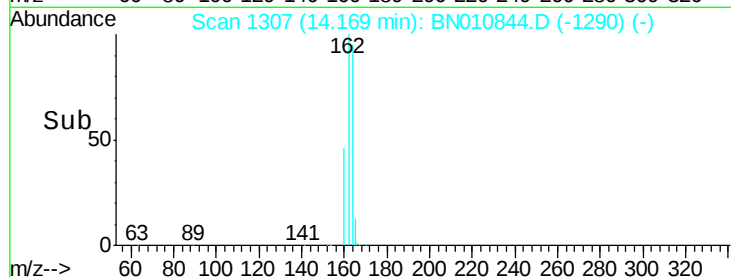
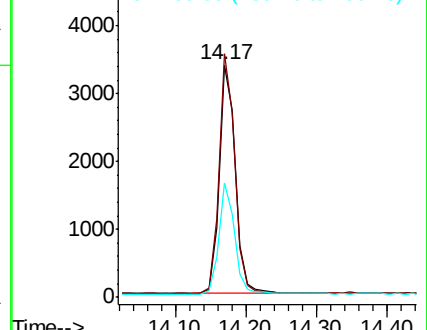
160 49.5 38.9 58.3



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: 0.360 ng

RT: 15.68 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BN010844.D

Acq: 12 Jun 2020 13:33

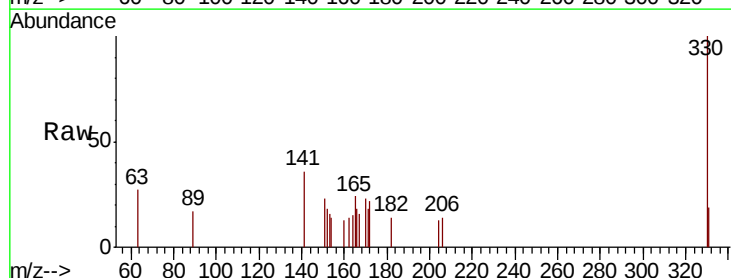
Tgt Ion:330 Resp: 701

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

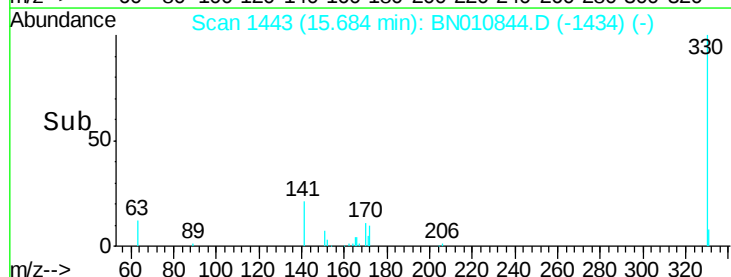
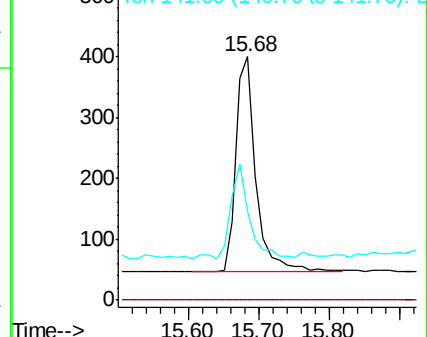
141 41.1 33.2 49.8

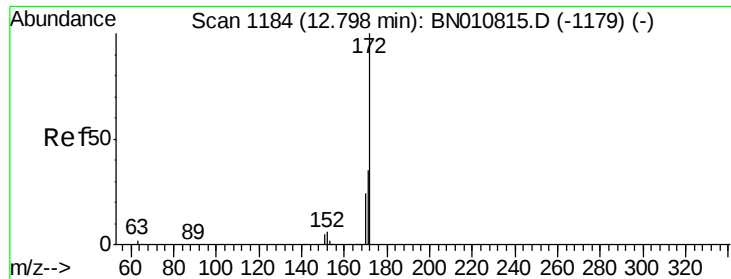


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

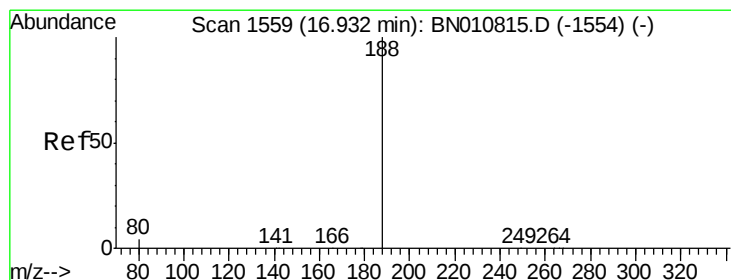
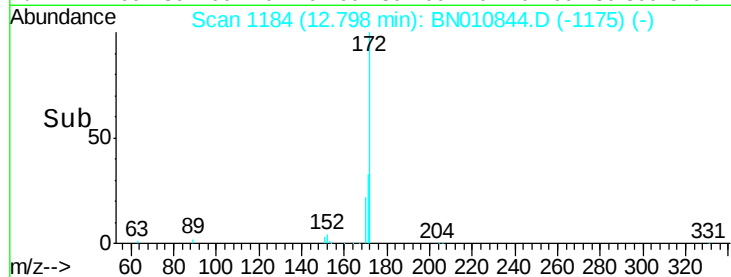
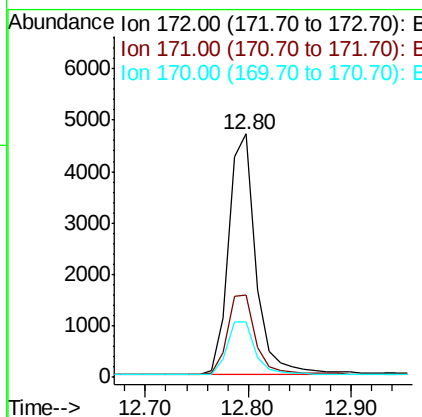
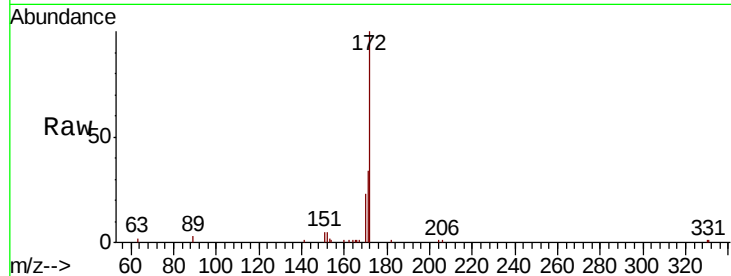




#15  
2-Fluorobiphenyl  
Concen: 0.403 ng  
RT: 12.80 min Scan# 1184  
Delta R.T. 0.00 min  
Lab File: BN010844.D  
Acq: 12 Jun 2020 13:33

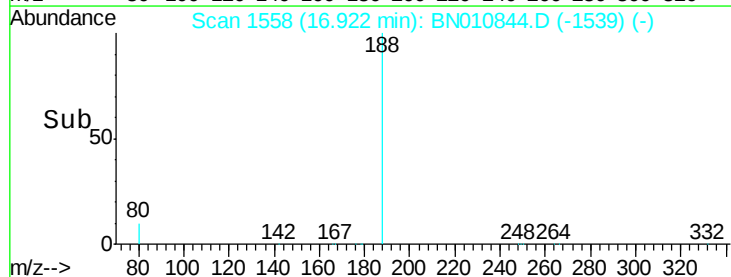
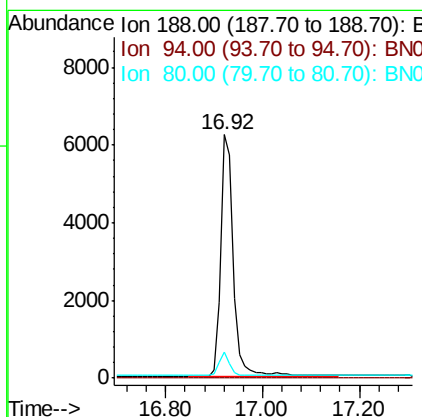
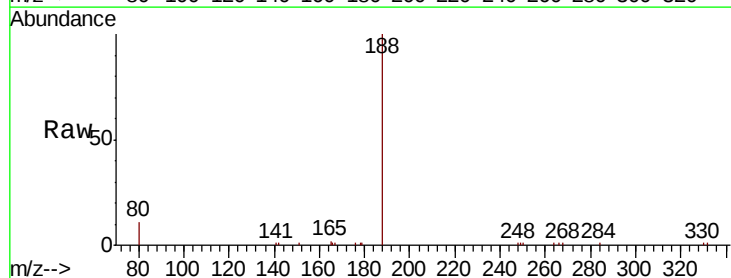
Instrument :  
BNA\_N  
ClientSampleId :  
RE132D1-20200608

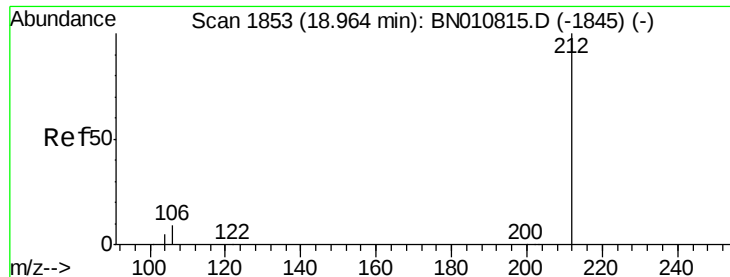
Tot Ion:172 Resp: 8647  
Ion Ratio Lower Upper  
172 100  
171 33.8 28.5 42.7  
170 22.7 19.7 29.5



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.92 min Scan# 1558  
Delta R.T. 0.00 min  
Lab File: BN010844.D  
Acq: 12 Jun 2020 13:33

Tgt Ion:188 Resp: 11258  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.6 4.5 6.7#





#25

Fluoranthene-d10

Concen: 0.377 ng

RT: 18.96 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BN010844.D

Acq: 12 Jun 2020 13:33

Instrument :

BNA\_N

ClientSampleId :

RE132D1-20200608

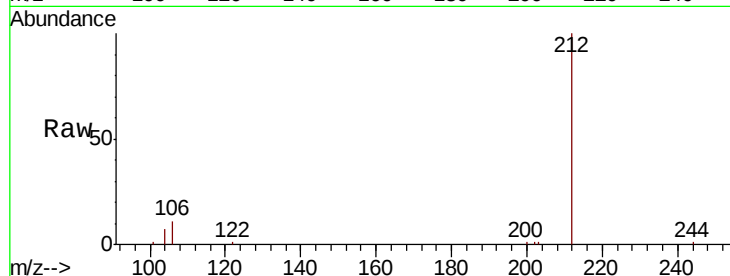
Tot Ion:212 Resp: 11701

Ion Ratio Lower Upper

212 100

106 10.7 6.6 10.0#

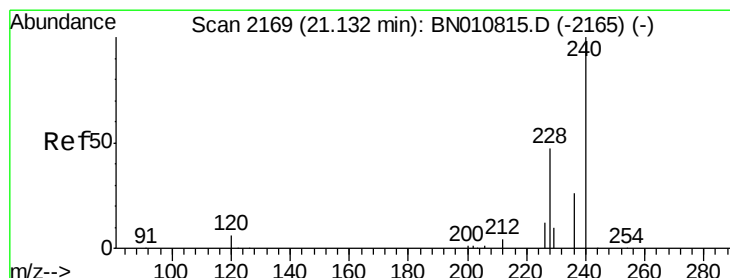
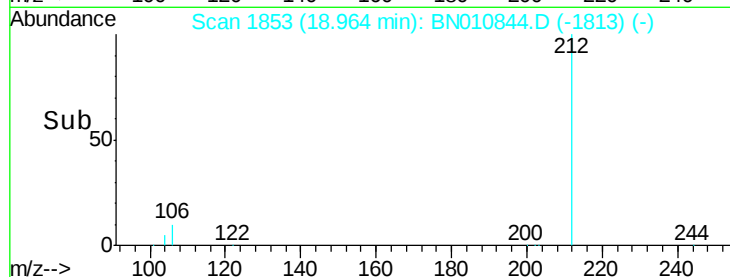
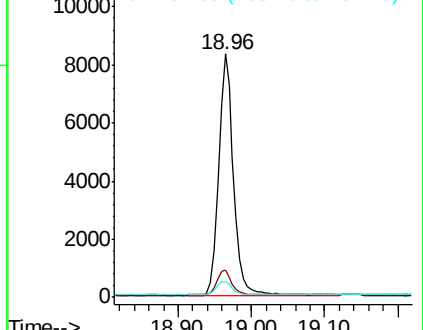
104 5.8 4.0 6.0



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: 21.13 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BN010844.D

Acq: 12 Jun 2020 13:33

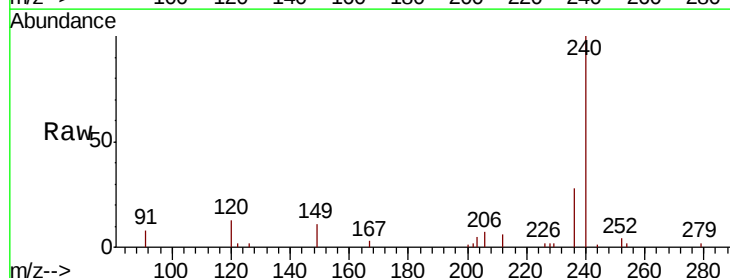
Tgt Ion:240 Resp: 10649

Ion Ratio Lower Upper

240 100

120 12.5 7.5 11.3#

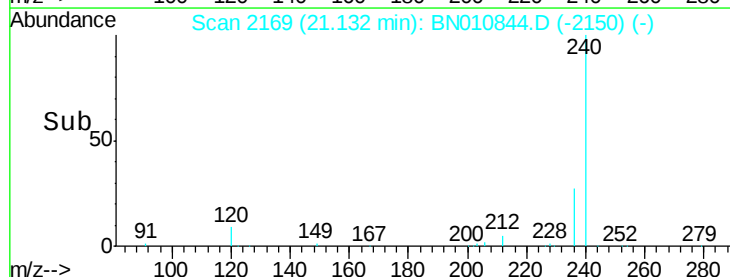
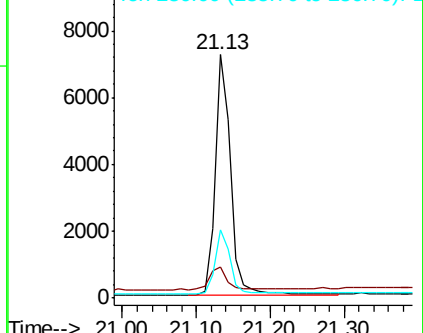
236 28.3 22.3 33.5

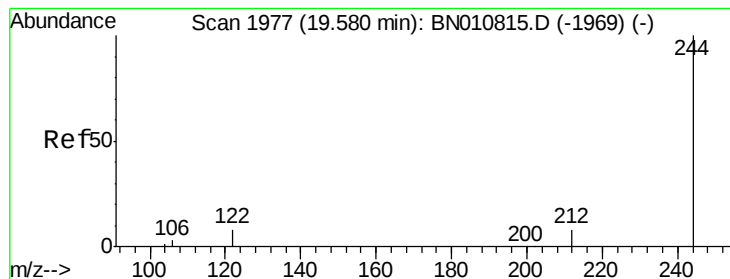


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

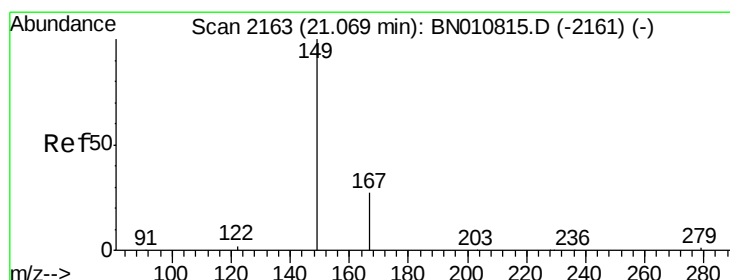
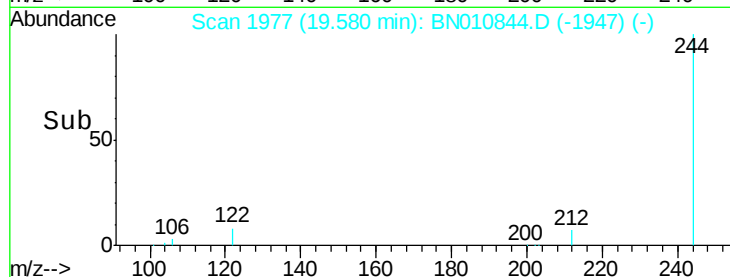
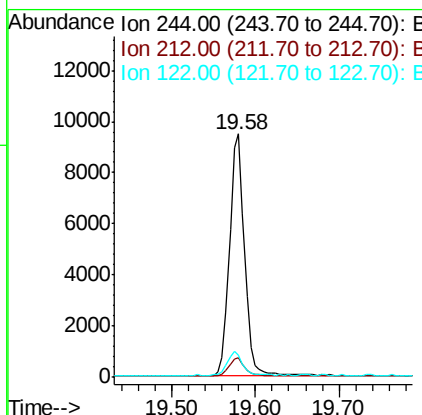
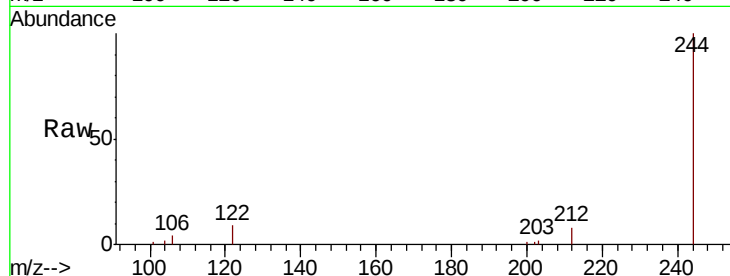




#29  
 Terphenyl-d14  
 Concen: 0.476 ng  
 RT: 19.58 min Scan# 1977  
 Delta R.T. 0.00 min  
 Lab File: BN010844.D  
 Acq: 12 Jun 2020 13:33

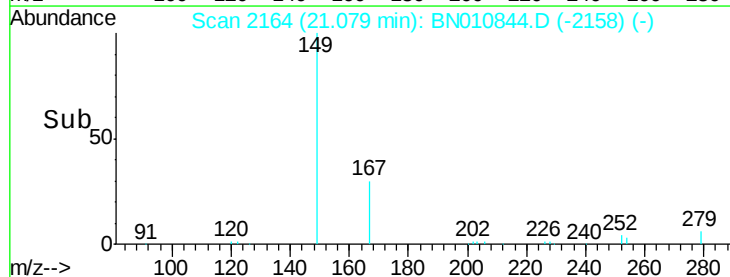
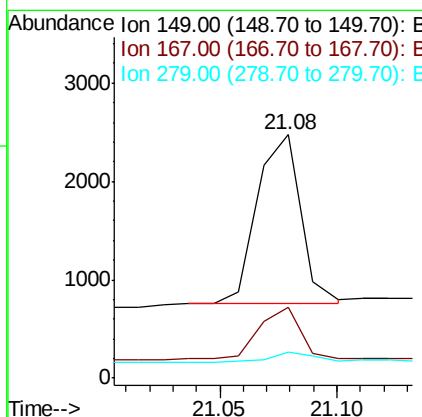
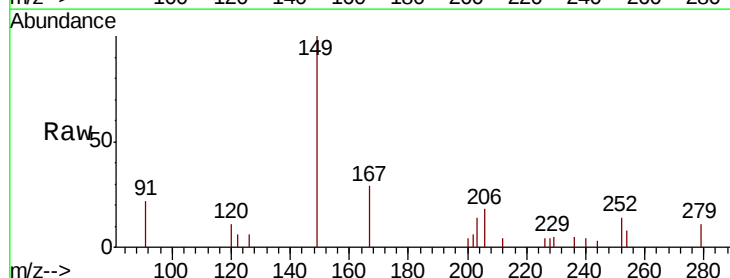
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D1-20200608

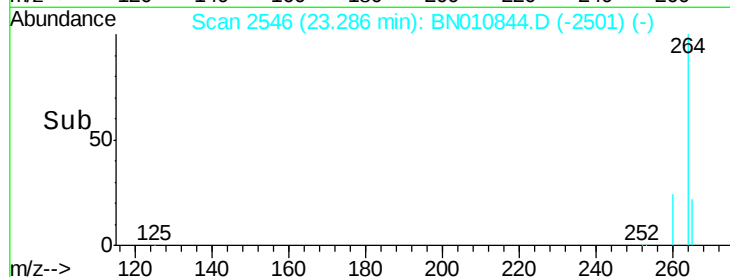
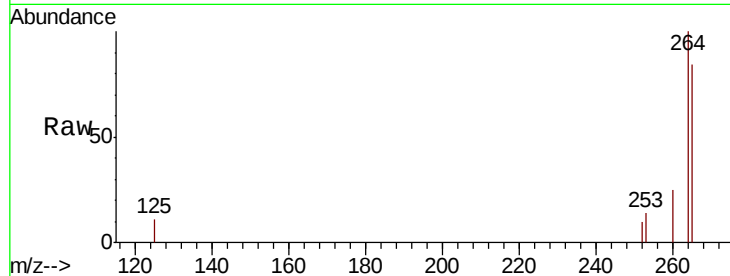
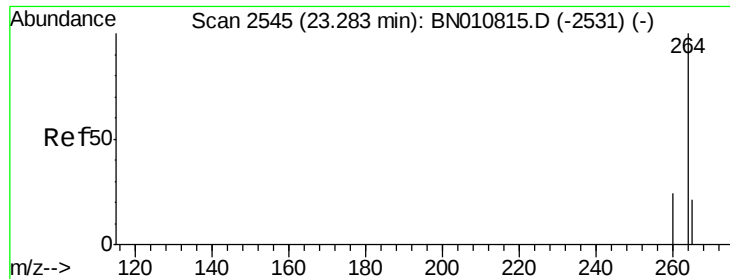
Tot Ion:244 Resp: 11857  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 7.4 11.2  
 122 9.0 7.5 11.3



#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.215 ng  
 RT: 21.08 min Scan# 2164  
 Delta R.T. 0.01 min  
 Lab File: BN010844.D  
 Acq: 12 Jun 2020 13:33

Tgt Ion:149 Resp: 2240  
 Ion Ratio Lower Upper  
 149 100  
 167 28.5 24.1 36.1  
 279 6.0 4.6 7.0

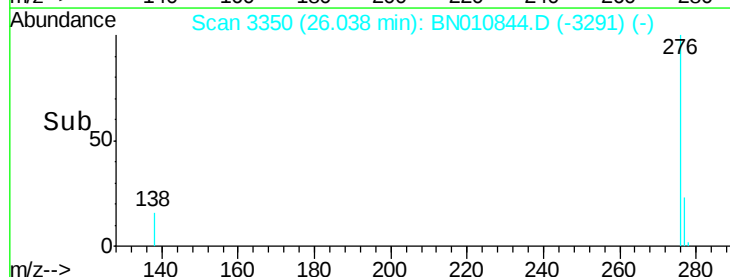
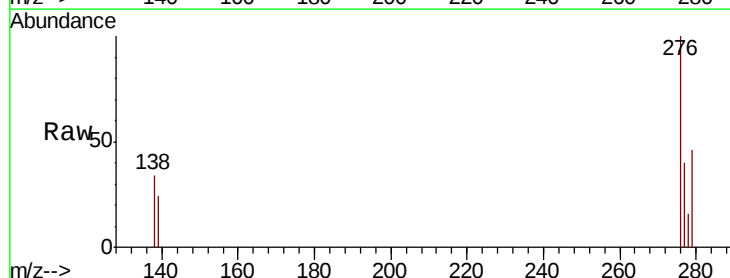
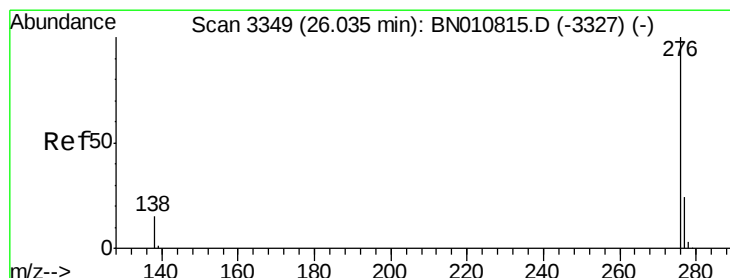
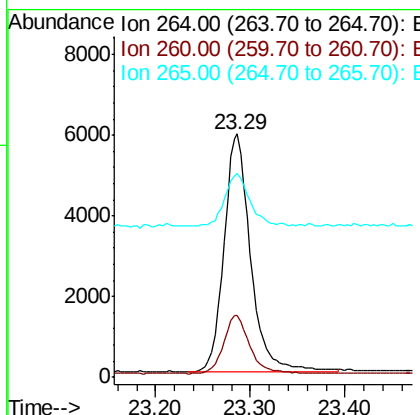




#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.29 min Scan# 2546  
 Delta R.T. 0.00 min  
 Lab File: BN010844.D  
 Acq: 12 Jun 2020 13:33

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D1-20200608

Tot Ion:264 Resp: 11527  
 Ion Ratio Lower Upper  
 264 100  
 260 25.2 20.4 30.6  
 265 83.6 75.0 112.4



#39  
 Benzo(g,h,i)perylene  
 Concen: 0.043 ng  
 RT: 26.04 min Scan# 3350  
 Delta R.T. 0.00 min  
 Lab File: BN010844.D  
 Acq: 12 Jun 2020 13:33

Tgt Ion:276 Resp: 1730  
 Ion Ratio Lower Upper  
 276 100  
 277 40.2 20.5 30.7#  
 138 34.3 13.7 20.5#

