

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061620\  
 Data File : BN010934.D  
 Acq On : 17 Jun 2020 08:41  
 Operator : CG/JU  
 Sample : L3011-19  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE-DUP03-20200611

Quant Time: Jun 17 09:45:39 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

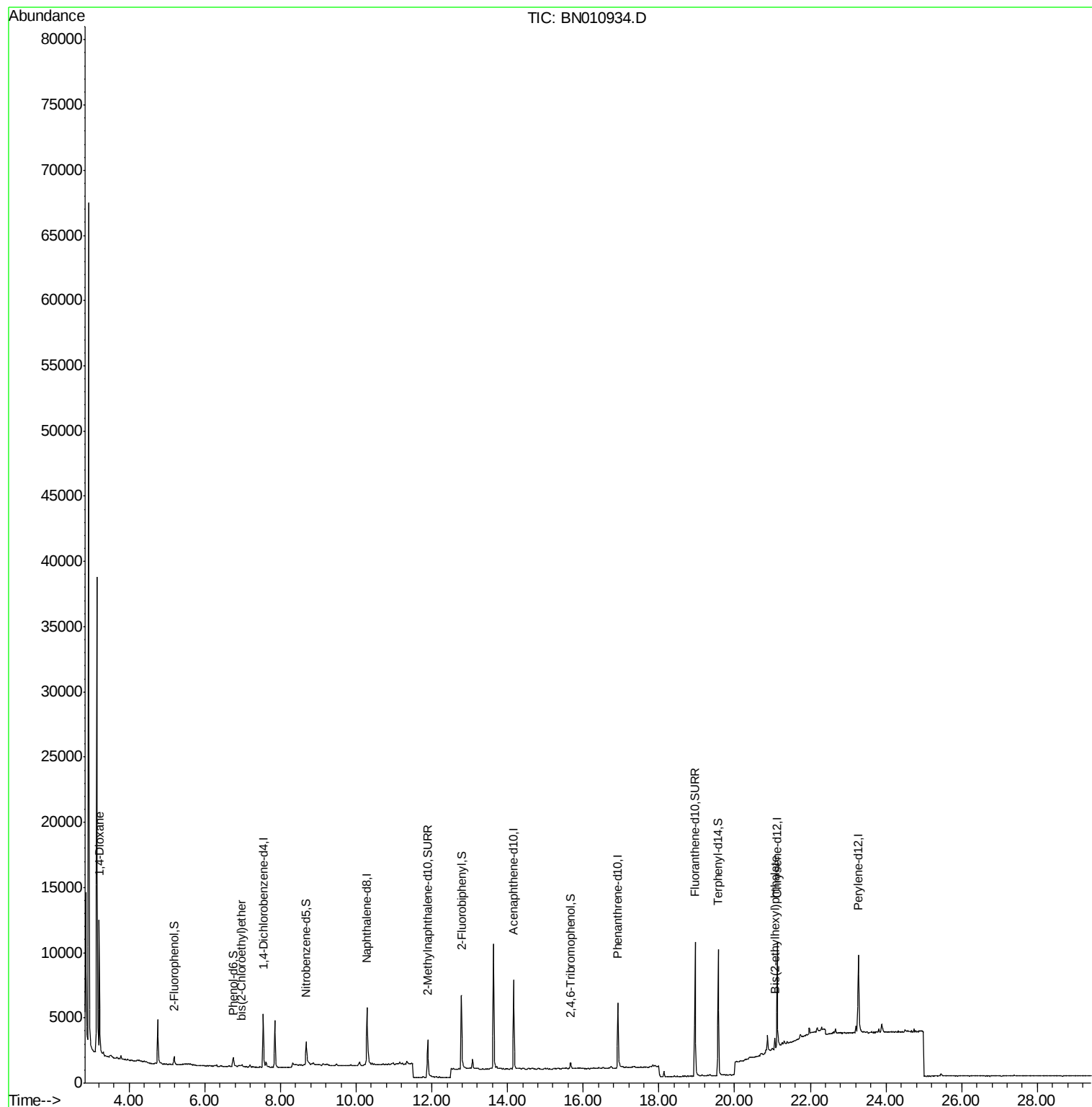
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.54  | 152  | 2115     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.29 | 136  | 7216     | 0.40  | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.16 | 164  | 4007     | 0.40  | ng    | -0.01    |
| 19) Phenanthrene-d10           | 16.91 | 188  | 8401     | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.12 | 240  | 8877     | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.27 | 264  | 8558     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.20  | 112  | 678      | 0.17  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.74  | 99   | 480      | 0.10  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.68  | 82   | 2325     | 0.44  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.89 | 152  | 4919     | 0.44  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.67 | 330  | 513      | 0.36  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 12.79 | 172  | 6537     | 0.41  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.95 | 212  | 13651    | 0.59  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.56 | 244  | 10059    | 0.48  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.21  | 88   | 7715     | 3.724 | ng    | 99       |
| 6) bis(2-Chloroethyl)ether     | 6.99  | 93   | 122      | 0.026 | ng    | # 85     |
| 32) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 977      | 0.112 | ng    | 94       |

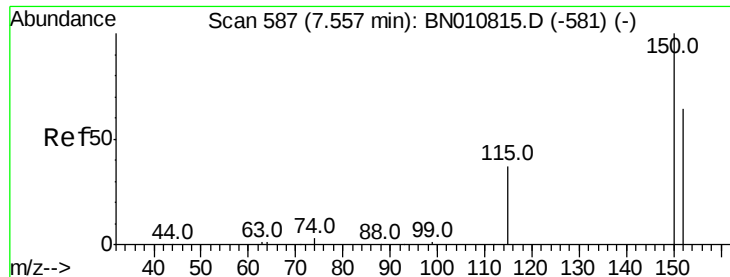
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061620\  
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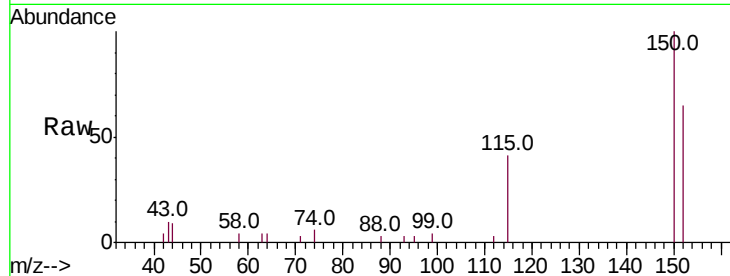




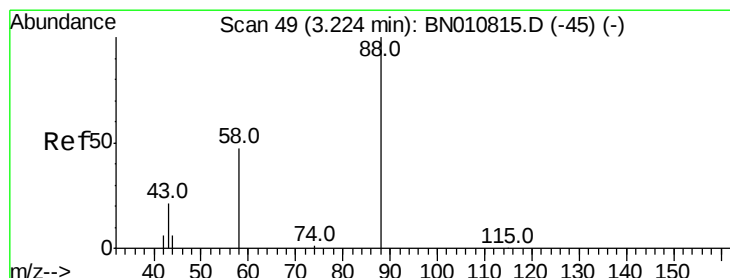
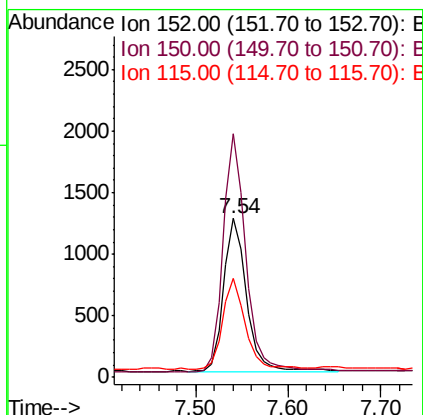
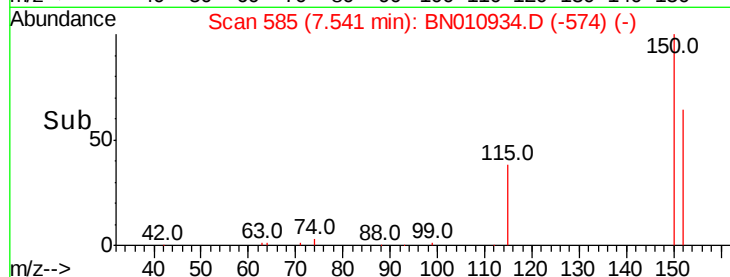
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.54 min Scan# 585  
 Delta R.T. -0.01 min  
 Lab File: BN010934.D  
 Acq: 17 Jun 2020 08:41

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE-DUP03-20200611

Tot Ion:152 Resp: 2115  
 Ion Ratio Lower Upper  
 152 100  
 150 153.4 123.8 185.6  
 115 62.3 49.2 73.8

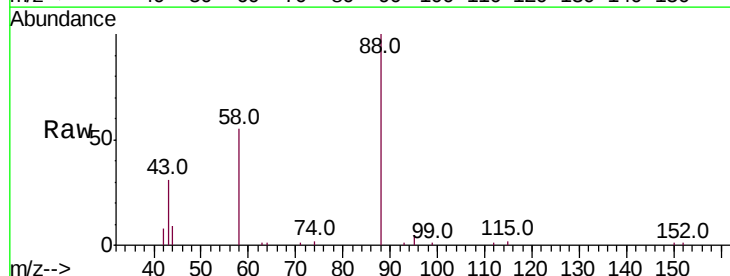


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

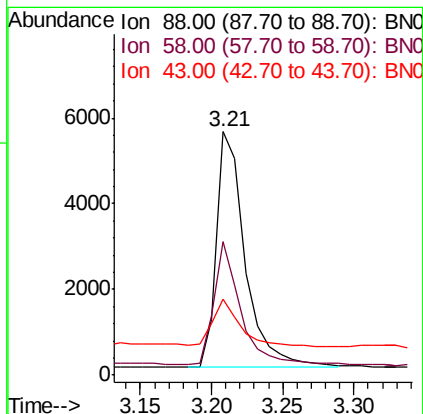
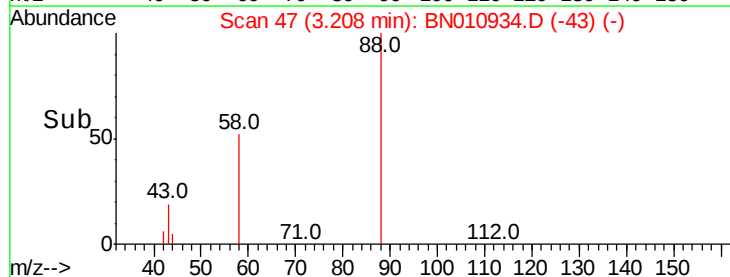


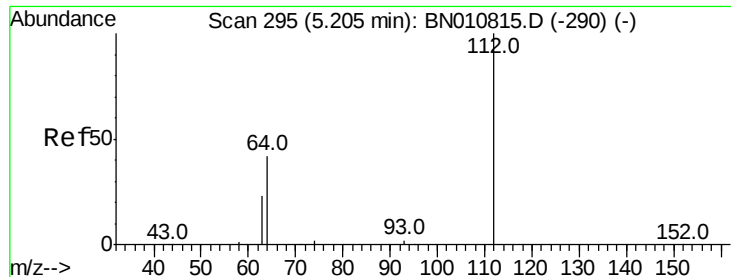
#2  
 1,4-Dioxane  
 Concen: 3.724 ng  
 RT: 3.21 min Scan# 47  
 Delta R.T. -0.02 min  
 Lab File: BN010934.D  
 Acq: 17 Jun 2020 08:41

Tgt Ion: 88 Resp: 7715  
 Ion Ratio Lower Upper  
 88 100  
 58 46.5 38.2 57.4  
 43 18.9 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: 0.166 ng

RT: 5.20 min Scan# 294

Delta R.T. 0.00 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

Instrument :

BNA\_N

ClientSampleId :

RE-DUP03-20200611

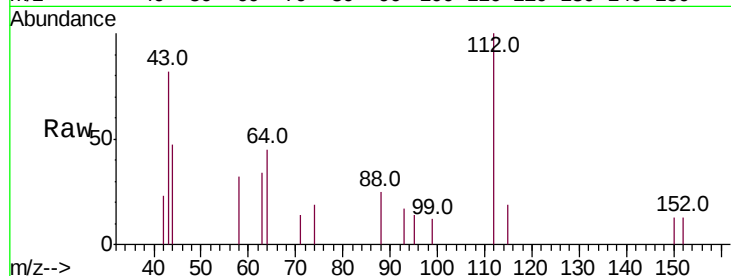
Tot Ion:112 Resp: 678

Ion Ratio Lower Upper

112 100

64 44.2 37.4 56.0

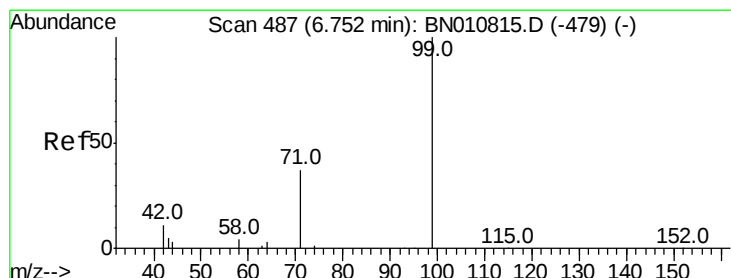
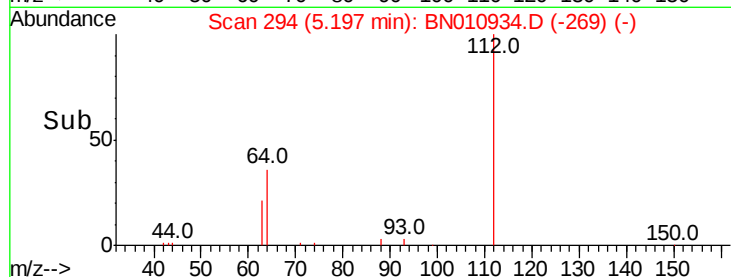
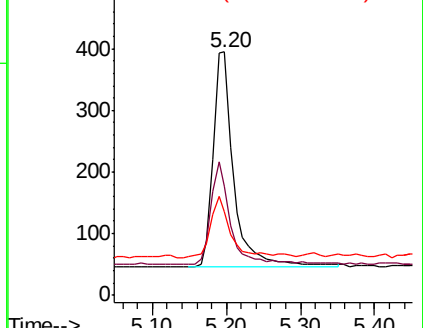
63 28.2 22.2 33.4



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: 0.100 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.01 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

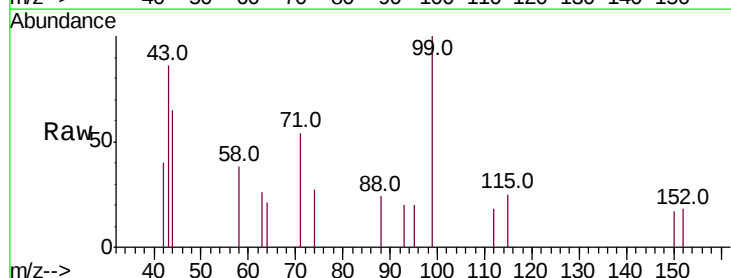
Tgt Ion: 99 Resp: 480

Ion Ratio Lower Upper

99 100

42 19.6 11.1 16.7#

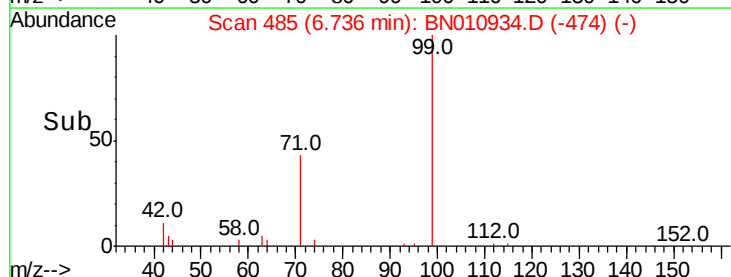
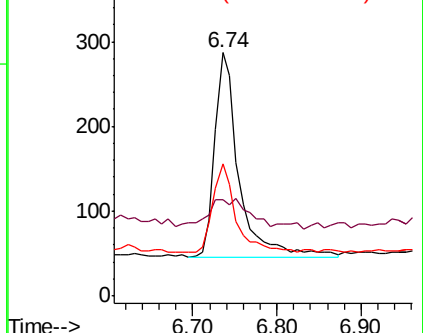
71 41.3 31.4 47.2

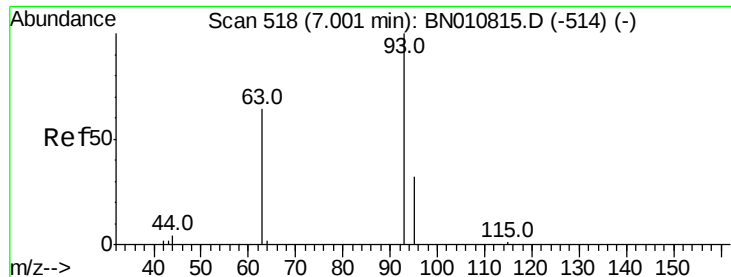


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#6

bis(2-Chloroethyl)ether

Concen: 0.026 ng

RT: 6.99 min Scan# 516

Delta R.T. -0.01 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

Instrument :

BNA\_N

ClientSampleId :

RE-DUP03-20200611

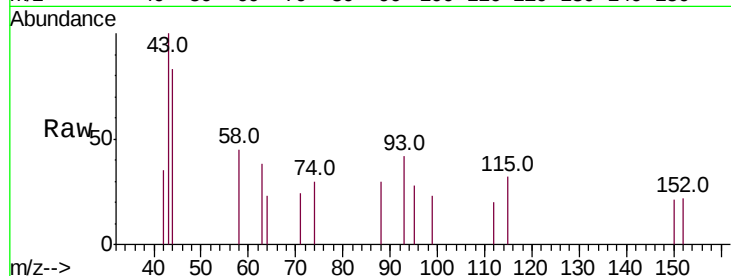
Tot Ion: 93 Resp: 122

Ion Ratio Lower Upper

93 100

63 49.2 49.4 74.2#

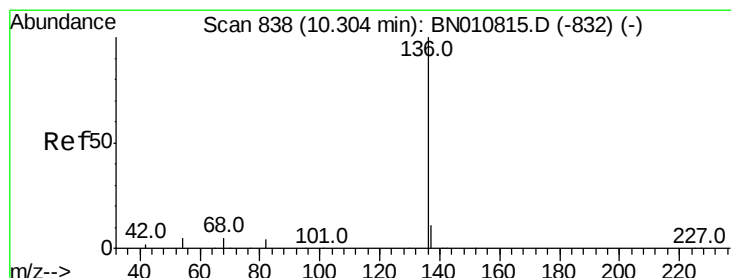
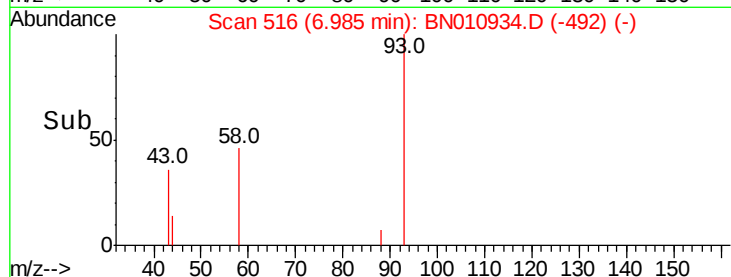
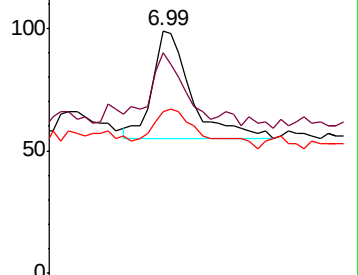
95 26.2 26.7 40.1#



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) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. -0.01 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

Tgt Ion: 136 Resp: 7216

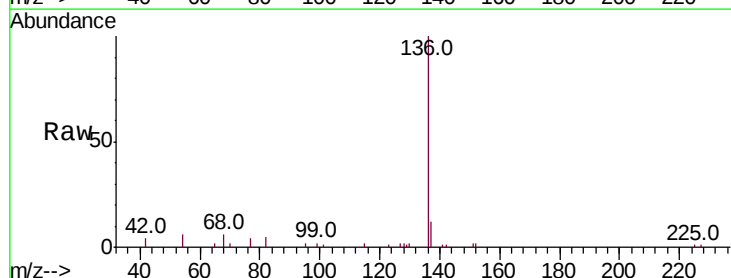
Ion Ratio Lower Upper

136 100

137 12.5 9.7 14.5

54 5.5 4.9 7.3

68 6.1 4.7 7.1

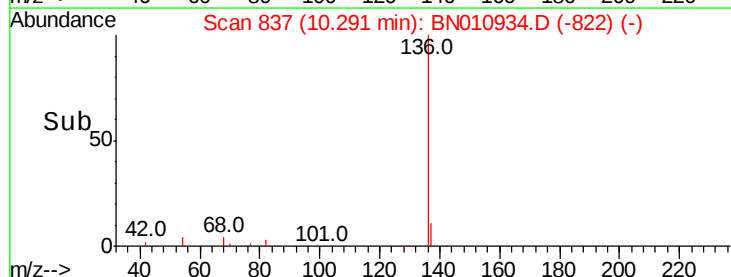
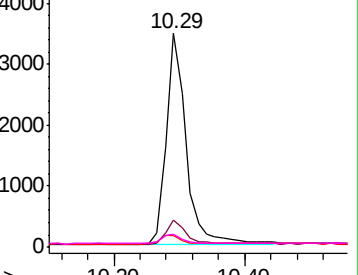


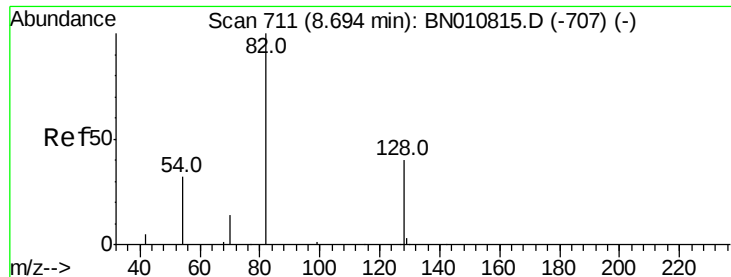
Abundance Ion 136.00 (135.70 to 136.70): BN010815.D (-832) (-)

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) (-)

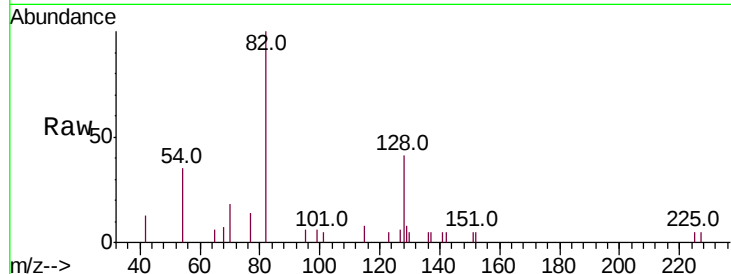




#8  
 Nitrobenzene-d5  
 Concen: 0.435 ng  
 RT: 8.68 min Scan# 710  
 Delta R.T. 0.00 min  
 Lab File: BN010934.D  
 Acq: 17 Jun 2020 08:41

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE-DUP03-20200611

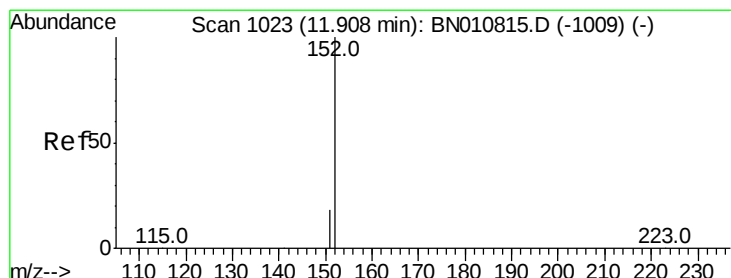
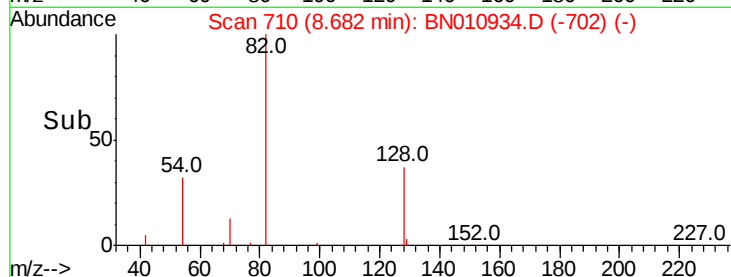
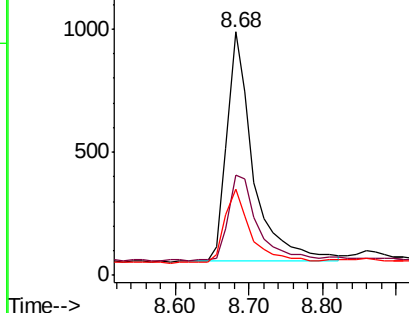
| Tot Ion   | 82    | Resp  | 2325 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 41.2  | 35.4  | 53.0 |
| 54        | 35.3  | 28.2  | 42.4 |



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

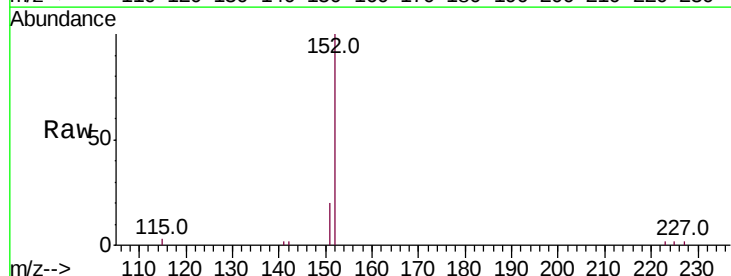
Ion 128.00 (127.70 to 128.70): BN010815.D (-707) (-)

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



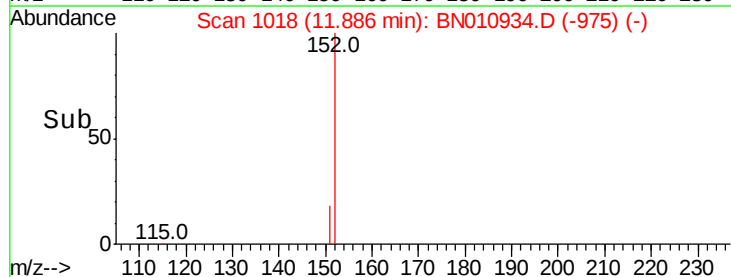
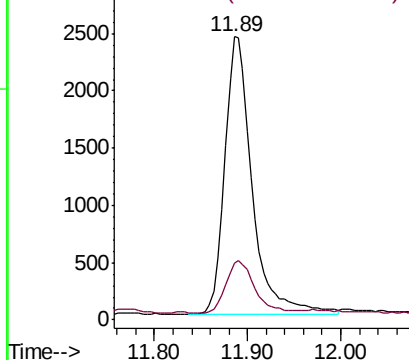
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.439 ng  
 RT: 11.89 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: BN010934.D  
 Acq: 17 Jun 2020 08:41

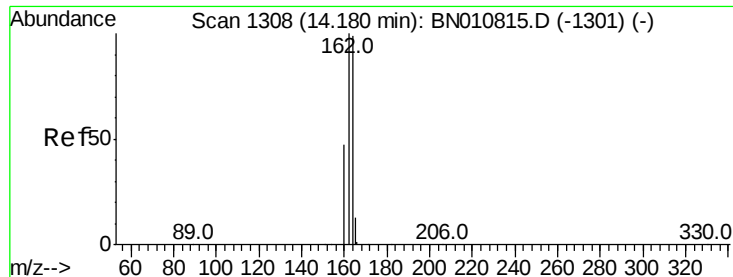
| Tgt Ion   | 152   | Resp  | 4919 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 19.9  | 15.3  | 22.9 |



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: 14.16 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

Instrument :

BNA\_N

ClientSampleId :

RE-DUP03-20200611

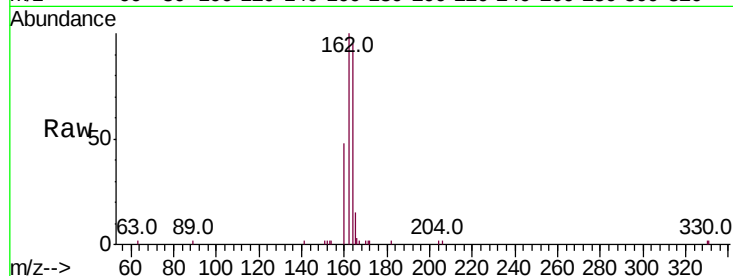
Tot Ion:164 Resp: 4007

Ion Ratio Lower Upper

164 100

162 105.5 81.0 121.6

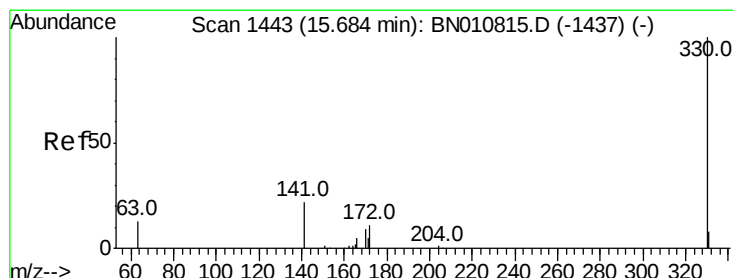
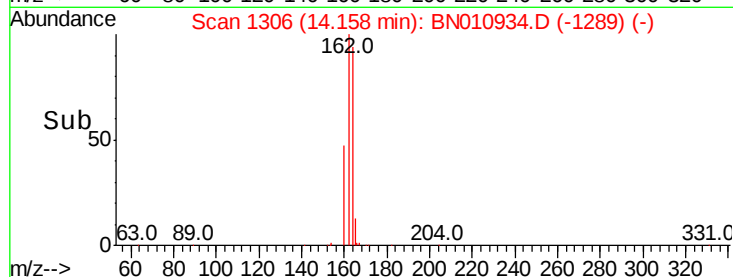
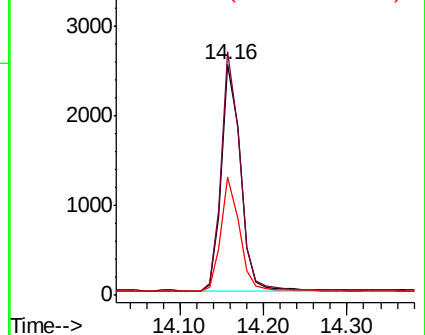
160 51.0 38.9 58.3



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: 0.358 ng

RT: 15.67 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

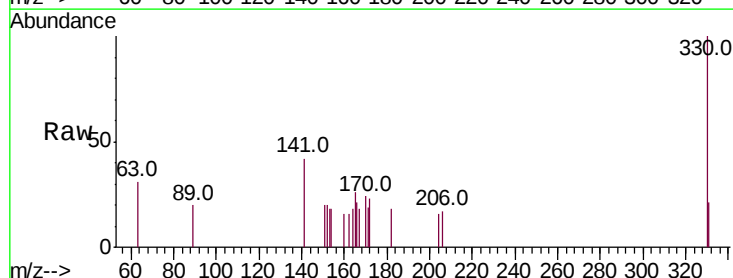
Tgt Ion:330 Resp: 513

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

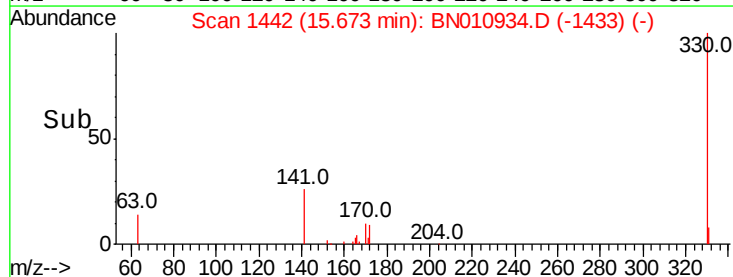
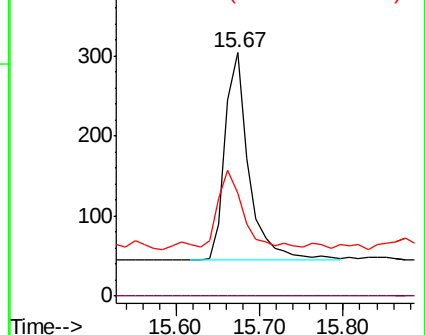
141 38.2 33.2 49.8

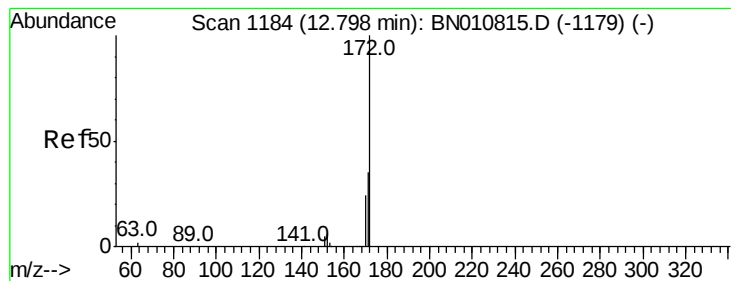


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.413 ng

RT: 12.79 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

Instrument :

BNA\_N

ClientSampleId :

RE-DUP03-20200611

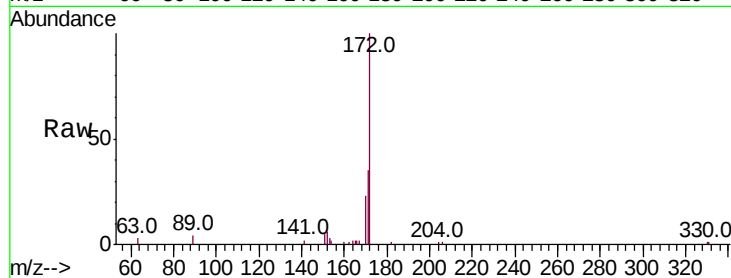
Tot Ion:172 Resp: 6537

Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

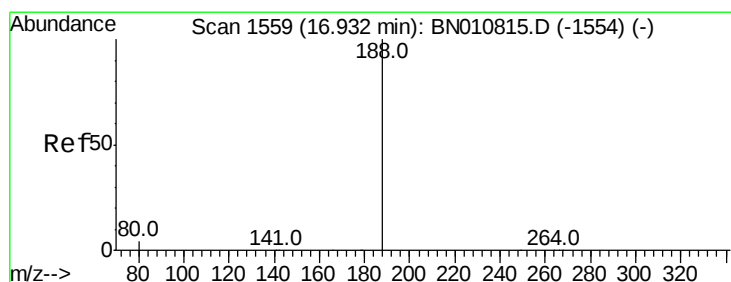
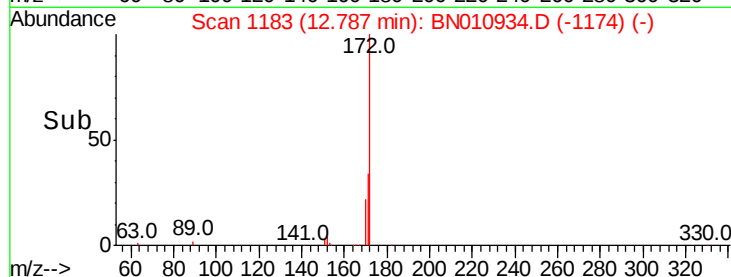
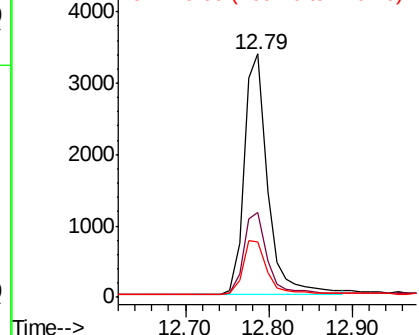
170 22.8 19.7 29.5



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: 16.91 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

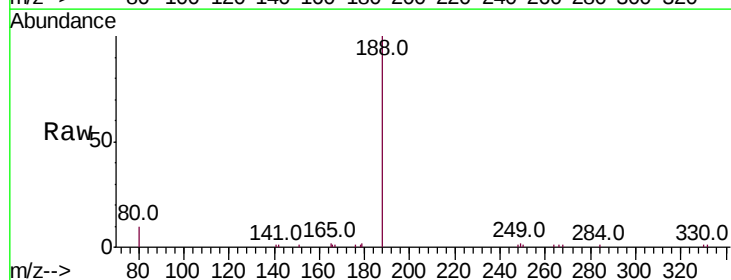
Tgt Ion:188 Resp: 8401

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

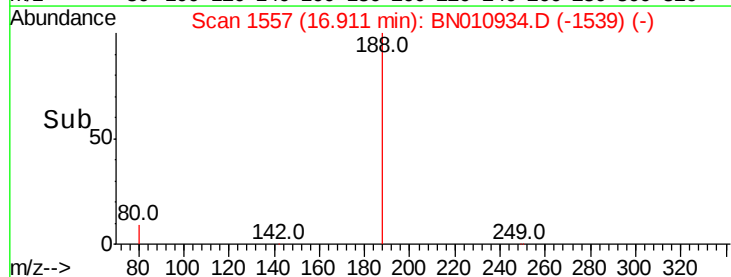
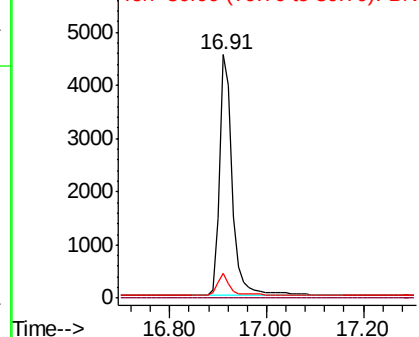
80 10.3 4.5 6.7#

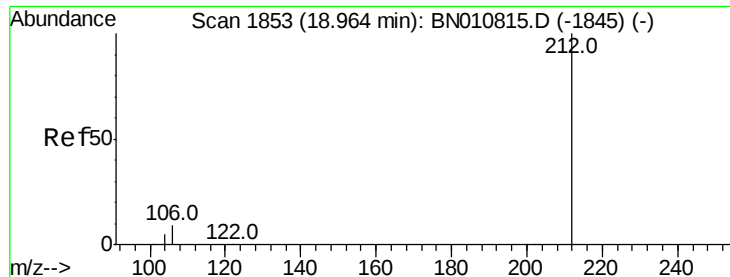


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#25

Fluoranthene-d10

Concen: 0.589 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

Instrument :

BNA\_N

ClientSampleId :

RE-DUP03-20200611

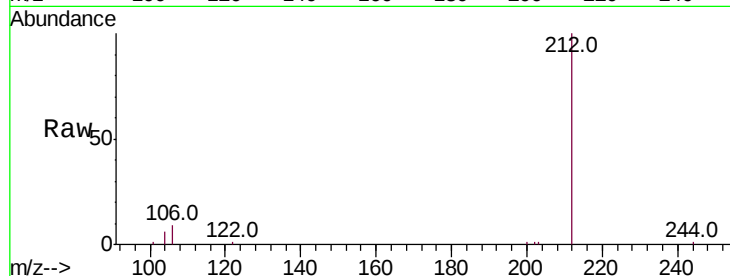
Tot Ion:212 Resp: 13651

Ion Ratio Lower Upper

212 100

106 9.5 6.6 10.0

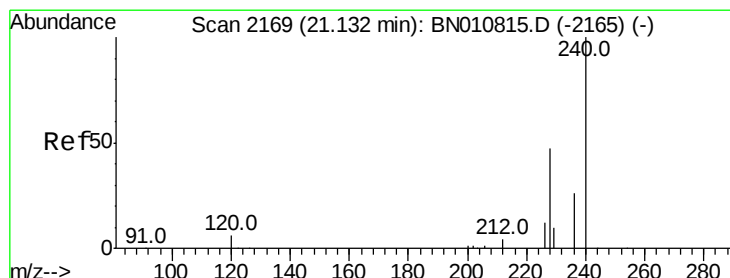
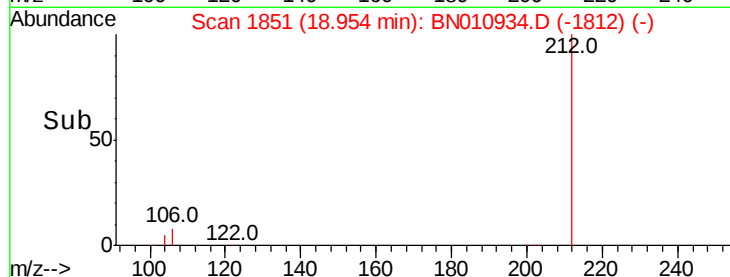
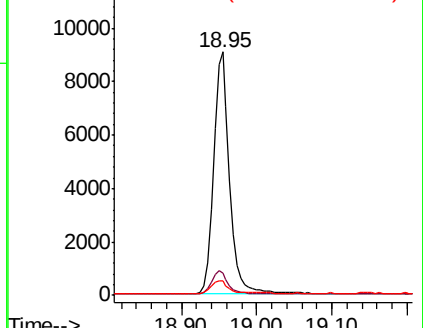
104 5.3 4.0 6.0



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# 2168

Delta R.T. -0.01 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

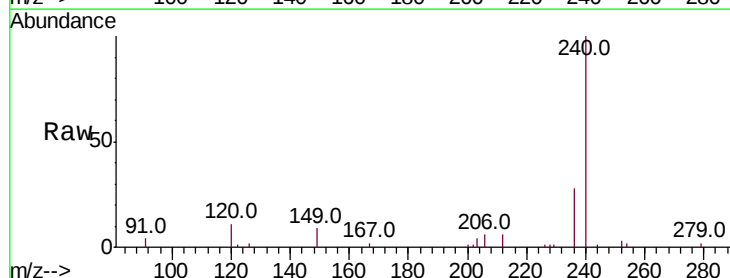
Tgt Ion:240 Resp: 8877

Ion Ratio Lower Upper

240 100

120 11.2 7.5 11.3

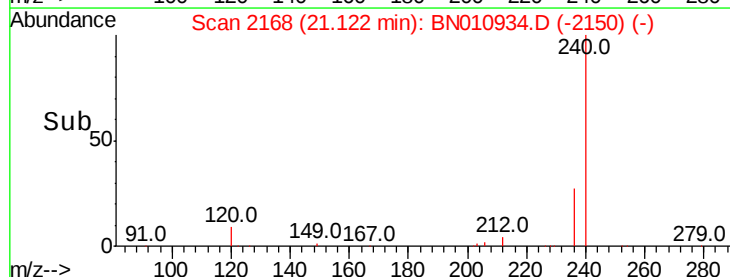
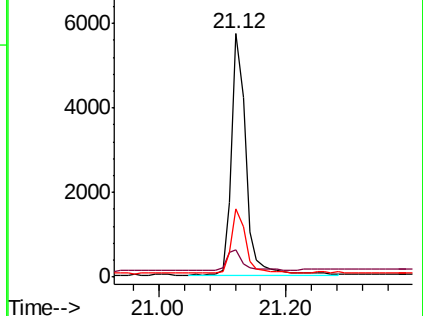
236 28.0 22.3 33.5

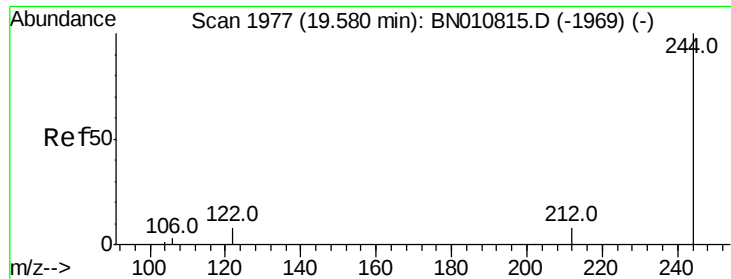


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.484 ng

RT: 19.56 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

Instrument :

BNA\_N

ClientSampleId :

RE-DUP03-20200611

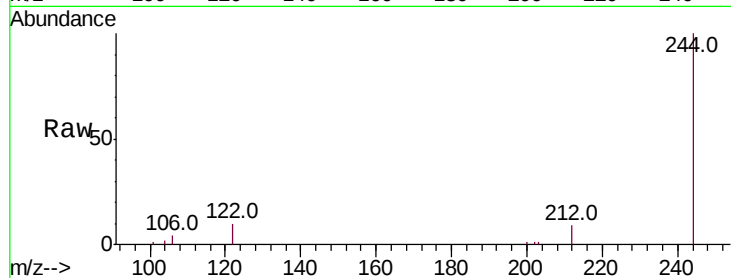
Tot Ion:244 Resp: 10059

Ion Ratio Lower Upper

244 100

212 8.8 7.4 11.2

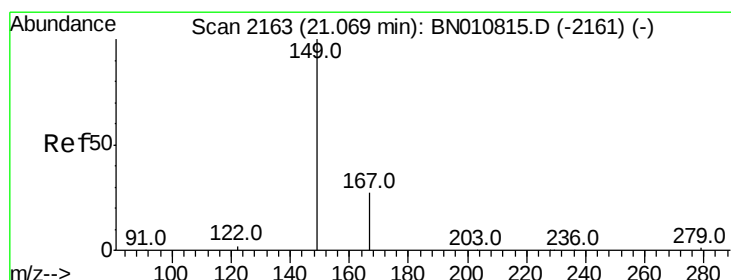
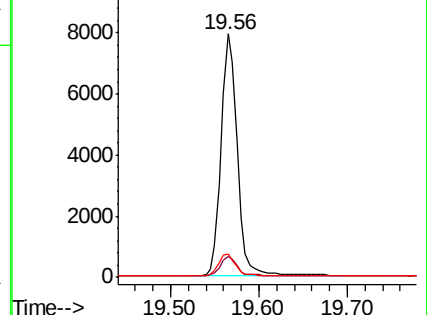
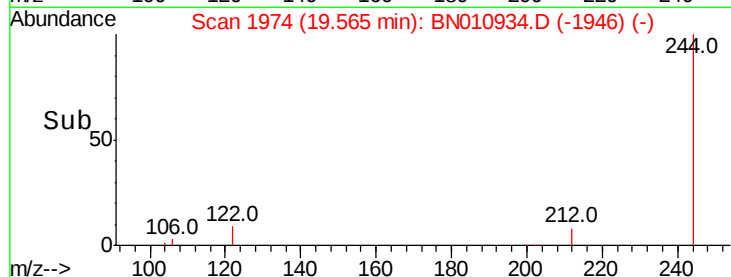
122 9.8 7.5 11.3



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: 0.112 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BN010934.D

Acq: 17 Jun 2020 08:41

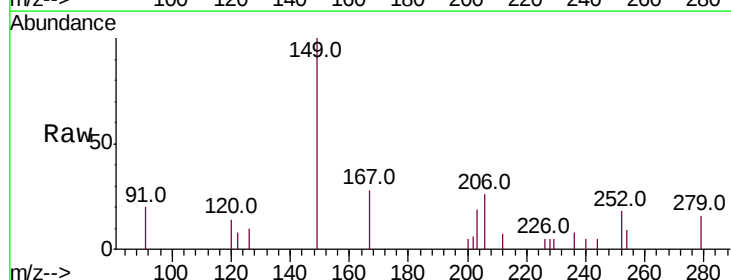
Tgt Ion:149 Resp: 977

Ion Ratio Lower Upper

149 100

167 26.5 24.1 36.1

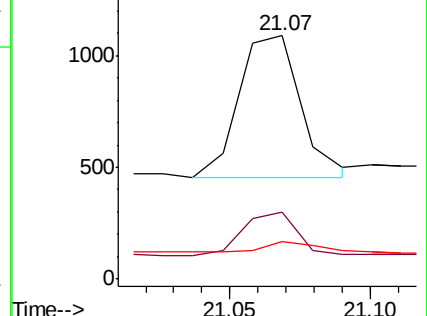
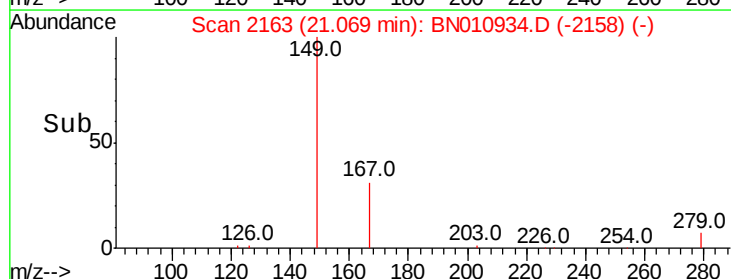
279 6.2 4.6 7.0

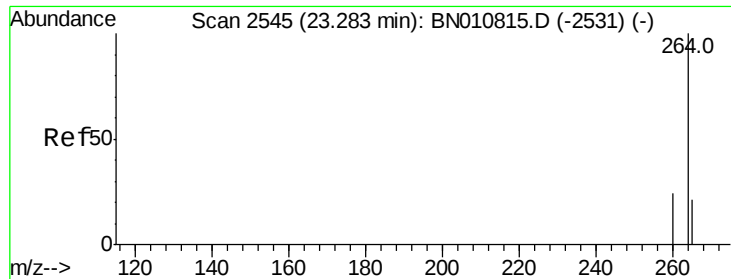


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2542  
Delta R.T. -0.00 min  
Lab File: BN010934.D  
Acq: 17 Jun 2020 08:41

Instrument :  
BNA\_N  
ClientSampleId :  
RE-DUP03-20200611

Tot Ion: 264 Resp: 8558  
Ion Ratio Lower Upper  
264 100  
260 24.4 20.4 30.6  
265 80.4 75.0 112.4

