

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061620\  
 Data File : BN010917.D  
 Acq On : 16 Jun 2020 21:15  
 Operator : CG/JU  
 Sample : L3011-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE109D2-20200611

Quant Time: Jun 17 03:35:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 16 08:49:35 2020  
 Response via : Initial Calibration

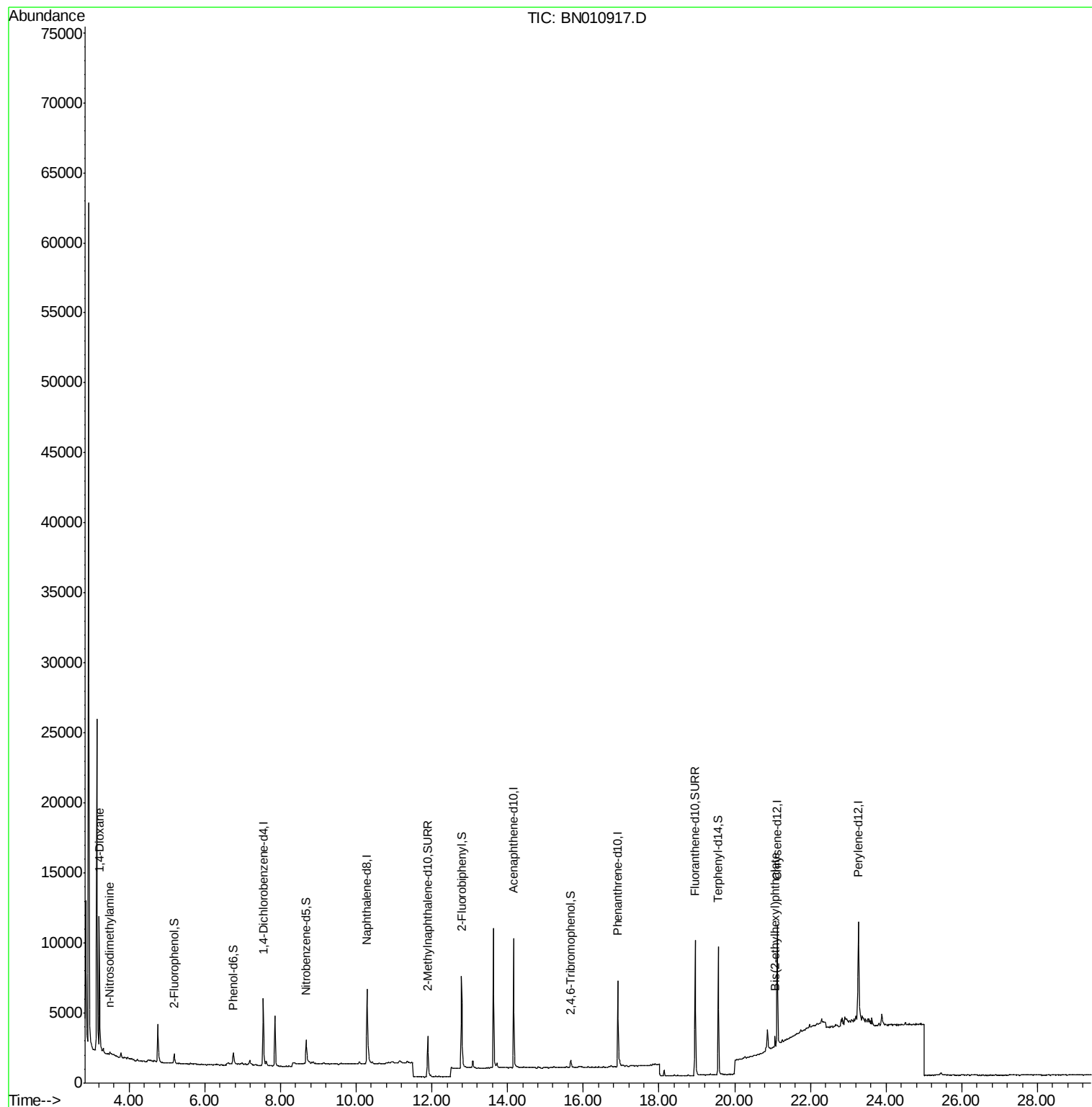
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.54  | 152  | 2517     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.29 | 136  | 8740     | 0.40  | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.16 | 164  | 5366     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.92 | 188  | 9865     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.12 | 240  | 9043     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.27 | 264  | 10059    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.20  | 112  | 742      | 0.15  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.74  | 99   | 561      | 0.10  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.68  | 82   | 2133     | 0.33  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.89 | 152  | 5048     | 0.37  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.67 | 330  | 558      | 0.29  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 12.78 | 172  | 6687     | 0.32  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.96 | 212  | 12672    | 0.47  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.57 | 244  | 9714     | 0.46  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.22  | 88   | 7680     | 3.115 | ng    | 99       |
| 3) n-Nitrosodimethylamine      | 3.48  | 42   | 53       | 0.037 | ng    | # 1      |
| 32) Bis(2-ethylhexyl)phthalate | 21.06 | 149  | 800      | 0.090 | ng    | 94       |

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

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QLast Update : Tue Jun 16 08:49:35 2020  
Response via : Initial Calibration



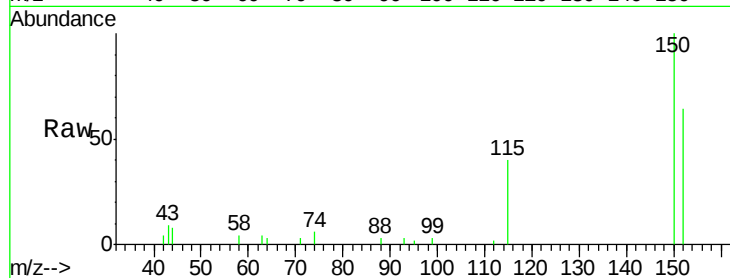


#1

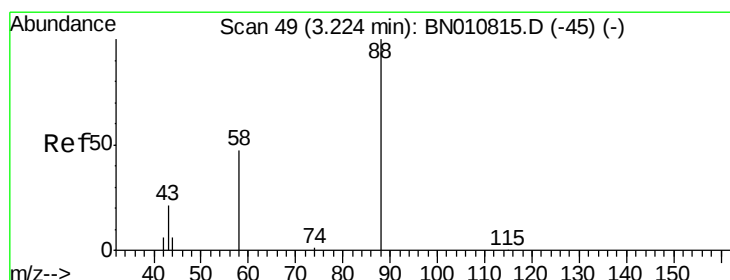
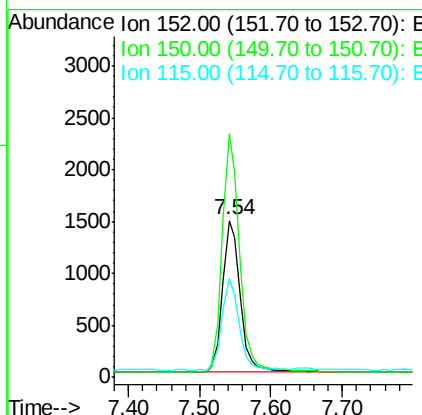
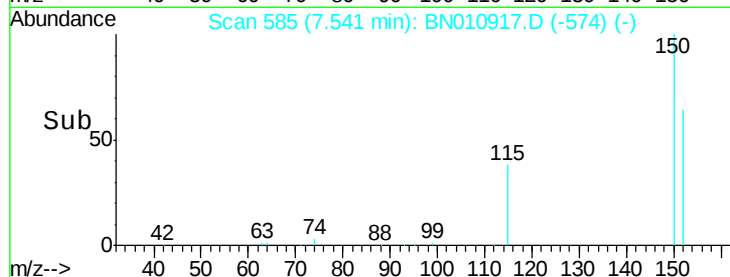
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.54 min Scan# 585  
Delta R.T. -0.01 min  
Lab File: BN010917.D  
Acq: 16 Jun 2020 21:15

Instrument :  
BNA\_N  
ClientSampleId :  
RE109D2-20200611

Tot Ion:152 Resp: 2517  
Ion Ratio Lower Upper  
152 100  
150 155.4 123.8 185.6  
115 62.8 49.2 73.8



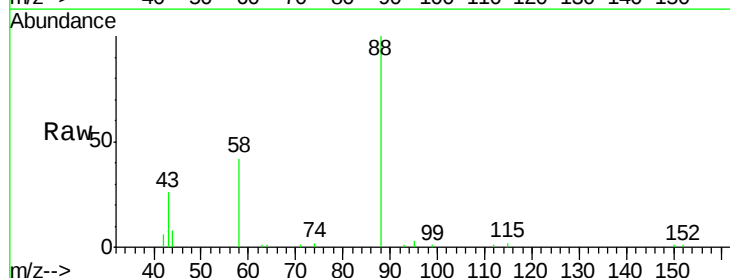
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



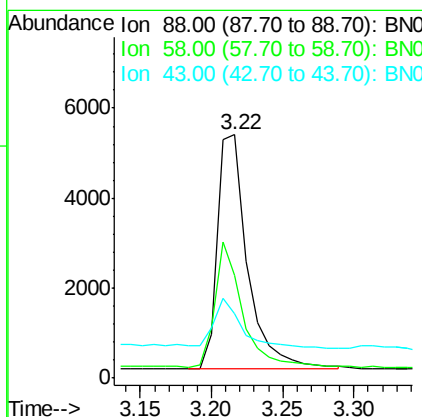
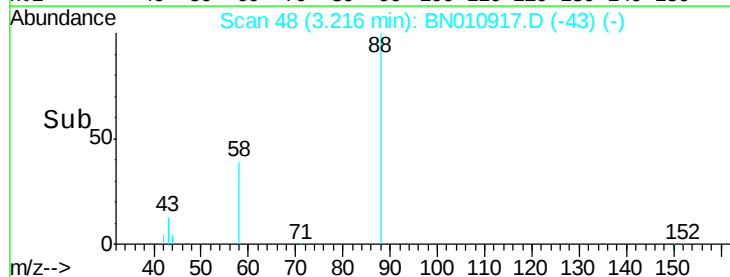
#2

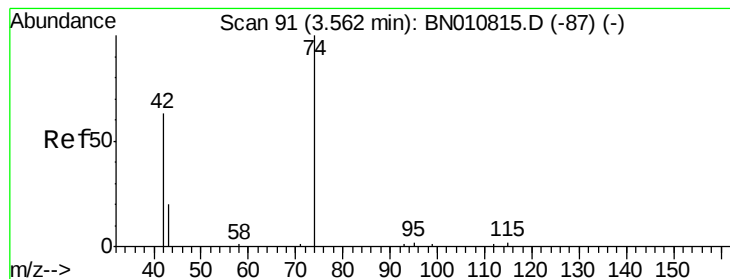
1,4-Dioxane  
Concen: 3.115 ng  
RT: 3.22 min Scan# 48  
Delta R.T. -0.01 min  
Lab File: BN010917.D  
Acq: 16 Jun 2020 21:15

Tgt Ion: 88 Resp: 7680  
Ion Ratio Lower Upper  
88 100  
58 47.4 38.2 57.4  
43 19.4 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



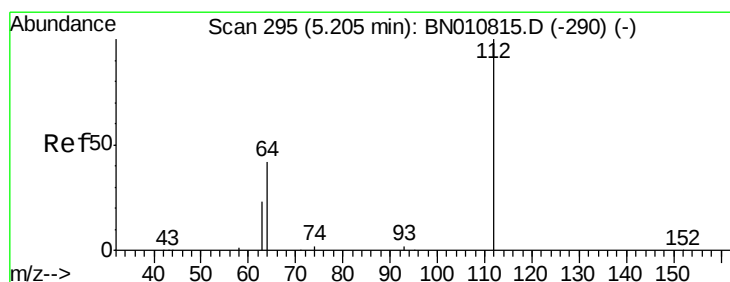
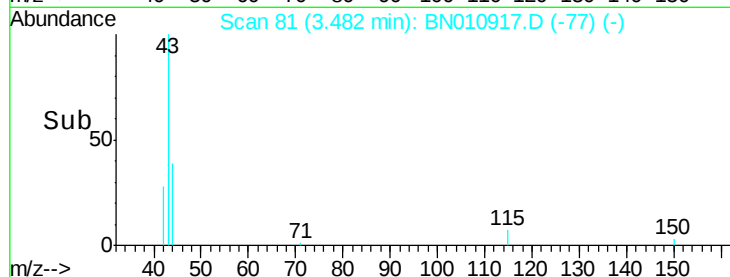
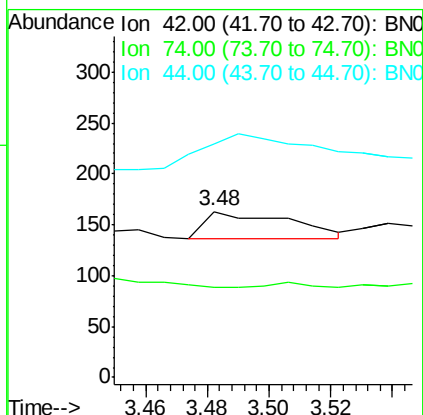
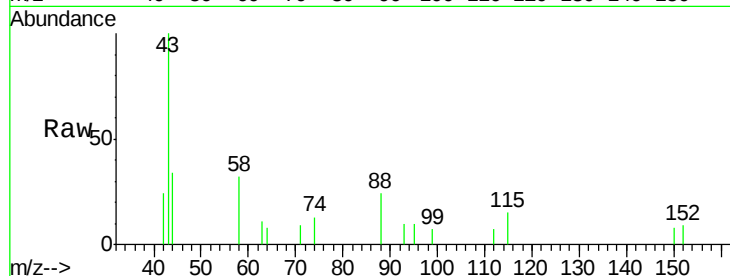


#3

n-Nitrosodimethylamine  
 Concen: 0.037 ng  
 RT: 3.48 min Scan# 81  
 Delta R.T. -0.06 min  
 Lab File: BN010917.D  
 Acq: 16 Jun 2020 21:15

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE109D2-20200611

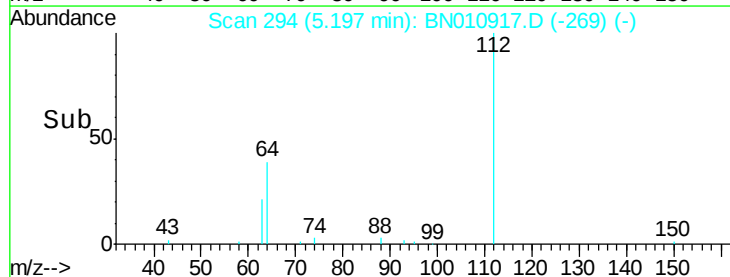
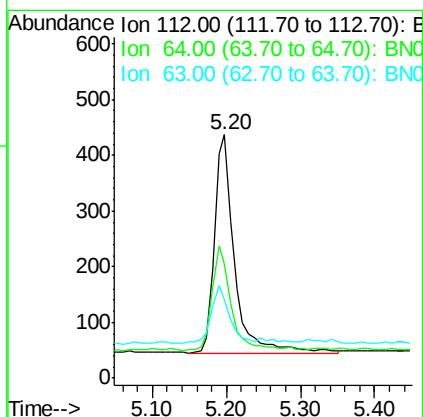
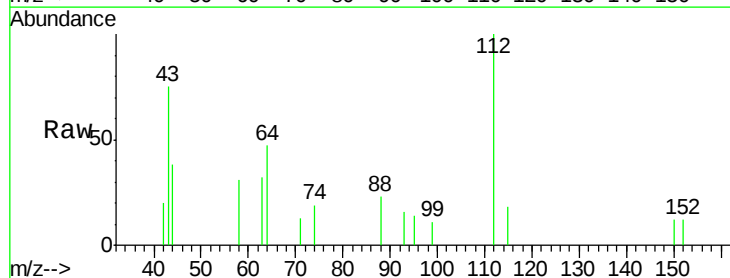
Tot Ion: 42 Resp: 53  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 140.7 211.1#  
 44 196.2 1.4 2.2#



#4

2-Fluorophenol  
 Concen: 0.153 ng  
 RT: 5.20 min Scan# 294  
 Delta R.T. 0.00 min  
 Lab File: BN010917.D  
 Acq: 16 Jun 2020 21:15

Tgt Ion: 112 Resp: 742  
 Ion Ratio Lower Upper  
 112 100  
 64 45.4 37.4 56.0  
 63 24.1 22.2 33.4





#5

Phenol-d6

Concen: 0.098 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BN010917.D

Acq: 16 Jun 2020 21:15

Instrument :

BNA\_N

ClientSampleId :

RE109D2-20200611

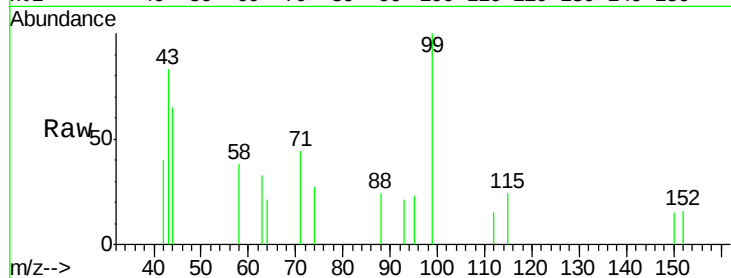
Tot Ion: 99 Resp: 561

Ion Ratio Lower Upper

99 100

42 28.9 11.1 16.7#

71 40.1 31.4 47.2



Abundance Ion 99.00 (98.70 to 99.70): BN010815.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN010815.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN010815.D (-479) (-)

6.74

300

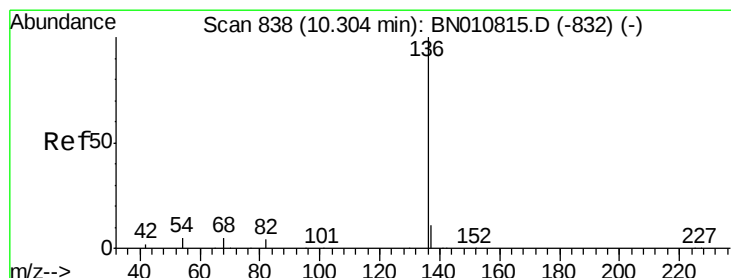
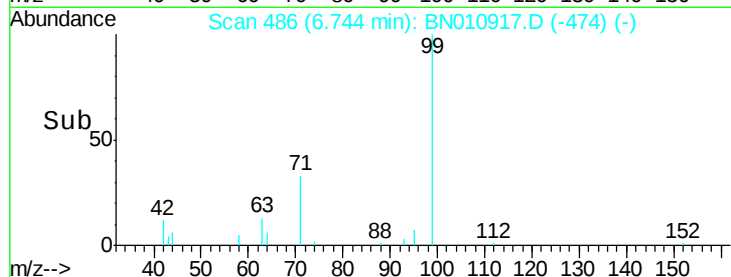
200

100

0

6.70 6.80

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.01 min

Lab File: BN010917.D

Acq: 16 Jun 2020 21:15

Tgt Ion: 136 Resp: 8740

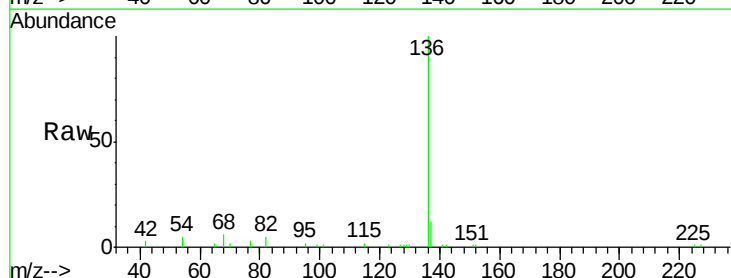
Ion Ratio Lower Upper

136 100

137 12.2 9.7 14.5

54 5.5 4.9 7.3

68 6.0 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) (-)

10.29

6000

5000

4000

3000

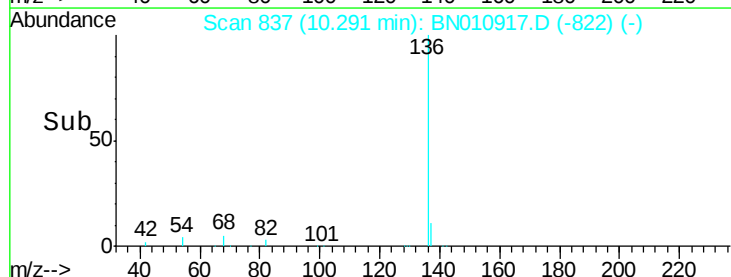
2000

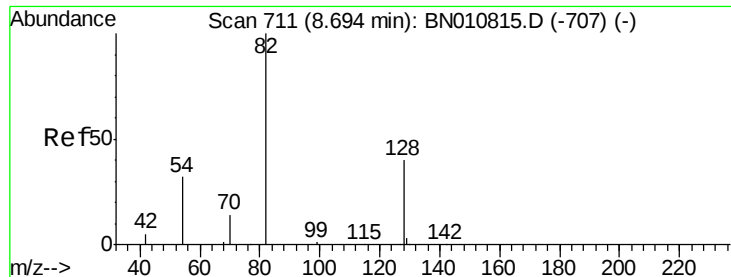
1000

0

10.20 10.40

Time-->

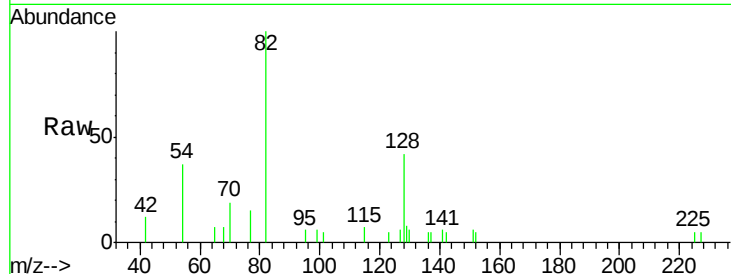




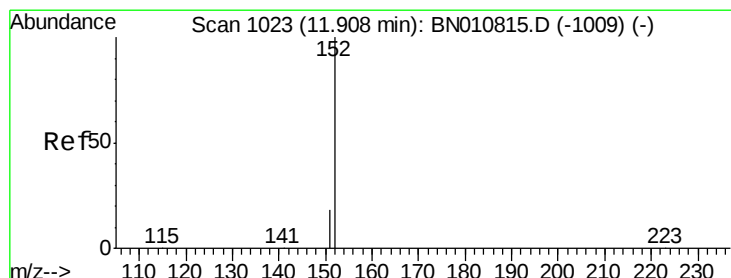
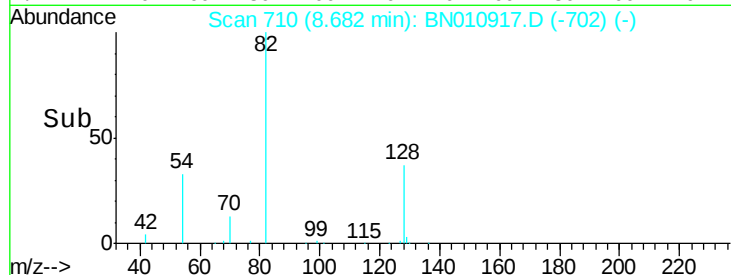
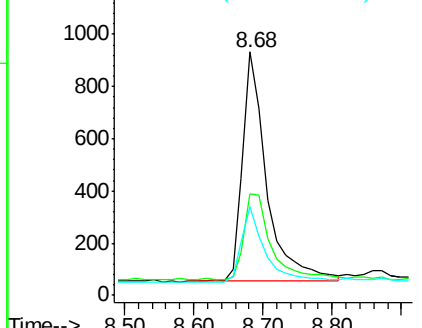
#8  
 Nitrobenzene-d5  
 Concen: 0.330 ng  
 RT: 8.68 min Scan# 710  
 Delta R.T. 0.00 min  
 Lab File: BN010917.D  
 Acq: 16 Jun 2020 21:15

Instrument :  
 BNA\_N  
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 RE109D2-20200611

| Tot Ion   | 82    | Resp  | 2133 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 41.8  | 35.4  | 53.0 |
| 54        | 36.7  | 28.2  | 42.4 |

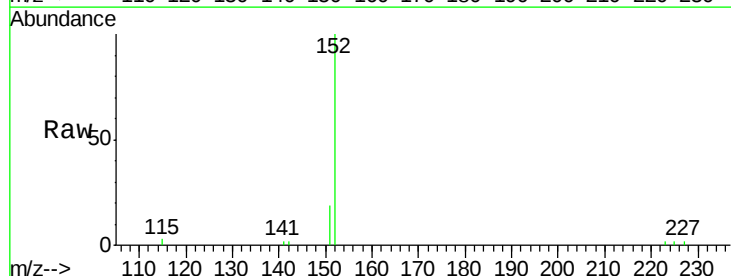


Abundance Ion 82.00 (81.70 to 82.70): BN010815.D (-707) (-)

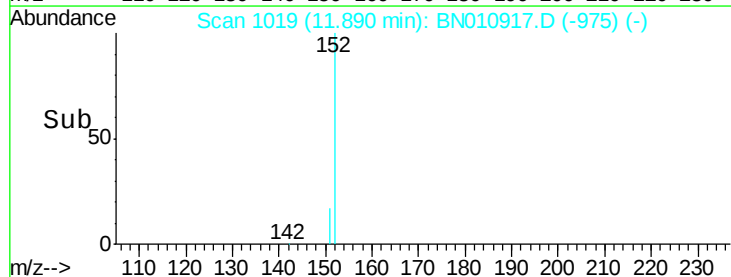
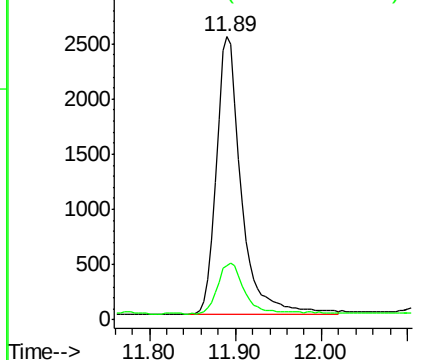


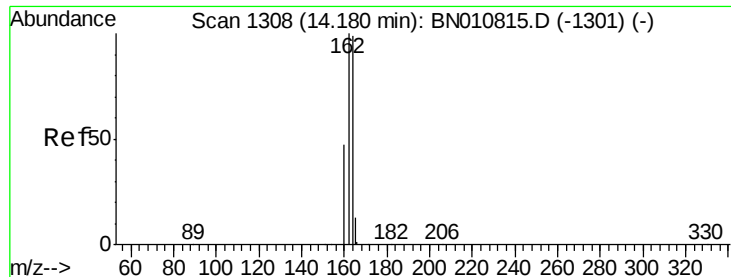
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.372 ng  
 RT: 11.89 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: BN010917.D  
 Acq: 16 Jun 2020 21:15

| Tgt Ion   | 152   | Resp  | 5048 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 19.6  | 15.3  | 22.9 |



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





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010917.D

Acq: 16 Jun 2020 21:15

Instrument :

BNA\_N

ClientSampleId :

RE109D2-20200611

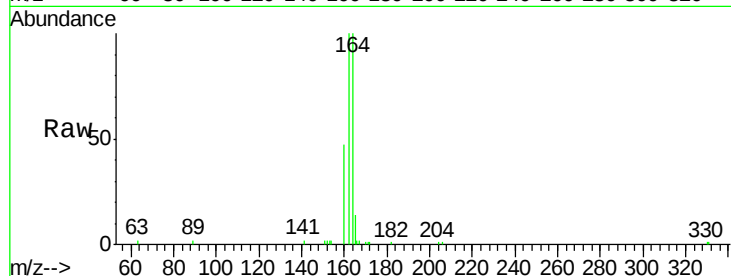
Tot Ion:164 Resp: 5366

Ion Ratio Lower Upper

164 100

162 100.4 81.0 121.6

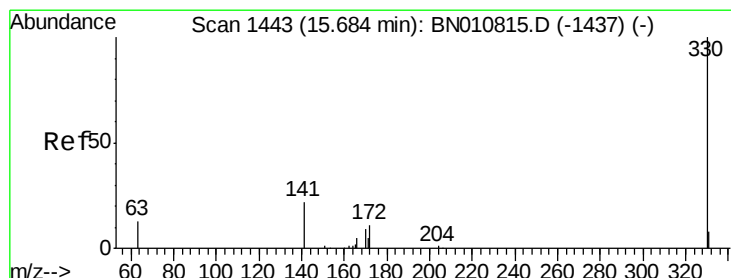
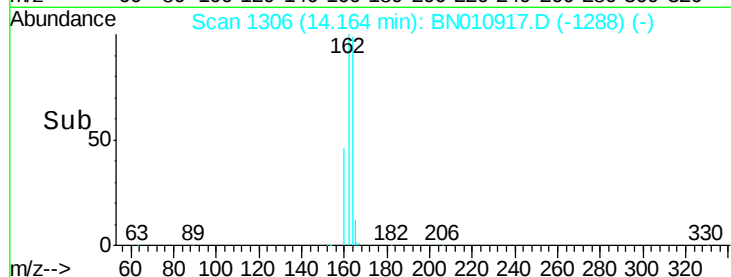
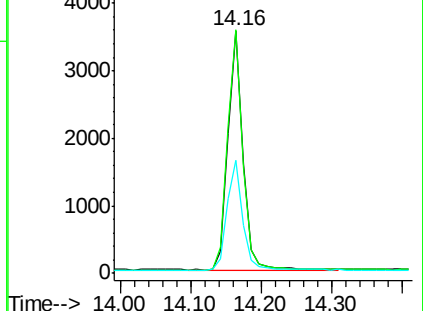
160 46.9 38.9 58.3



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: 0.291 ng

RT: 15.67 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BN010917.D

Acq: 16 Jun 2020 21:15

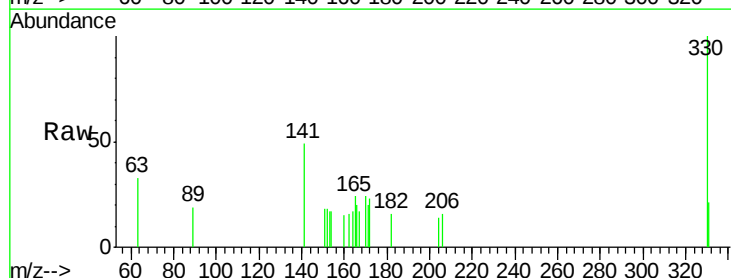
Tgt Ion:330 Resp: 558

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

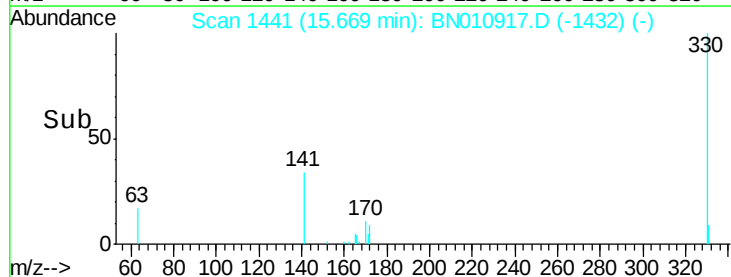
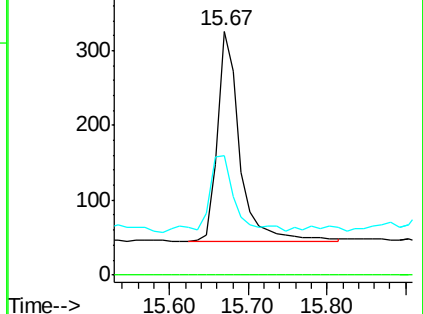
141 42.5 33.2 49.8

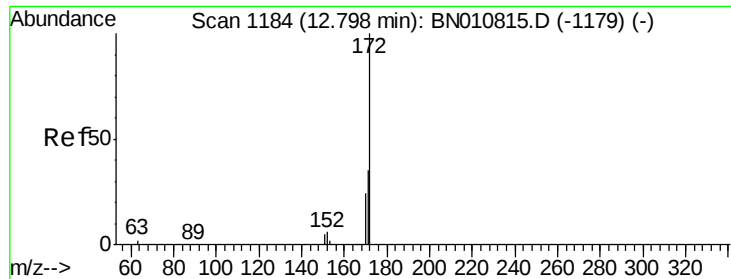


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

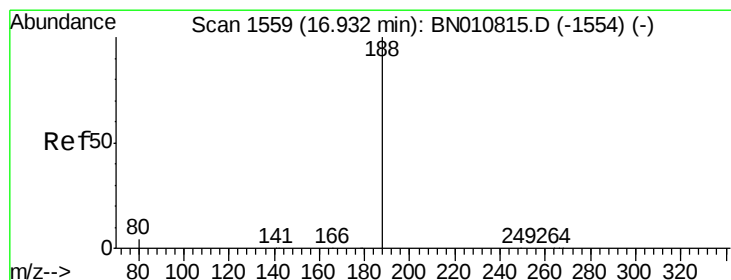
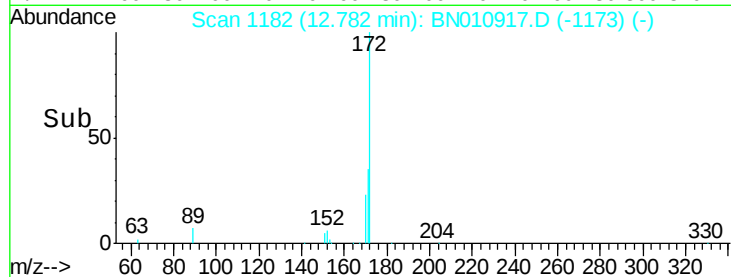
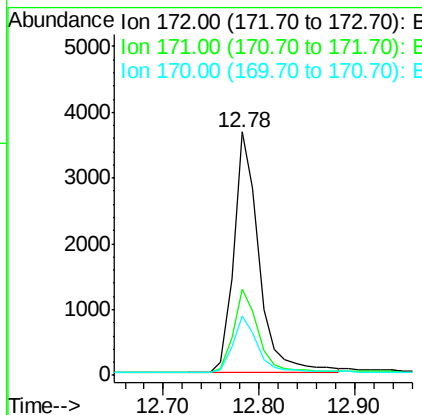
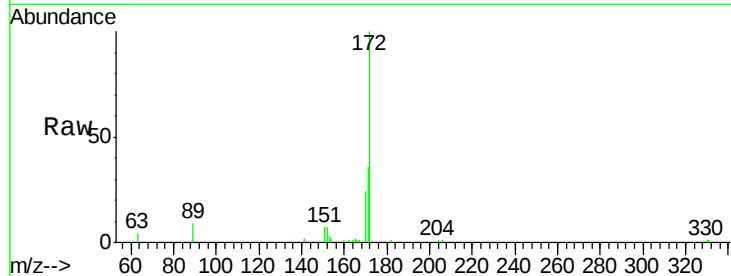




#15  
2-Fluorobiphenyl  
Concen: 0.316 ng  
RT: 12.78 min Scan# 1182  
Delta R.T. -0.00 min  
Lab File: BN010917.D  
Acq: 16 Jun 2020 21:15

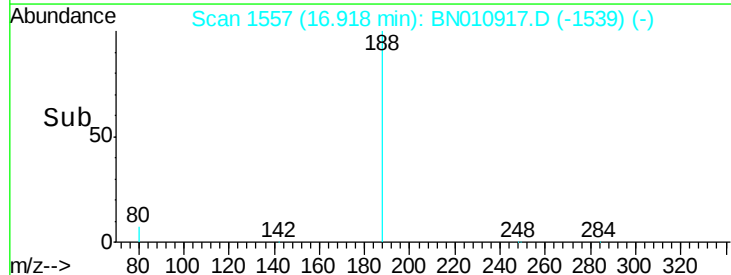
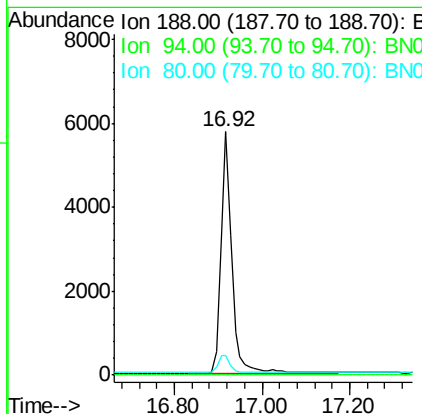
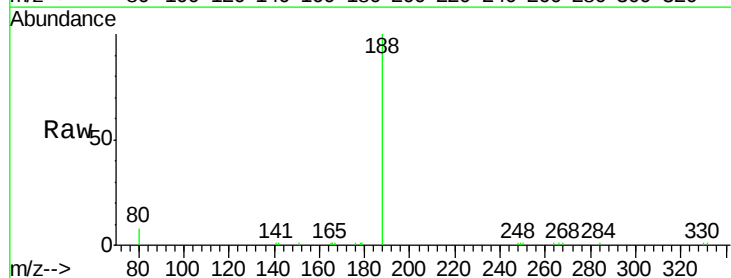
Instrument :  
BNA\_N  
ClientSampleId :  
RE109D2-20200611

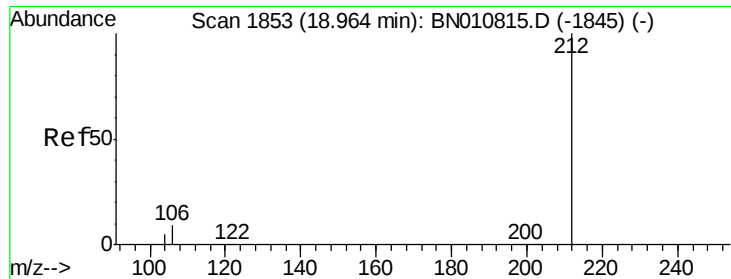
Tot Ion:172 Resp: 6687  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.5 42.7  
170 24.2 19.7 29.5



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.92 min Scan# 1557  
Delta R.T. -0.00 min  
Lab File: BN010917.D  
Acq: 16 Jun 2020 21:15

Tgt Ion:188 Resp: 9865  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.9 4.5 6.7#





#25

Fluoranthene-d10

Concen: 0.465 ng

RT: 18.96 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BN010917.D

Acq: 16 Jun 2020 21:15

Instrument :

BNA\_N

ClientSampleId :

RE109D2-20200611

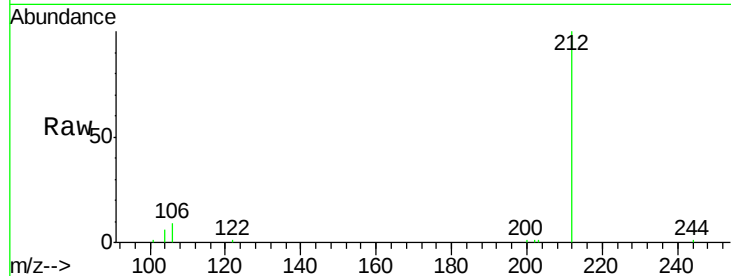
Tot Ion:212 Resp: 12672

Ion Ratio Lower Upper

212 100

106 9.6 6.6 10.0

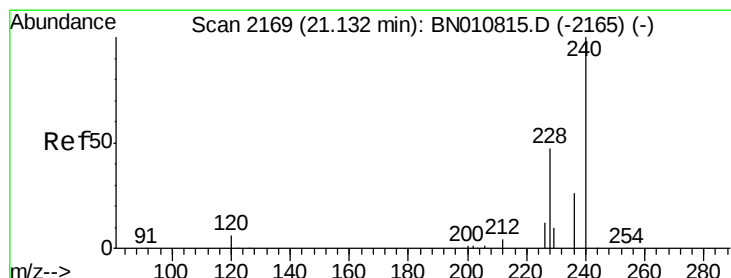
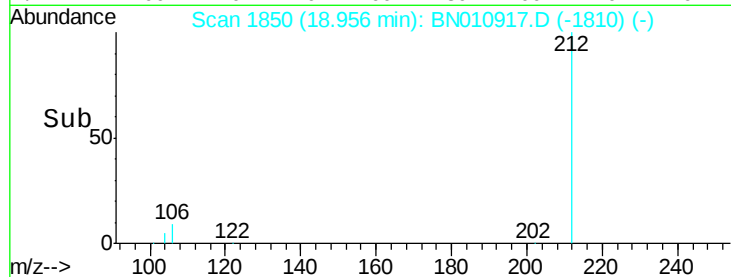
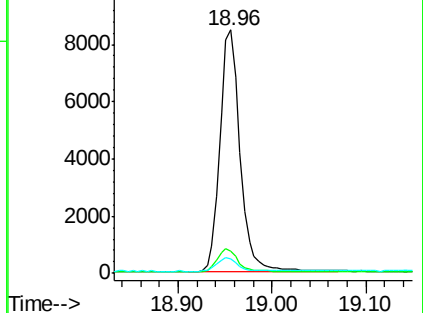
104 5.5 4.0 6.0



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: 21.12 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010917.D

Acq: 16 Jun 2020 21:15

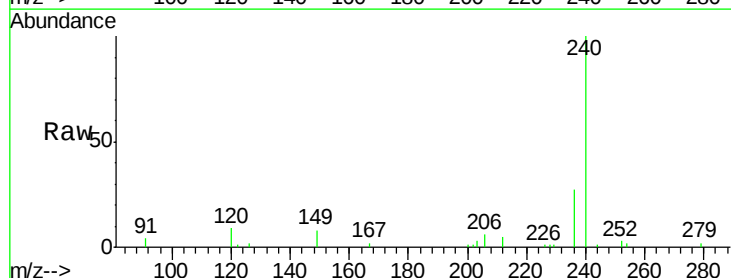
Tgt Ion:240 Resp: 9043

Ion Ratio Lower Upper

240 100

120 9.3 7.5 11.3

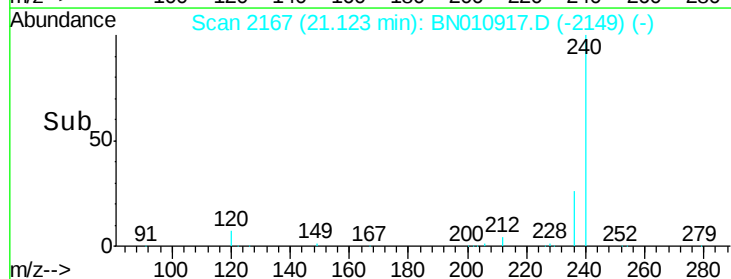
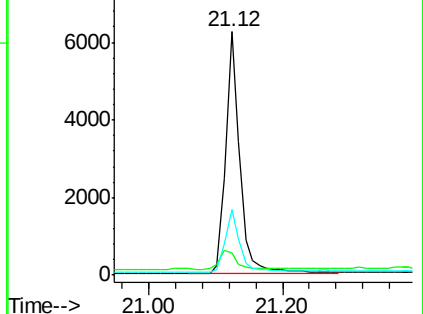
236 27.2 22.3 33.5

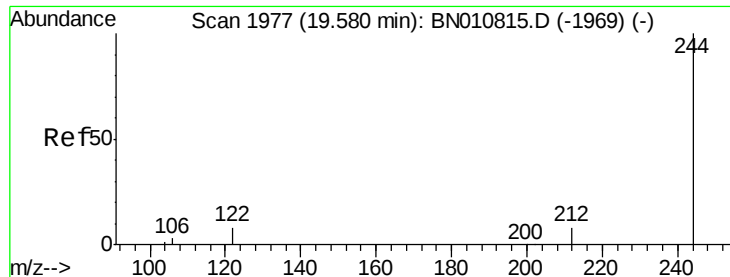


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.459 ng

RT: 19.57 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BN010917.D

Acq: 16 Jun 2020 21:15

Instrument :

BNA\_N

ClientSampleId :

RE109D2-20200611

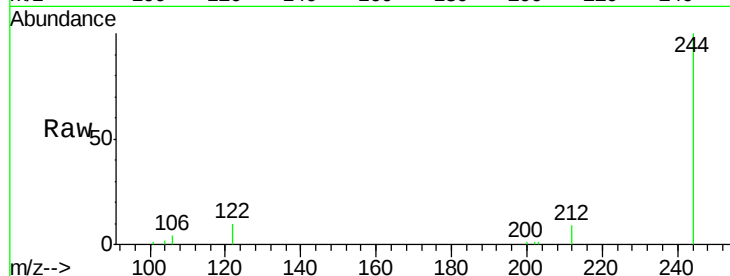
Tot Ion:244 Resp: 9714

Ion Ratio Lower Upper

244 100

212 8.6 7.4 11.2

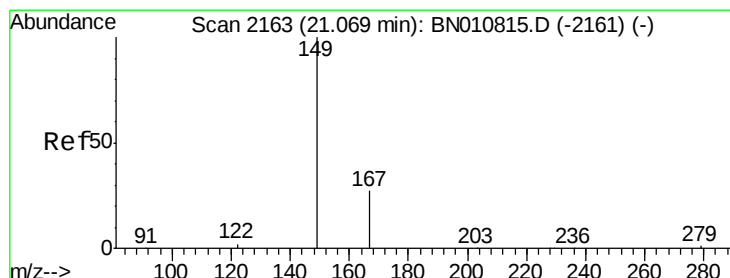
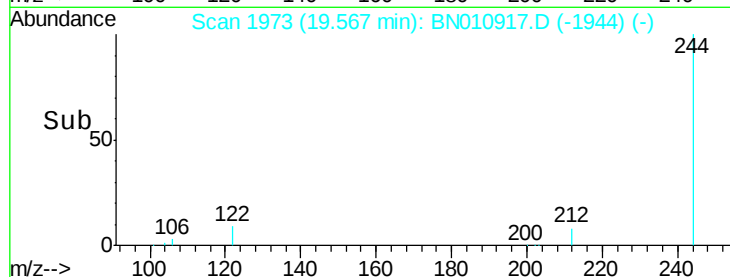
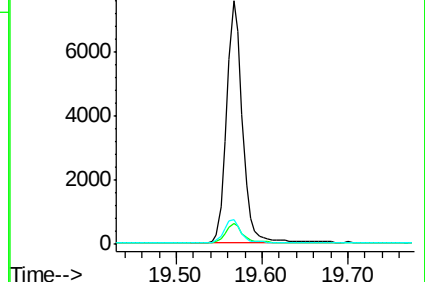
122 9.9 7.5 11.3



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: 0.090 ng

RT: 21.06 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN010917.D

Acq: 16 Jun 2020 21:15

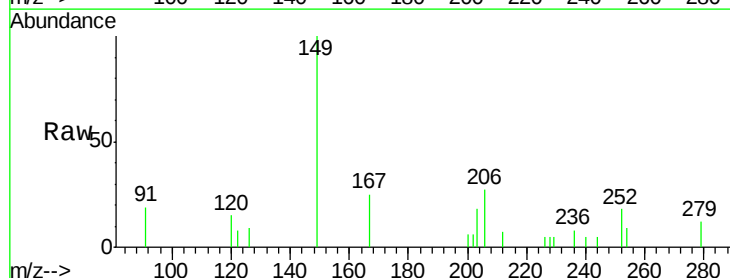
Tgt Ion:149 Resp: 800

Ion Ratio Lower Upper

149 100

167 26.3 24.1 36.1

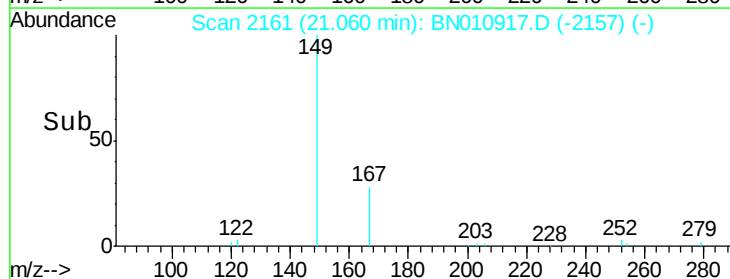
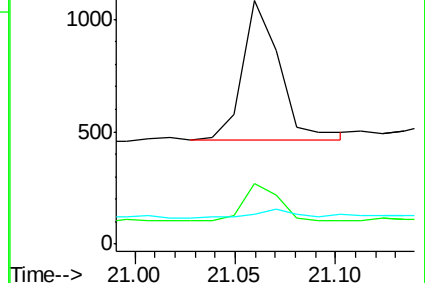
279 5.8 4.6 7.0

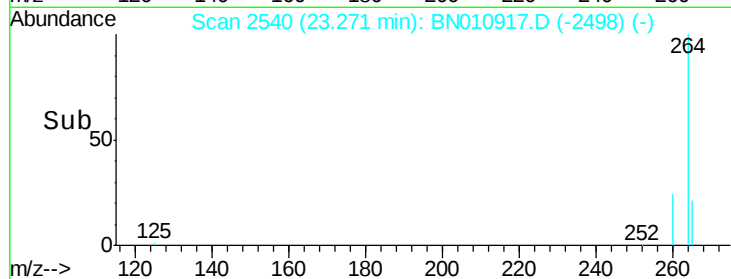
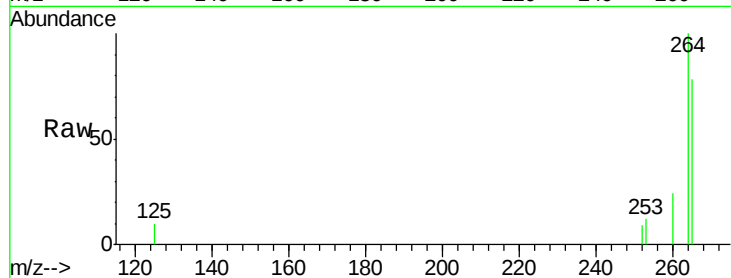


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.27 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BN010917.D

Acq: 16 Jun 2020 21:15

Instrument :

BNA\_N

ClientSampleId :

RE109D2-20200611

Tot Ion:264 Resp: 10059

Ion Ratio Lower Upper

264 100

260 24.2 20.4 30.6

265 78.0 75.0 112.4

