

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061520\  
 Data File : BN010876.D  
 Acq On : 15 Jun 2020 16:26  
 Operator : CG/JU  
 Sample : PB129538BSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB129538BSD

Quant Time: Jun 15 17:10:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 15 11:09:46 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 2443     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.30 | 136  | 8638     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.17 | 164  | 4710     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.92 | 188  | 8963     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.13 | 240  | 7925     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.28 | 264  | 8424     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.20  | 112 | 2181  | 0.46 | ng | 0.00 |
| 5) Phenol-d6                | 6.74  | 99  | 2556  | 0.46 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.68  | 82  | 2598  | 0.41 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.89 | 152 | 5626  | 0.42 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.67 | 330 | 604   | 0.36 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.79 | 172 | 7721  | 0.42 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.96 | 212 | 10115 | 0.41 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.57 | 244 | 7843  | 0.42 | ng | 0.00 |

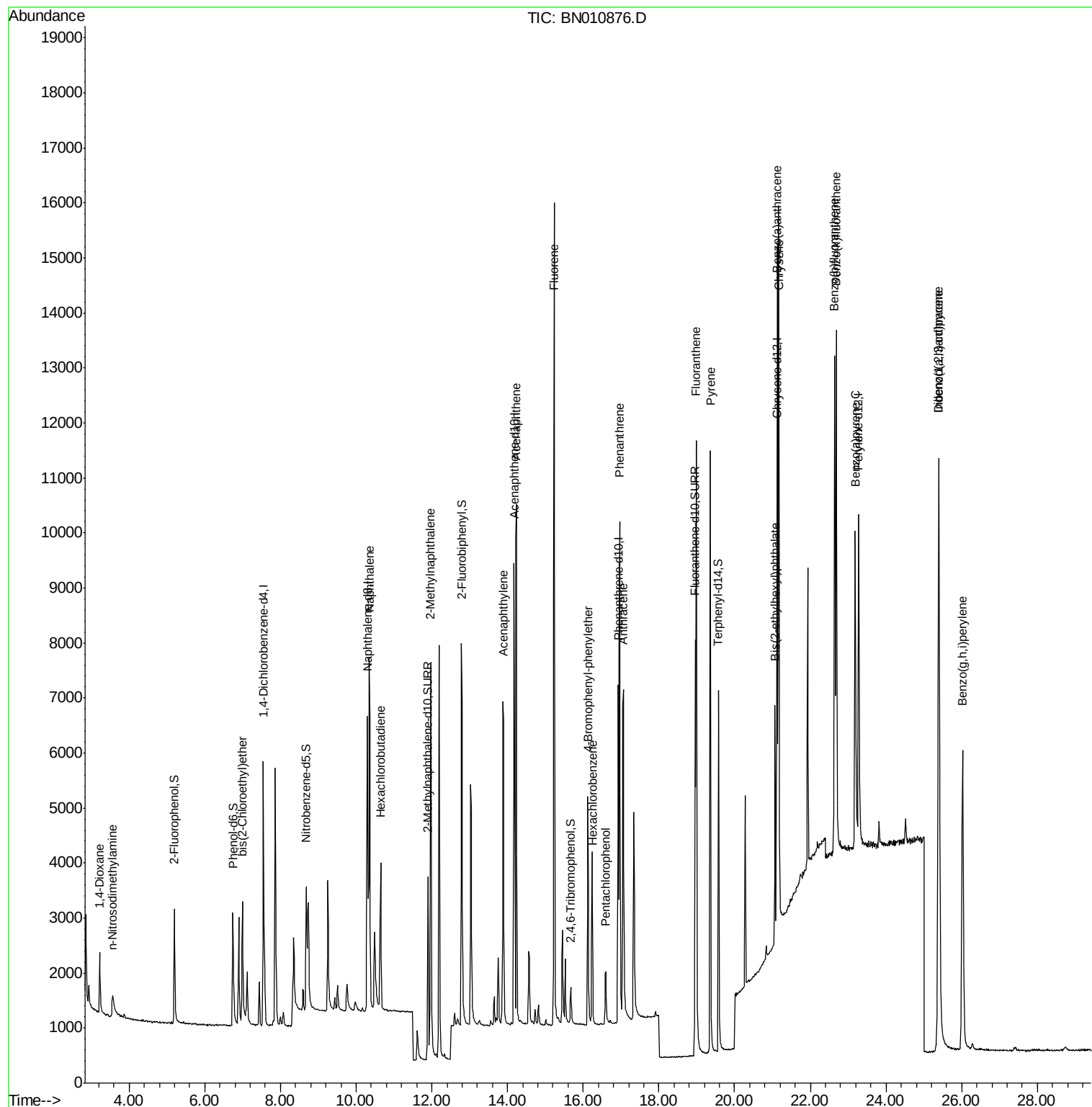
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.22  | 88  | 1062  | 0.444  | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.56  | 42  | 501   | 0.360  | ng | # 93 |
| 6) bis(2-Chloroethyl)ether     | 6.99  | 93  | 2362  | 0.436  | ng | 96   |
| 9) Naphthalene                 | 10.34 | 128 | 9099  | 0.419  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.65 | 225 | 2143  | 0.399  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 11.97 | 142 | 6119  | 0.421  | ng | 99   |
| 16) Acenaphthylene             | 13.88 | 152 | 7858  | 0.407  | ng | 100  |
| 17) Acenaphthene               | 14.24 | 154 | 5392  | 0.410  | ng | 98   |
| 18) Fluorene                   | 15.23 | 166 | 6888  | 0.406  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.12 | 248 | 2197  | 0.408  | ng | # 88 |
| 21) Hexachlorobenzene          | 16.24 | 284 | 2477  | 0.441  | ng | 98   |
| 22) Pentachlorophenol          | 16.59 | 266 | 744   | 0.394  | ng | 97   |
| 23) Phenanthrene               | 16.96 | 178 | 10278 | 0.420  | ng | 99   |
| 24) Anthracene                 | 17.06 | 178 | 8526  | 0.417  | ng | 100  |
| 26) Fluoranthene               | 18.99 | 202 | 11151 | 0.401  | ng | 99   |
| 28) Pyrene                     | 19.36 | 202 | 11150 | 0.425  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.11 | 228 | 9722  | 0.417  | ng | 98   |
| 31) Chrysene                   | 21.16 | 228 | 11226 | 0.413  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.07 | 149 | 3569  | 0.460  | ng | 95   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.39 | 276 | 13346 | 0.440  | ng | # 95 |
| 35) Benzo(b)fluoranthene       | 22.64 | 252 | 11196 | 0.391  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 22.68 | 252 | 12168 | 0.399  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.18 | 252 | 9761  | 0.397  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 25.40 | 278 | 11092 | 0.396  | ng | 97   |
| 39) Benzo(g,h,i)perylene       | 26.02 | 276 | 11606 | 0.396  | ng | 98   |

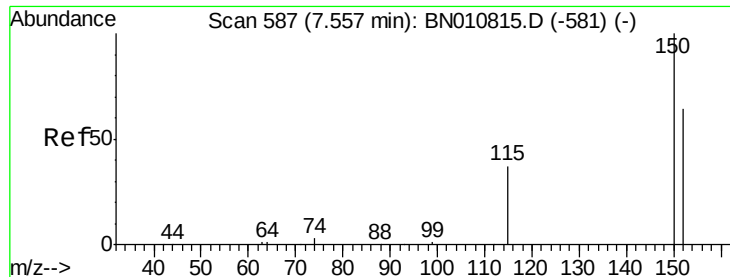
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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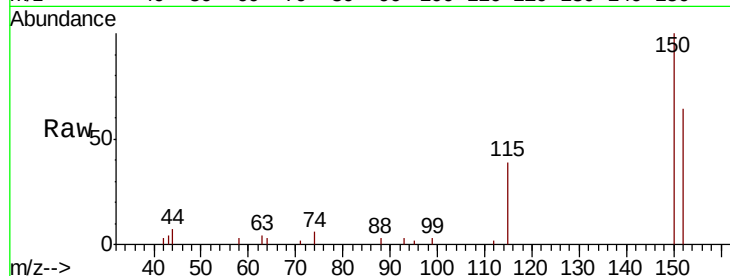


#1

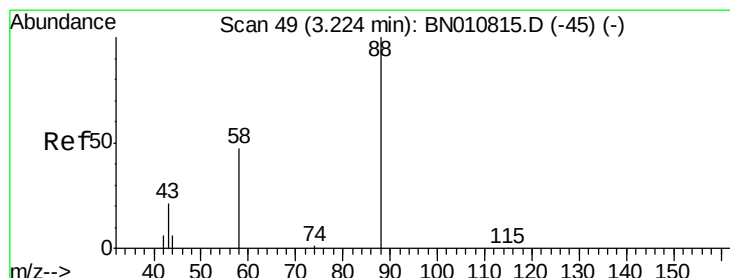
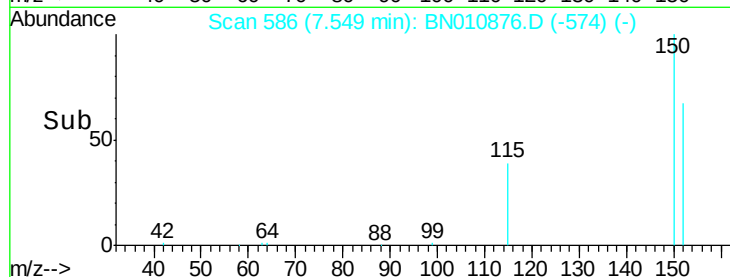
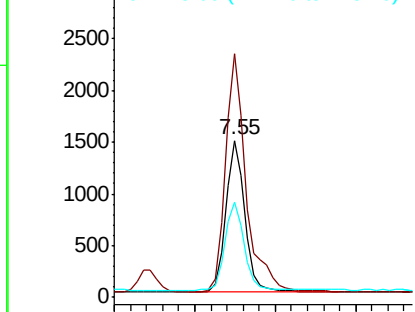
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.55 min Scan# 586  
Delta R.T. 0.00 min  
Lab File: BN010876.D  
Acq: 15 Jun 2020 16:26

Instrument :  
BNA\_N  
ClientSampleId :  
PB129538BSD

Tot Ion:152 Resp: 2443  
Ion Ratio Lower Upper  
152 100  
150 155.1 123.8 185.6  
115 60.6 49.2 73.8



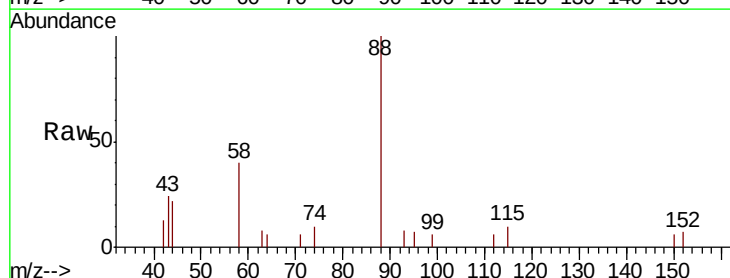
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



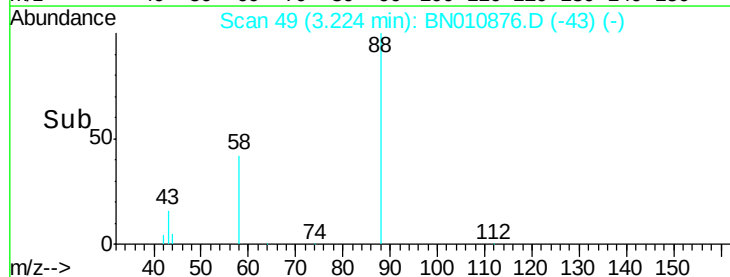
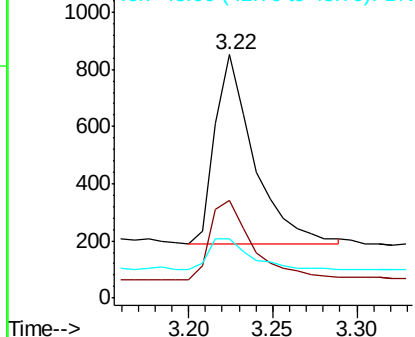
#2

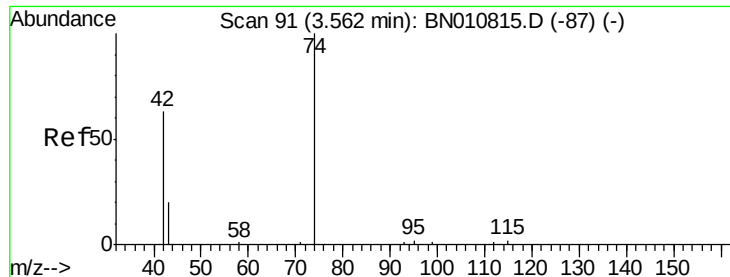
1,4-Dioxane  
Concen: 0.444 ng  
RT: 3.22 min Scan# 49  
Delta R.T. 0.00 min  
Lab File: BN010876.D  
Acq: 15 Jun 2020 16:26

Tgt Ion: 88 Resp: 1062  
Ion Ratio Lower Upper  
88 100  
58 46.4 38.2 57.4  
43 18.7 15.1 22.7



Abundance Ion 88.00 (87.70 to 88.70): BN0  
Ion 58.00 (57.70 to 58.70): BN0  
Ion 43.00 (42.70 to 43.70): BN0





#3

n-Nitrosodimethylamine

Concen: 0.360 ng

RT: 3.56 min Scan# 91

Delta R.T. 0.02 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

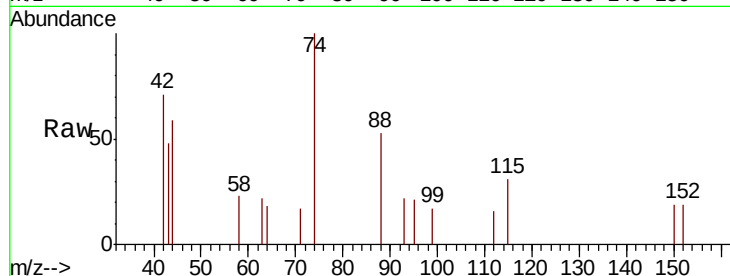
Tot Ion: 42 Resp: 501

Ion Ratio Lower Upper

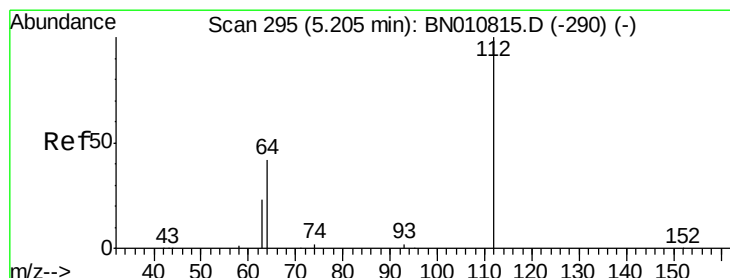
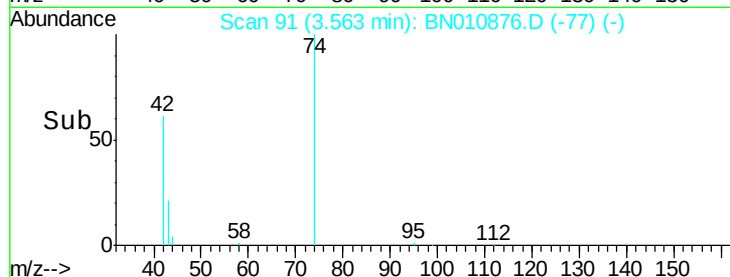
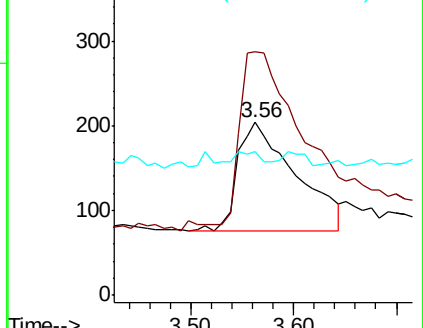
42 100

74 166.5 140.7 211.1

44 6.2 1.4 2.2#



Abundance Ion 42.00 (41.70 to 42.70): BN0  
Ion 74.00 (73.70 to 74.70): BN0  
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.462 ng

RT: 5.20 min Scan# 294

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

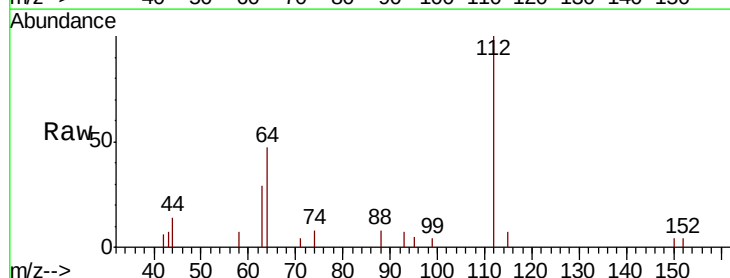
Tgt Ion: 112 Resp: 2181

Ion Ratio Lower Upper

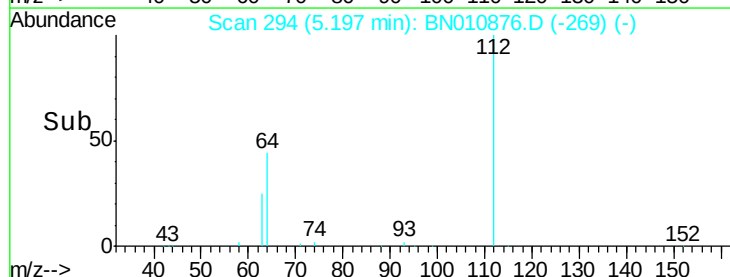
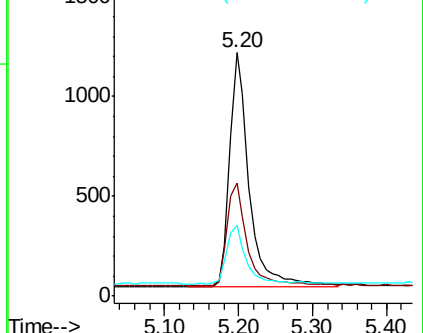
112 100

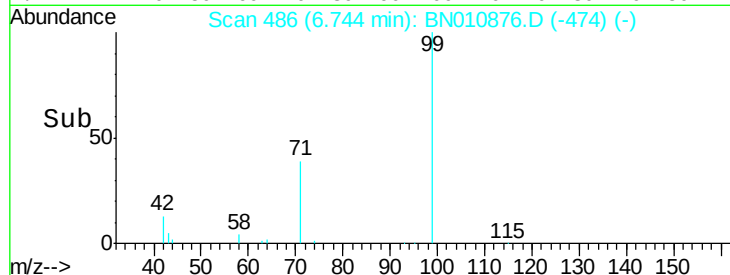
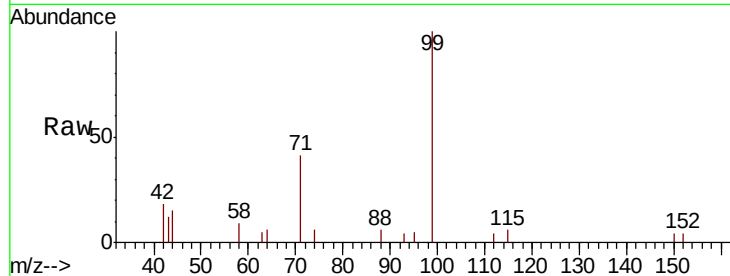
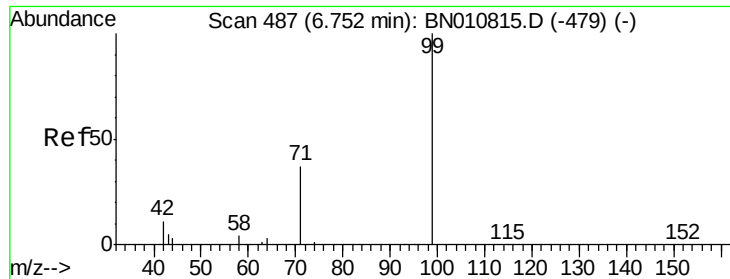
64 44.1 37.4 56.0

63 24.9 22.2 33.4



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

Phenol-d6

Concen: 0.460 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

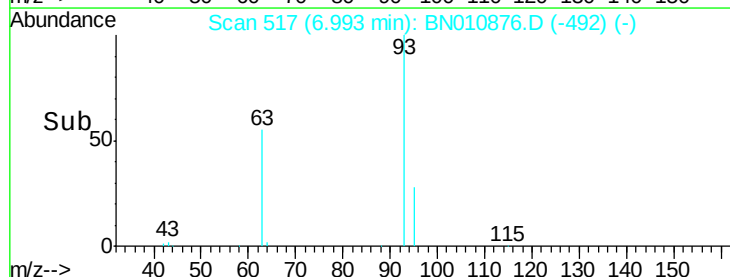
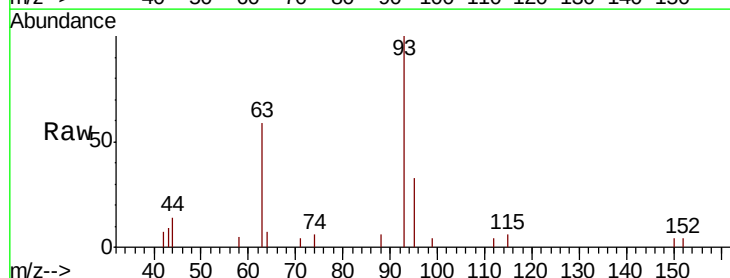
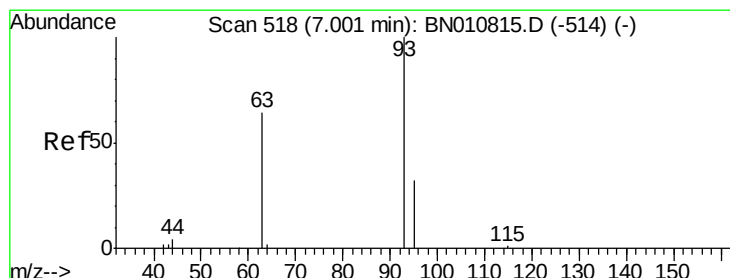
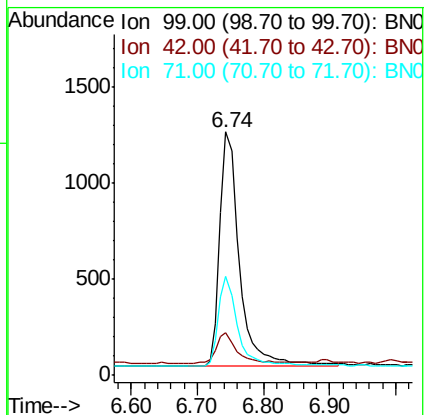
Tot Ion: 99 Resp: 2556

Ion Ratio Lower Upper

99 100

42 13.8 11.1 16.7

71 37.2 31.4 47.2



#6

bis(2-Chloroethyl)ether

Concen: 0.436 ng

RT: 6.99 min Scan# 517

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

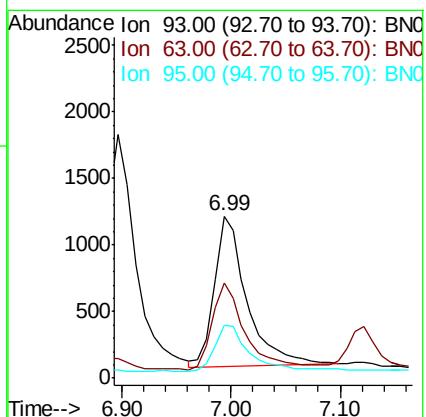
Tgt Ion: 93 Resp: 2362

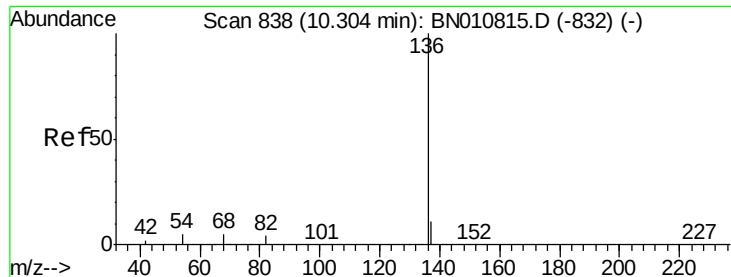
Ion Ratio Lower Upper

93 100

63 57.5 49.4 74.2

95 34.4 26.7 40.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

Tot Ion:136 Resp: 8638

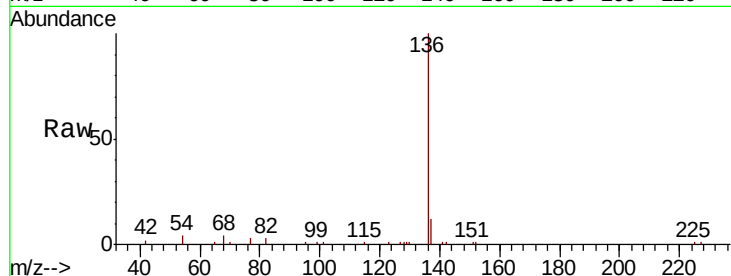
Ion Ratio Lower Upper

136 100

137 11.7 9.7 14.5

54 3.7 4.9 7.3#

68 4.1 4.7 7.1#

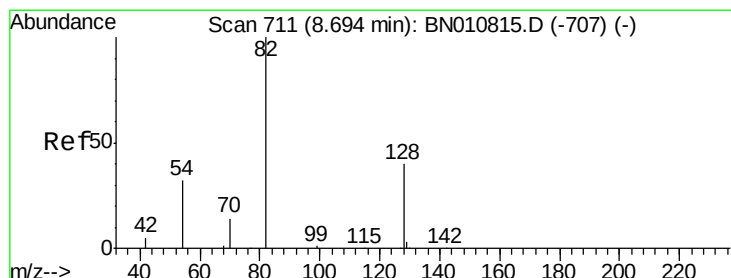
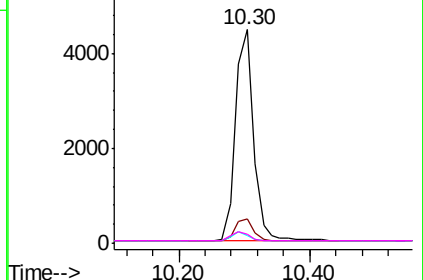
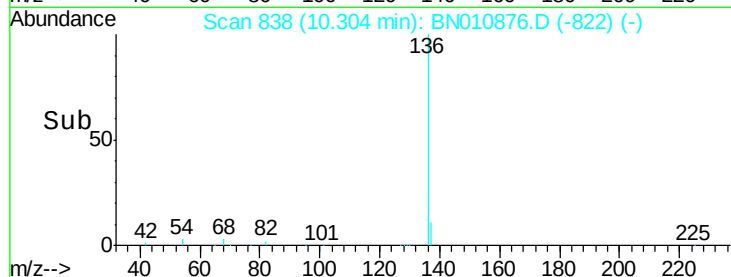


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.406 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

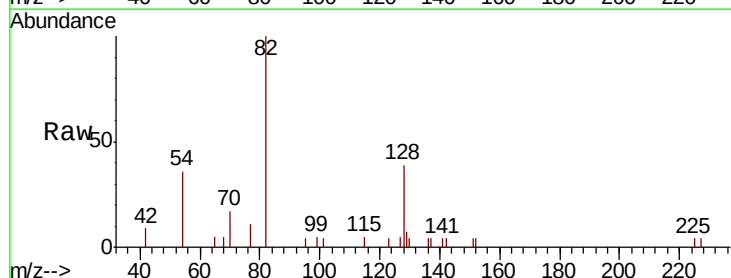
Tgt Ion: 82 Resp: 2598

Ion Ratio Lower Upper

82 100

128 39.4 35.4 53.0

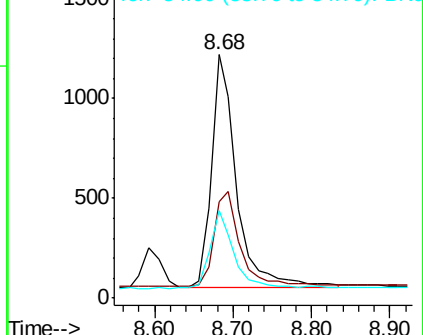
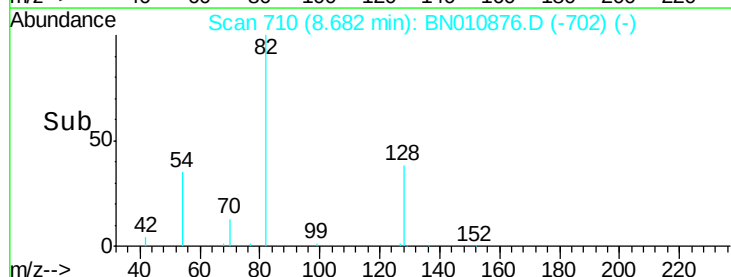
54 35.9 28.2 42.4

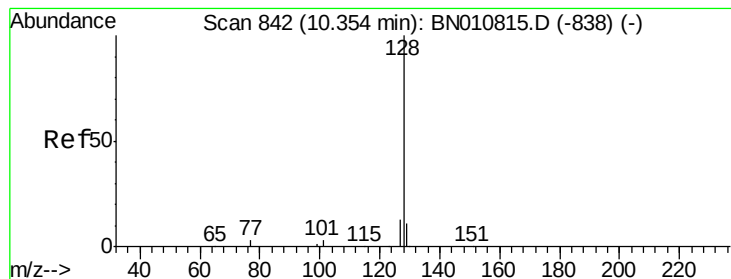


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.419 ng

RT: 10.34 min Scan# 841

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

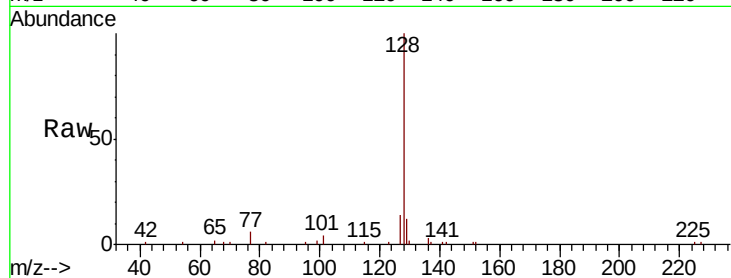
Tot Ion:128 Resp: 9099

Ion Ratio Lower Upper

128 100

129 11.9 9.6 14.4

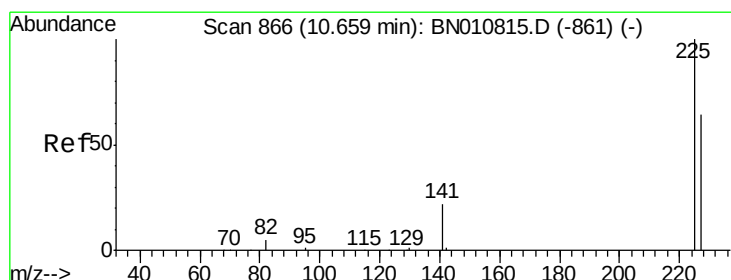
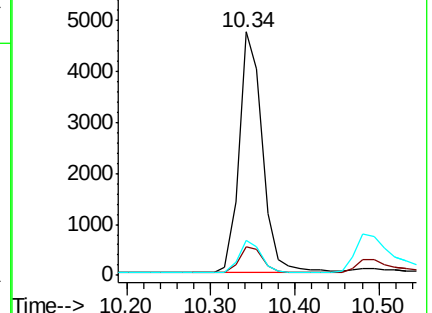
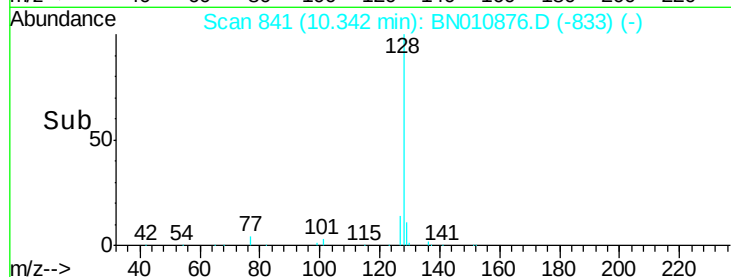
127 14.4 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.399 ng

RT: 10.65 min Scan# 865

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

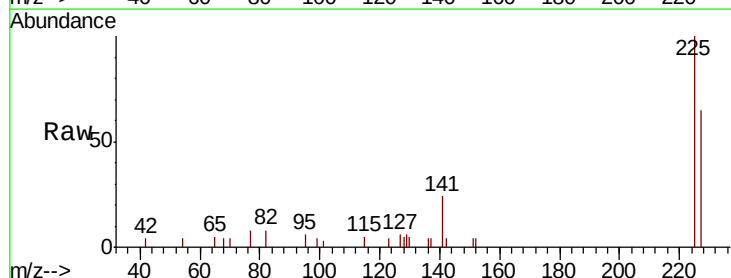
Tgt Ion:225 Resp: 2143

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

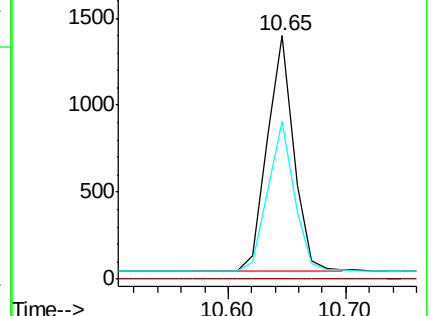
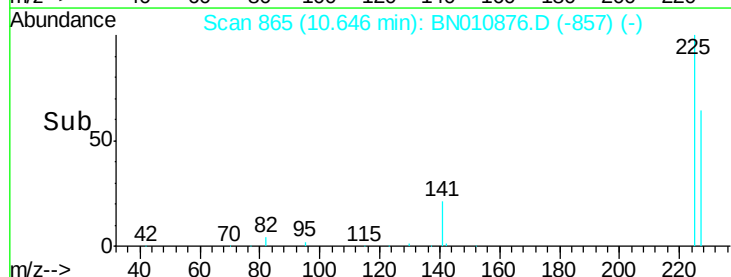
227 63.5 50.5 75.7

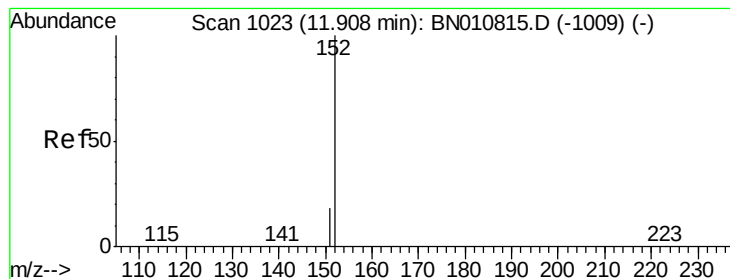


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.420 ng

RT: 11.89 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

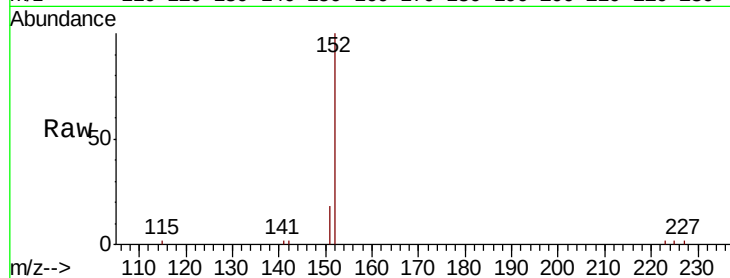
PB129538BSD

Tot Ion:152 Resp: 5626

Ion Ratio Lower Upper

152 100

151 18.8 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

3000

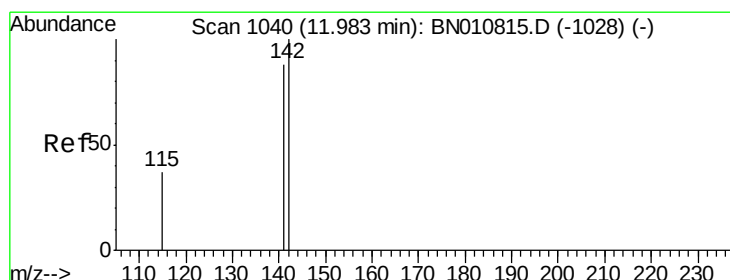
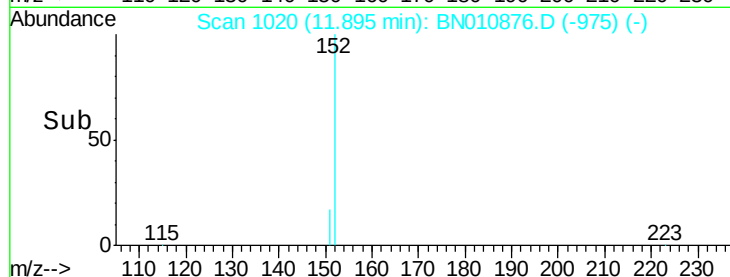
2000

1000

0

11.89

Time-->



#12

2-Methylnaphthalene

Concen: 0.421 ng

RT: 11.97 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

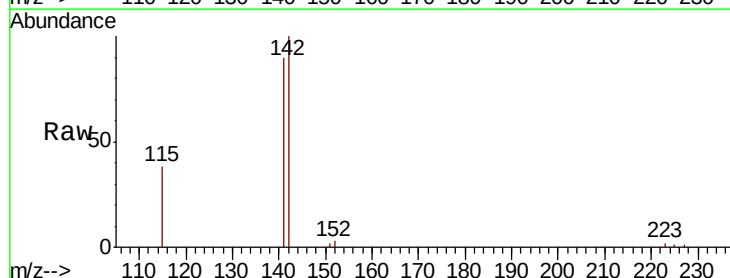
Tgt Ion:142 Resp: 6119

Ion Ratio Lower Upper

142 100

141 89.9 70.8 106.2

115 38.5 31.5 47.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

4000

3000

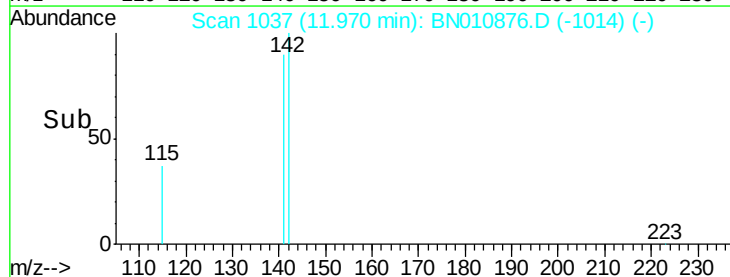
2000

1000

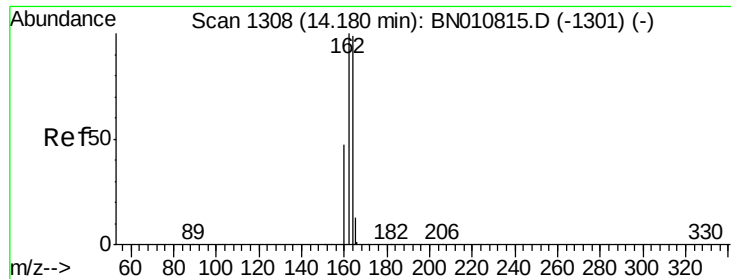
0

11.97

Time-->







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.17 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

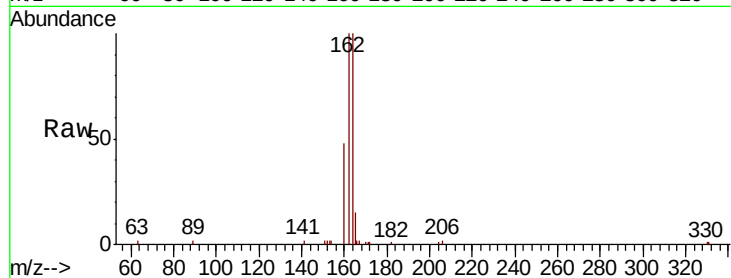
Tot Ion:164 Resp: 4710

Ion Ratio Lower Upper

164 100

162 100.2 81.0 121.6

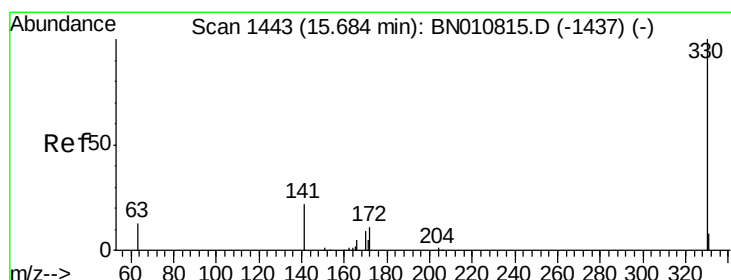
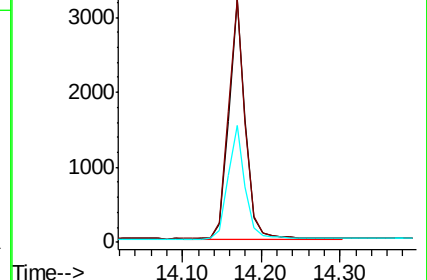
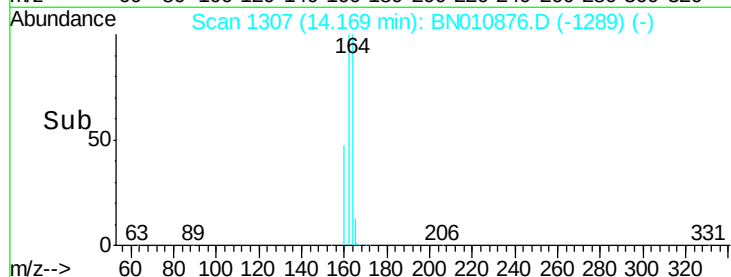
160 48.2 38.9 58.3



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: 0.359 ng

RT: 15.67 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

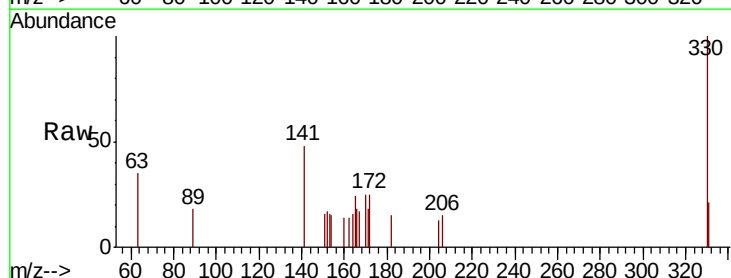
Tgt Ion:330 Resp: 604

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

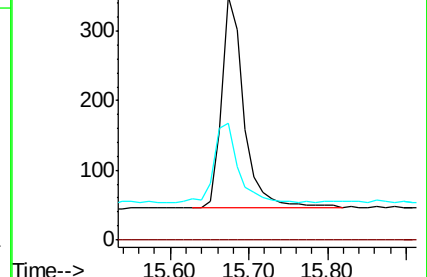
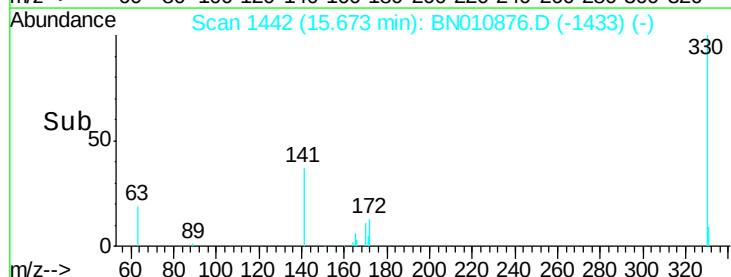
141 39.9 33.2 49.8

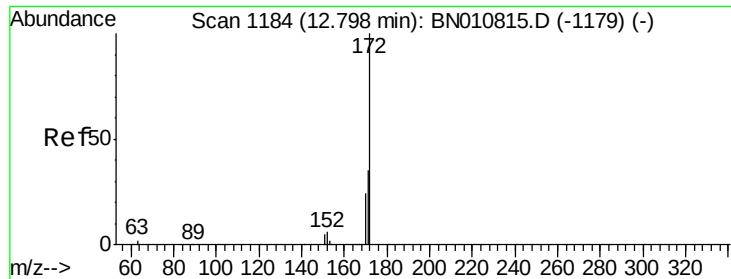


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

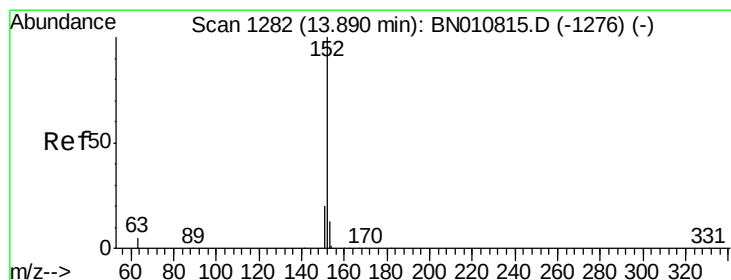
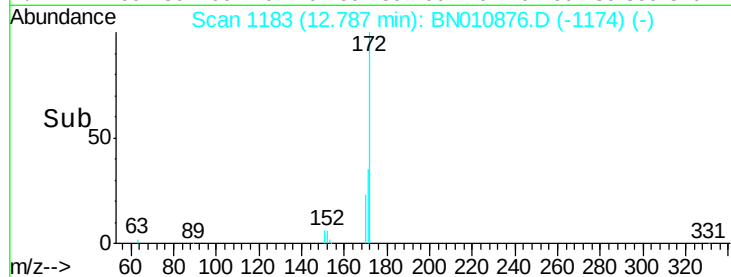
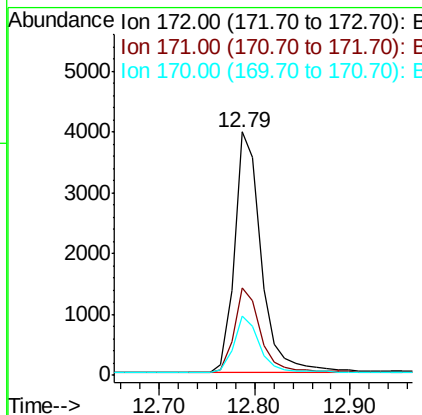
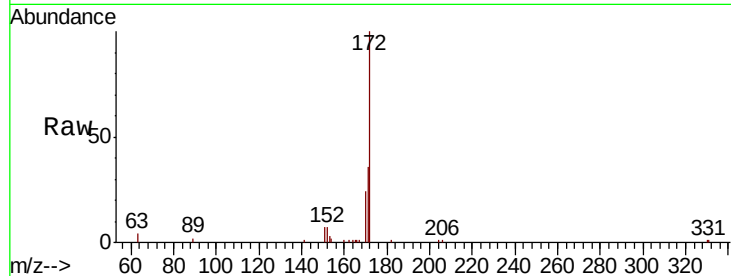




#15  
2-Fluorobiphenyl  
Concen: 0.415 ng  
RT: 12.79 min Scan# 1183  
Delta R.T. 0.00 min  
Lab File: BN010876.D  
Acq: 15 Jun 2020 16:26

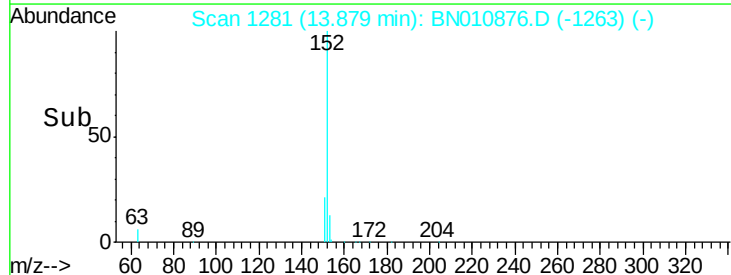
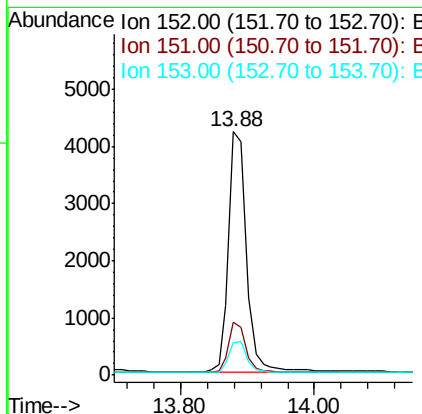
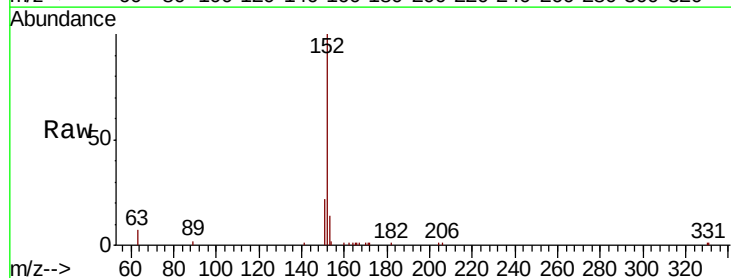
Instrument :  
BNA\_N  
ClientSampleId :  
PB129538BSD

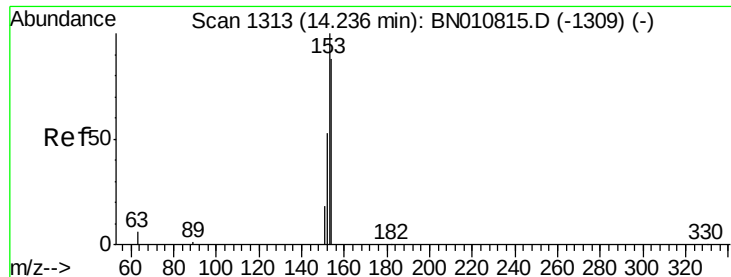
Tot Ion:172 Resp: 7721  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.5 42.7  
170 24.1 19.7 29.5



#16  
Acenaphthylene  
Concen: 0.407 ng  
RT: 13.88 min Scan# 1281  
Delta R.T. 0.00 min  
Lab File: BN010876.D  
Acq: 15 Jun 2020 16:26

Tgt Ion:152 Resp: 7858  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.6 23.4  
153 13.1 10.6 16.0





#17

Acenaphthene

Concen: 0.410 ng

RT: 14.24 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

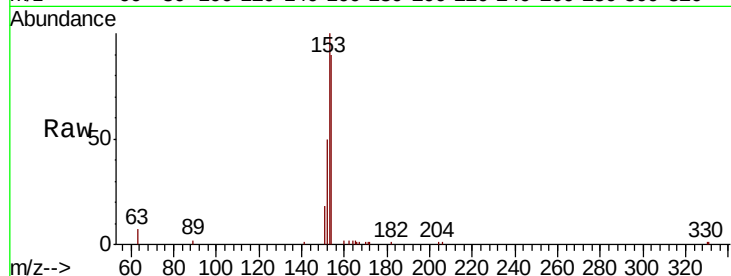
Tot Ion:154 Resp: 5392

Ion Ratio Lower Upper

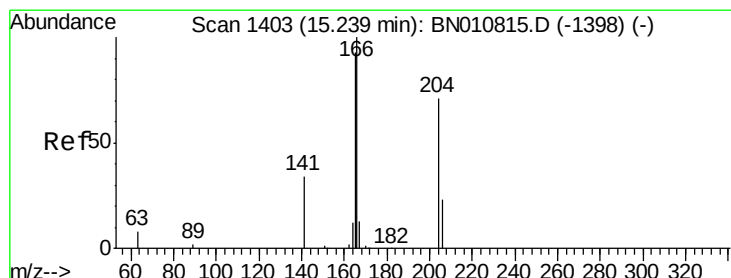
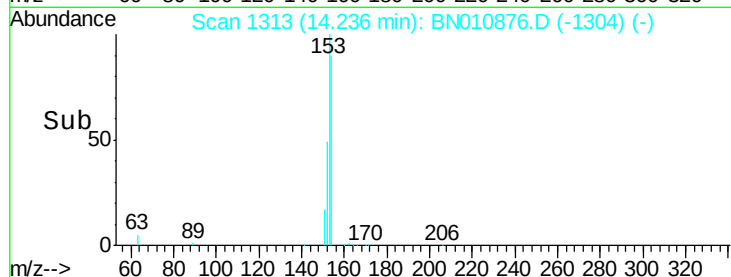
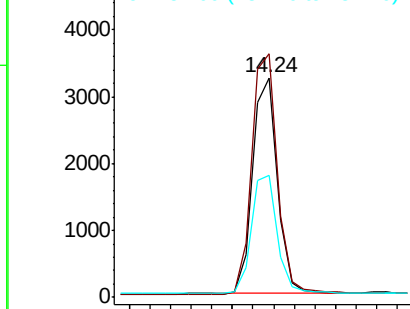
154 100

153 115.9 91.8 137.6

152 57.1 47.6 71.4



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.406 ng

RT: 15.23 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

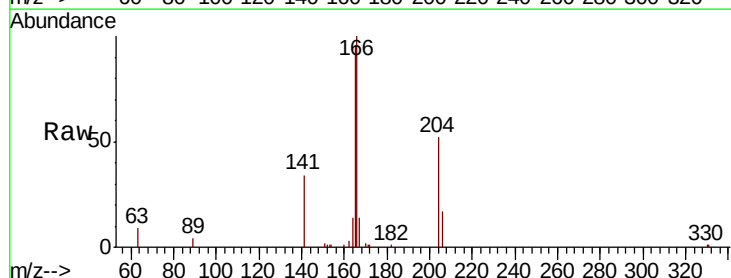
Tgt Ion:166 Resp: 6888

Ion Ratio Lower Upper

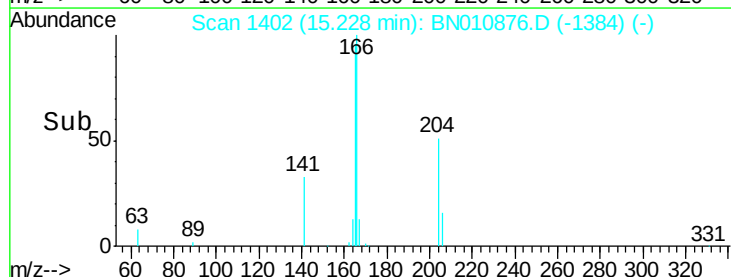
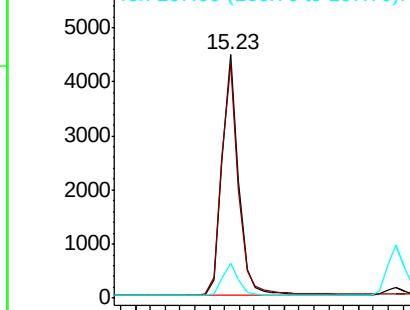
166 100

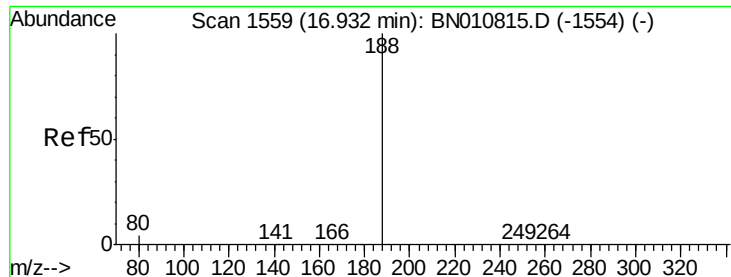
165 97.6 77.2 115.8

167 13.3 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

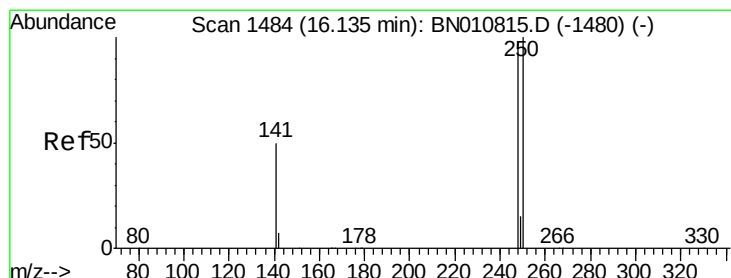
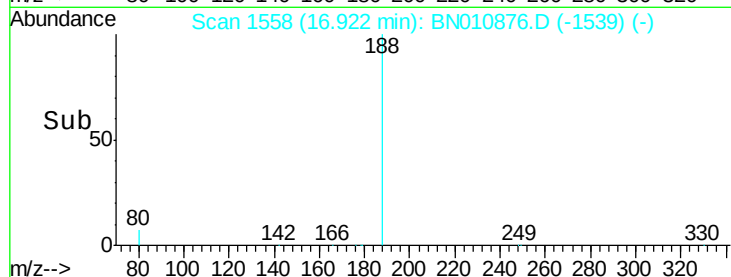
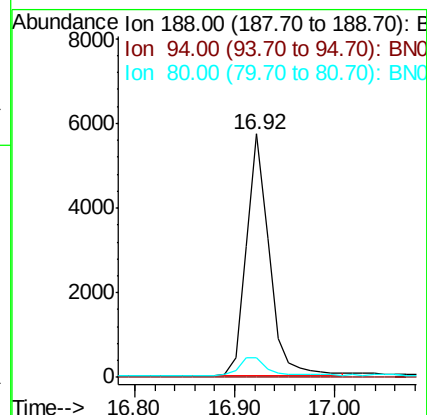
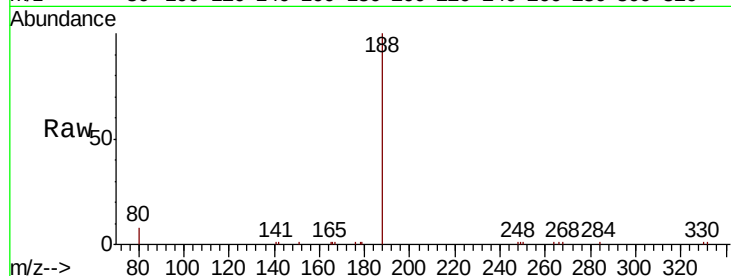
Tot Ion:188 Resp: 8963

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.0 4.5 6.7#



#20

4-Bromophenyl-phenylether

Concen: 0.408 ng

RT: 16.12 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

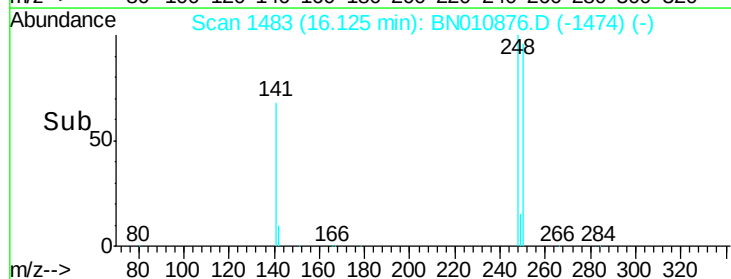
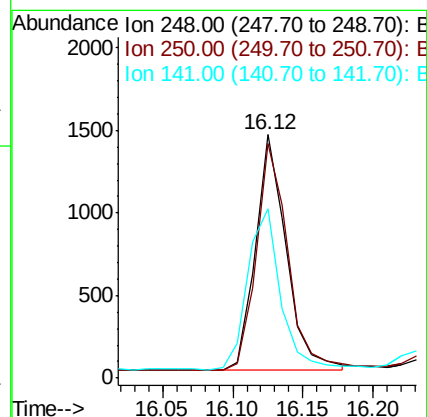
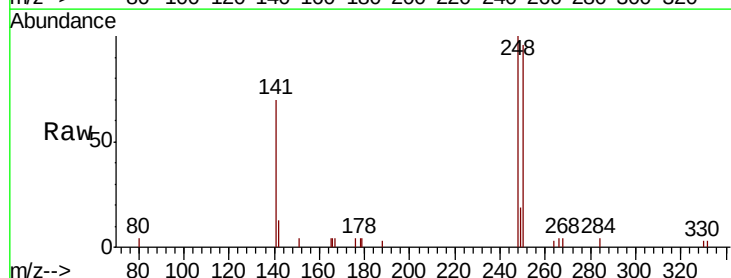
Tgt Ion:248 Resp: 2197

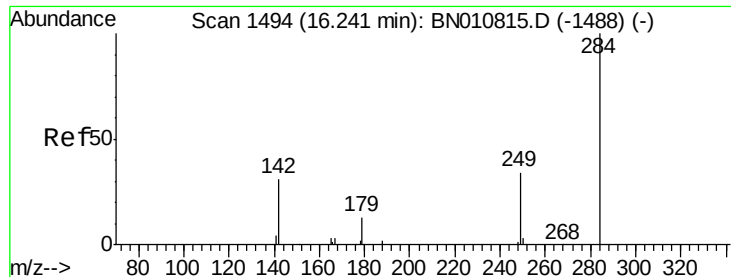
Ion Ratio Lower Upper

248 100

250 96.3 81.8 122.8

141 69.8 42.6 64.0#





#21

Hexachlorobenzene

Concen: 0.441 ng

RT: 16.24 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

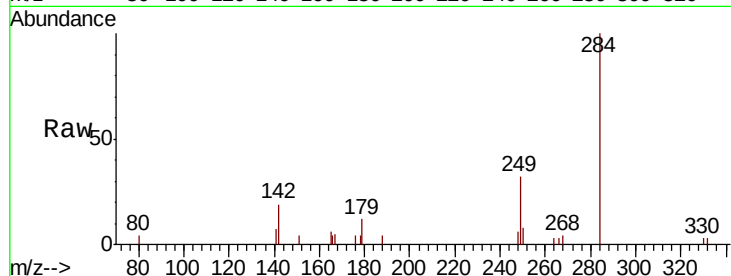
Tot Ion:284 Resp: 2477

Ion Ratio Lower Upper

284 100

142 36.9 31.0 46.4

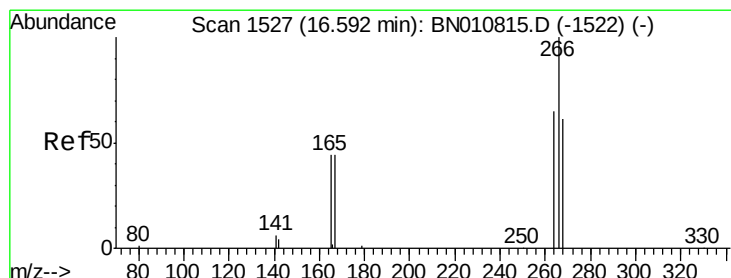
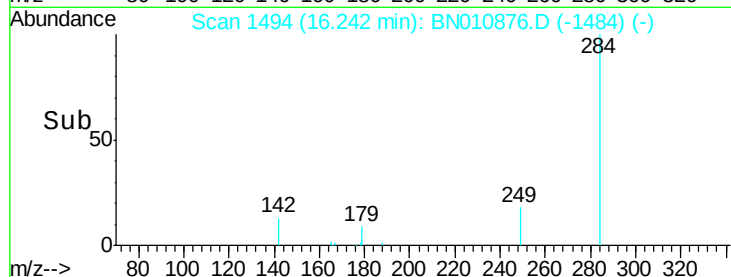
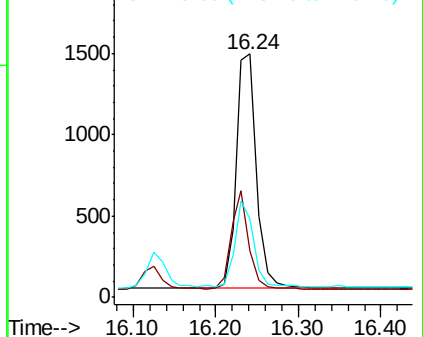
249 33.3 27.1 40.7



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.394 ng

RT: 16.59 min Scan# 1527

Delta R.T. 0.01 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

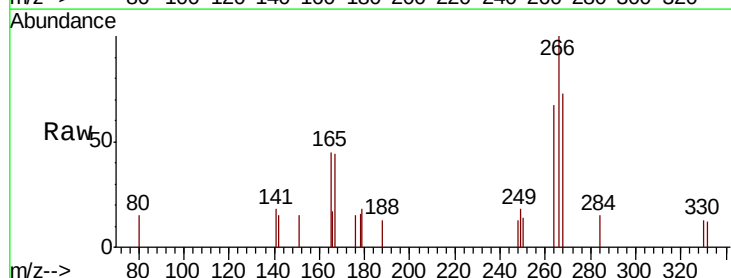
Tgt Ion:266 Resp: 744

Ion Ratio Lower Upper

266 100

264 67.2 54.8 82.2

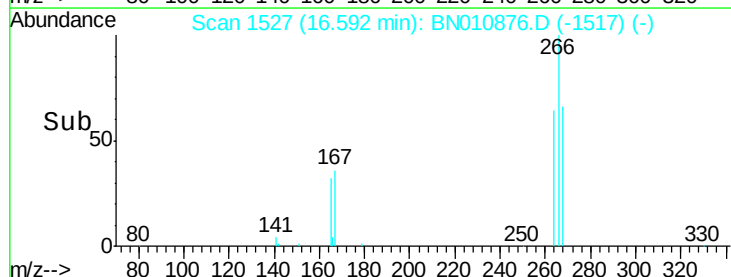
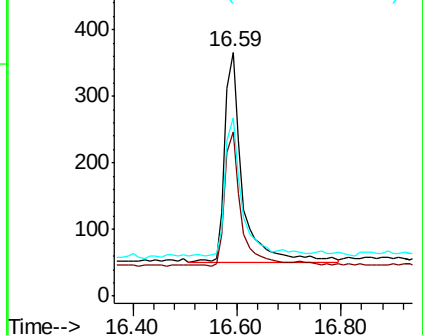
268 73.0 55.9 83.9

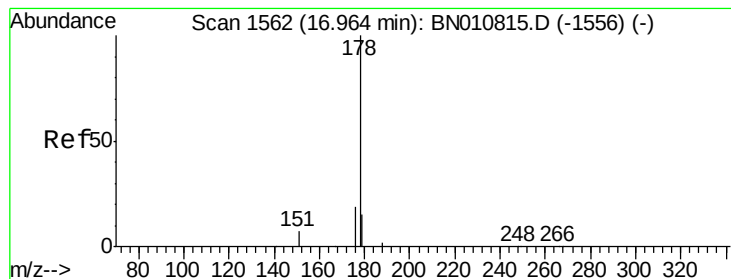


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.420 ng

RT: 16.96 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

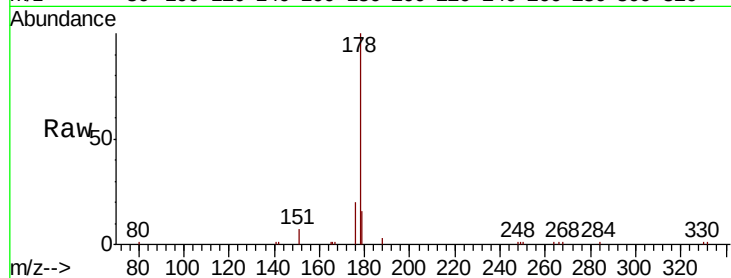
Tot Ion:178 Resp: 10278

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

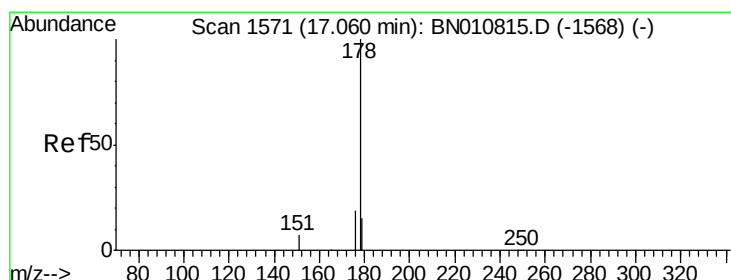
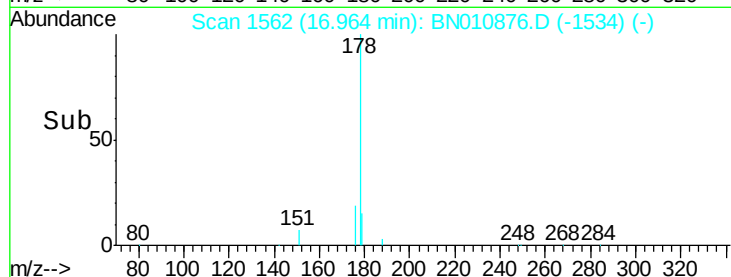
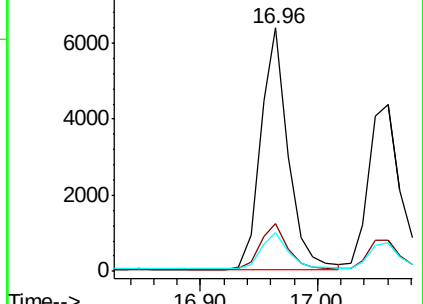
179 15.2 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.417 ng

RT: 17.06 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

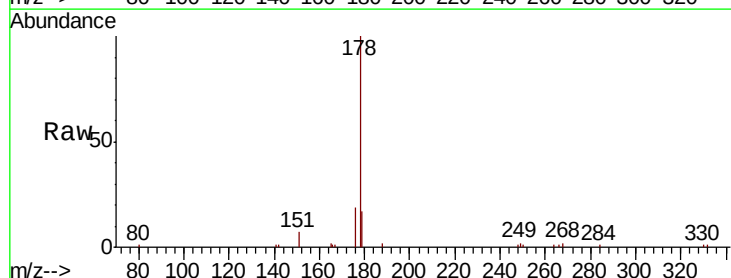
Tgt Ion:178 Resp: 8526

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

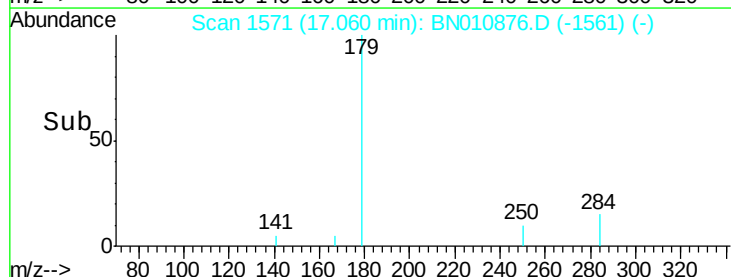
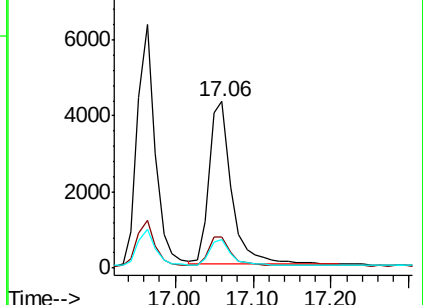
179 15.3 12.3 18.5

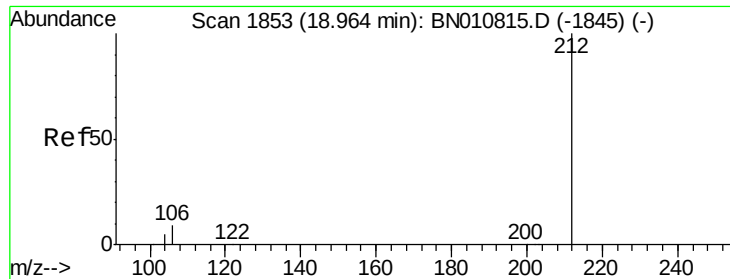


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

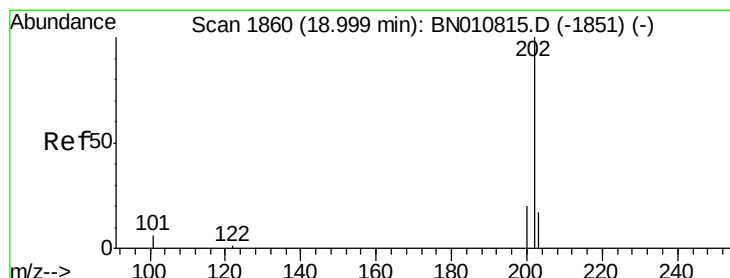
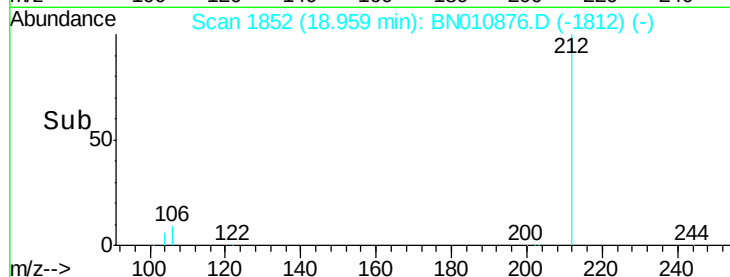
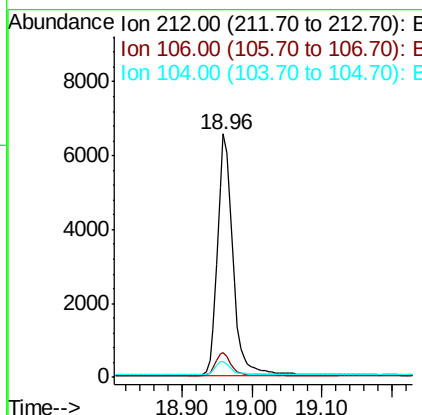
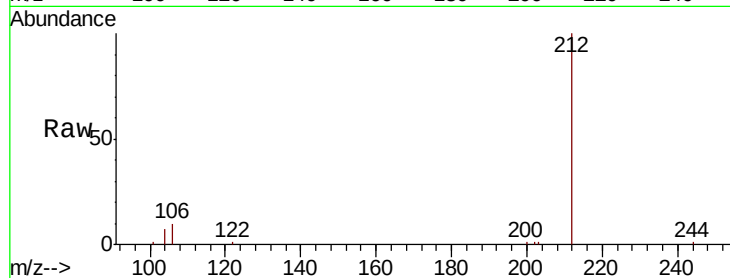




#25  
 Fluoranthene-d10  
 Concen: 0.409 ng  
 RT: 18.96 min Scan# 1852  
 Delta R.T. 0.00 min  
 Lab File: BN010876.D  
 Acq: 15 Jun 2020 16:26

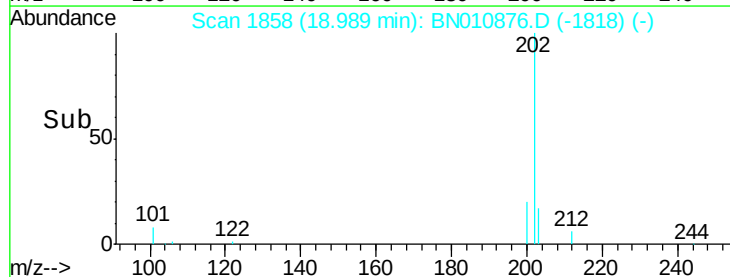
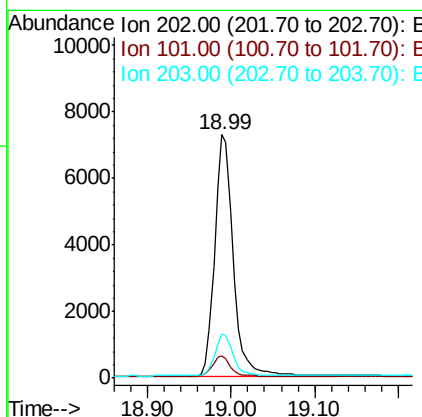
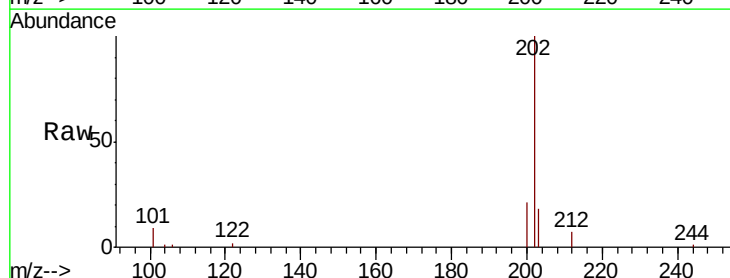
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB129538BSD

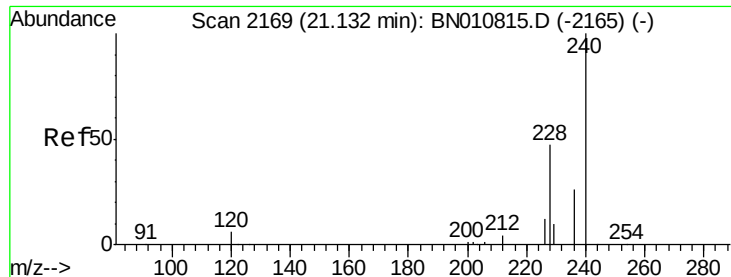
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 9.6   | 6.6   | 10.0  |
| 104     | 5.5   | 4.0   | 6.0   |



#26  
 Fluoranthene  
 Concen: 0.401 ng  
 RT: 18.99 min Scan# 1858  
 Delta R.T. 0.00 min  
 Lab File: BN010876.D  
 Acq: 15 Jun 2020 16:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.5   | 5.8   | 8.6   |
| 203     | 17.2  | 13.7  | 20.5  |

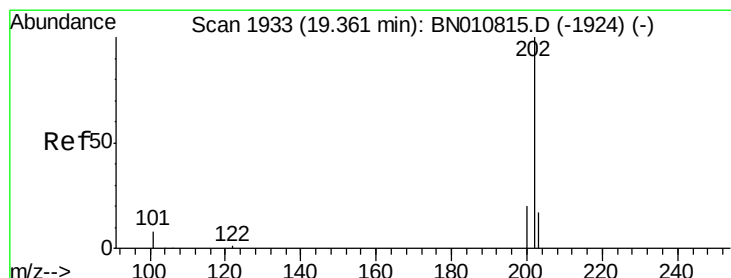
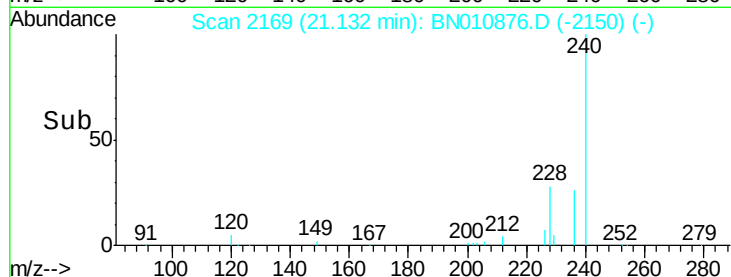
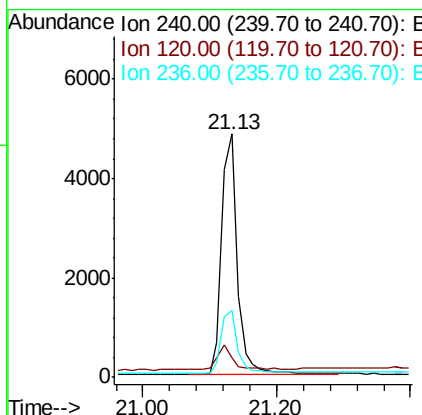
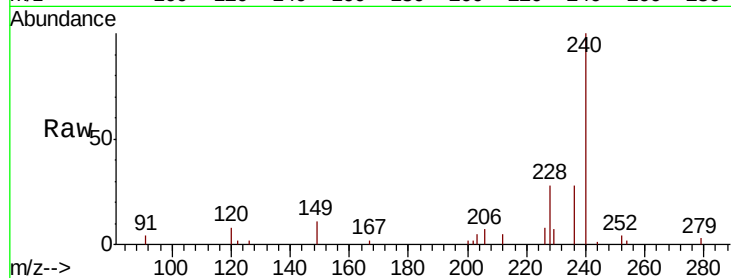




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.13 min Scan# 2169  
Delta R.T. 0.00 min  
Lab File: BN010876.D  
Acq: 15 Jun 2020 16:26

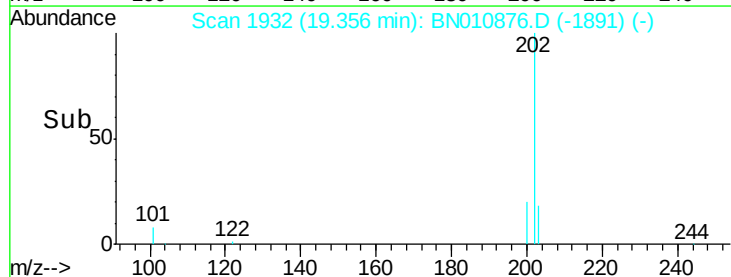
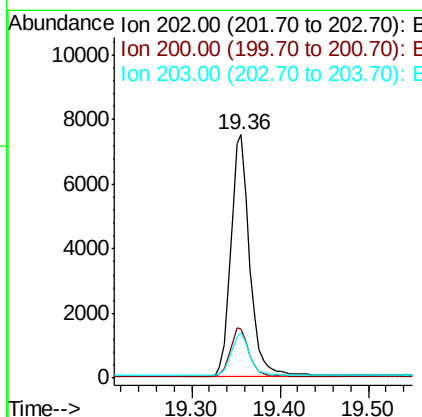
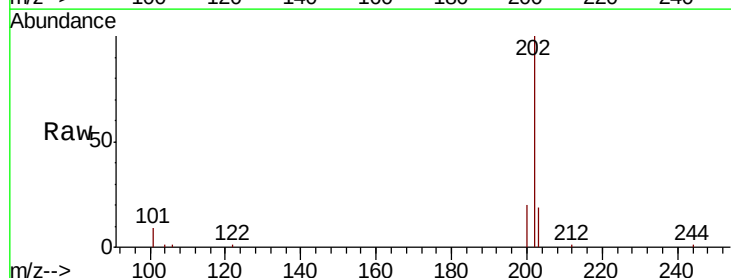
Instrument :  
BNA\_N  
ClientSampleId :  
PB129538BSD

Tot Ion:240 Resp: 7925  
Ion Ratio Lower Upper  
240 100  
120 8.0 7.5 11.3  
236 27.7 22.3 33.5

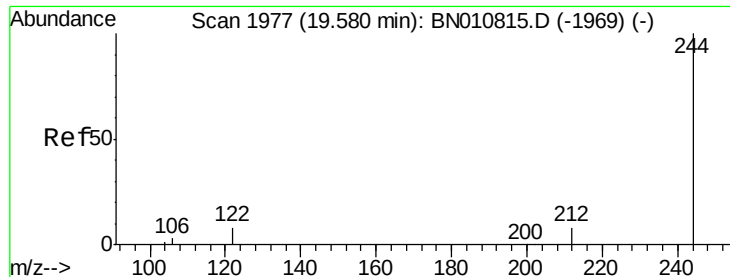


#28  
Pyrene  
Concen: 0.425 ng  
RT: 19.36 min Scan# 1932  
Delta R.T. 0.01 min  
Lab File: BN010876.D  
Acq: 15 Jun 2020 16:26

Tgt Ion:202 Resp: 11150  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.4 24.6  
203 17.7 14.2 21.4







#29

Terphenyl-d14

Concen: 0.423 ng

RT: 19.57 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

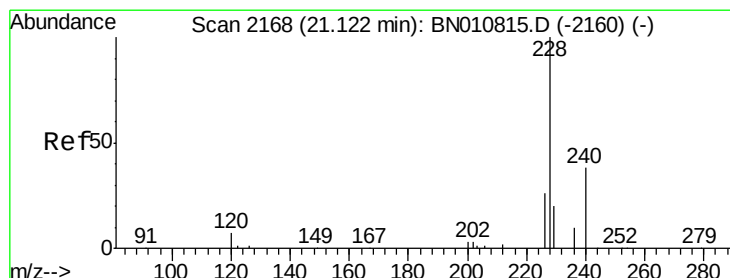
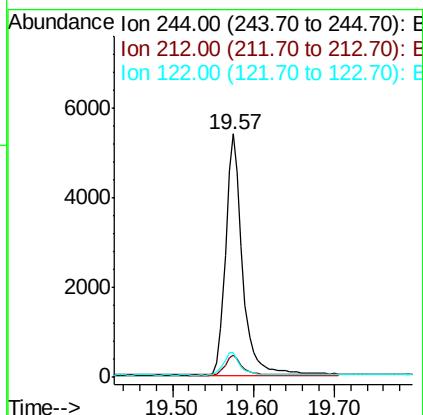
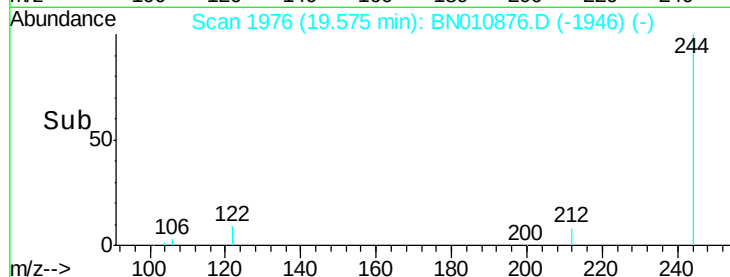
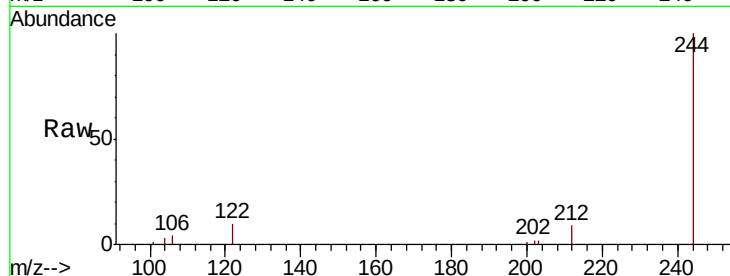
Tot Ion:244 Resp: 7843

Ion Ratio Lower Upper

244 100

212 8.9 7.4 11.2

122 10.2 7.5 11.3



#30

Benzo(a)anthracene

Concen: 0.417 ng

RT: 21.11 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

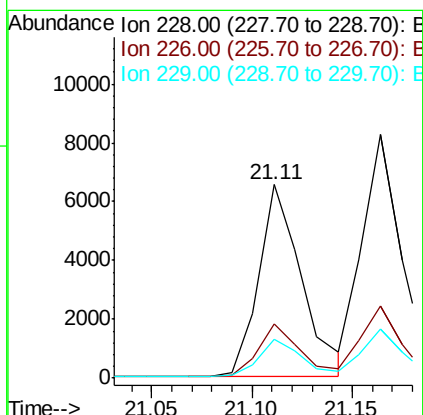
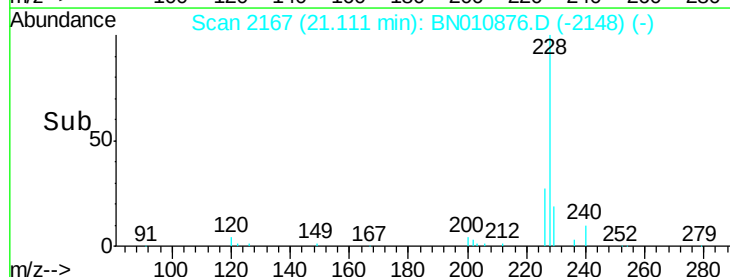
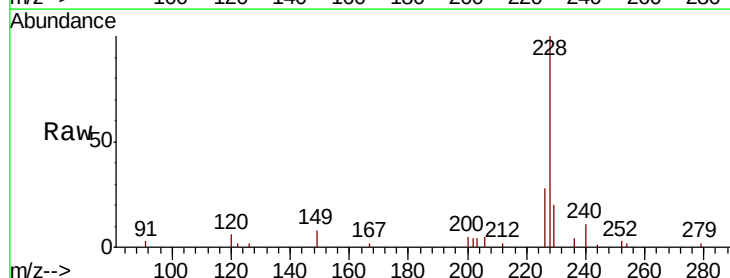
Tgt Ion:228 Resp: 9722

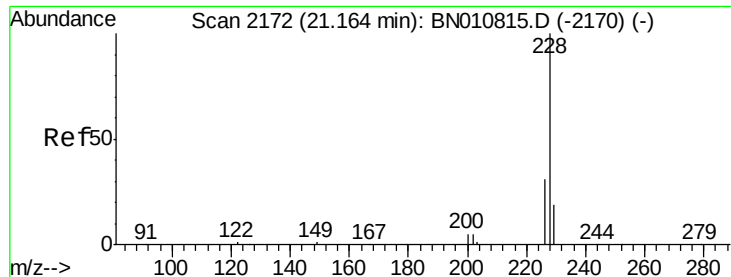
Ion Ratio Lower Upper

228 100

226 27.7 21.3 31.9

229 20.1 16.6 24.8





#31

Chrysene

Concen: 0.413 ng

RT: 21.16 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

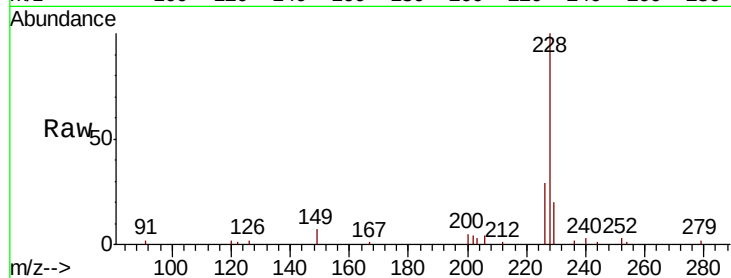
Tot Ion:228 Resp: 11226

Ion Ratio Lower Upper

228 100

226 29.4 25.0 37.6

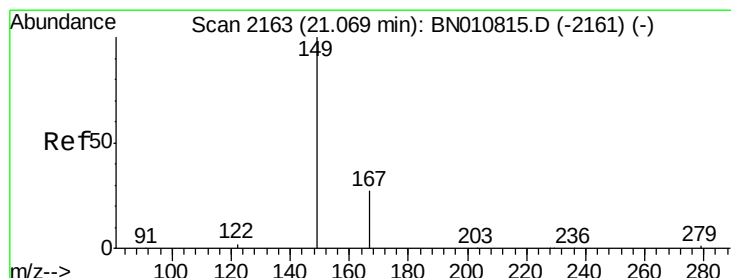
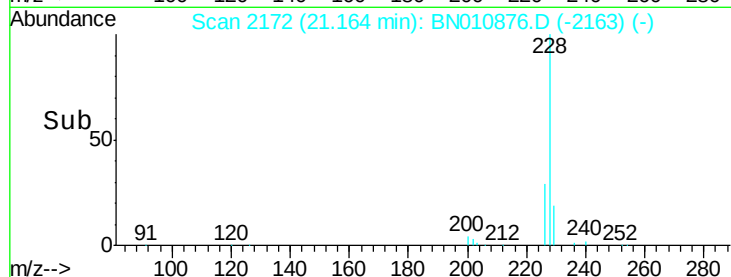
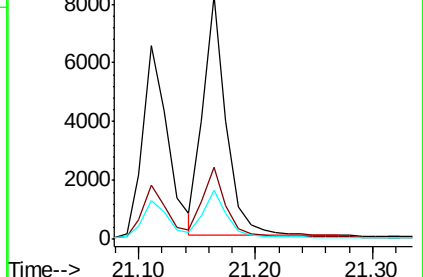
229 20.0 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.460 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

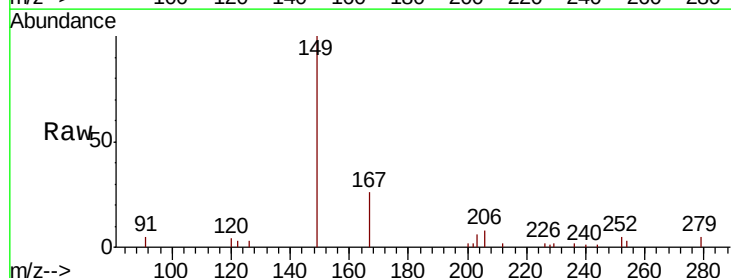
Tgt Ion:149 Resp: 3569

Ion Ratio Lower Upper

149 100

167 26.9 24.1 36.1

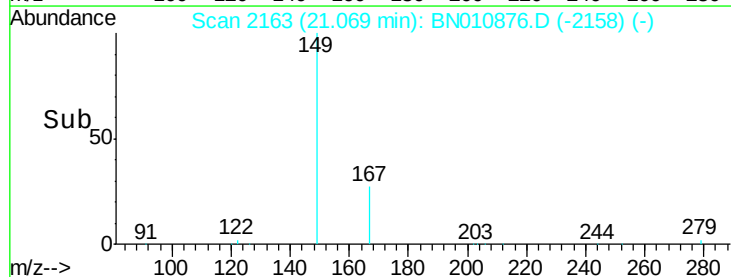
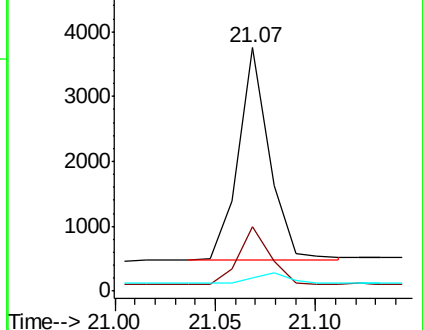
279 5.4 4.6 7.0

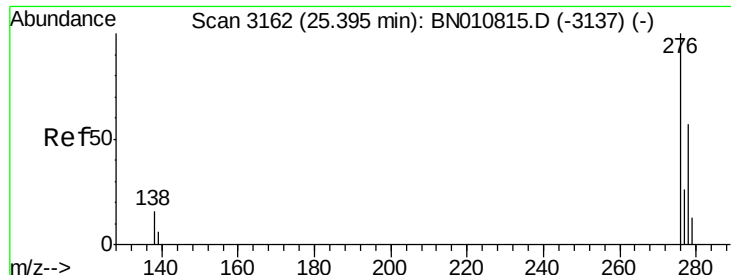


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.440 ng

RT: 25.39 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

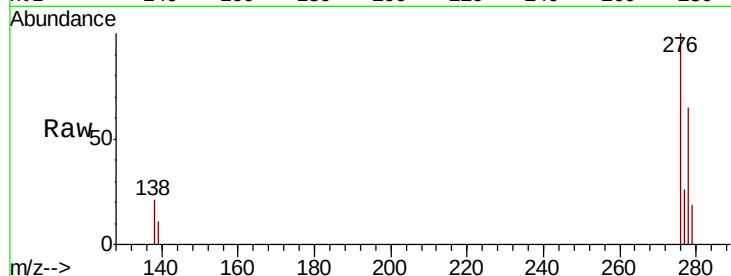
Tot Ion:276 Resp: 13346

Ion Ratio Lower Upper

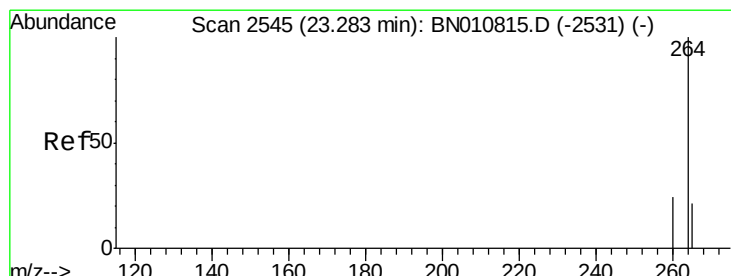
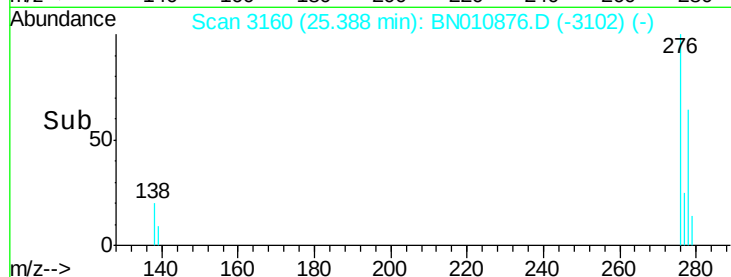
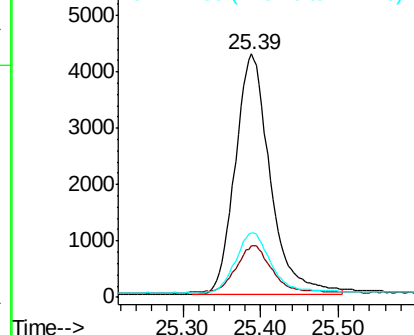
276 100

138 21.0 13.0 19.6#

277 25.1 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.28 min Scan# 2543

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

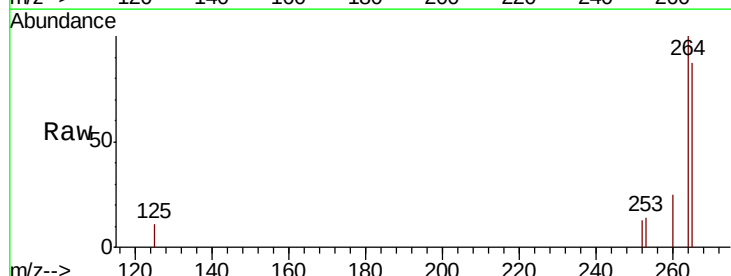
Tgt Ion:264 Resp: 8424

Ion Ratio Lower Upper

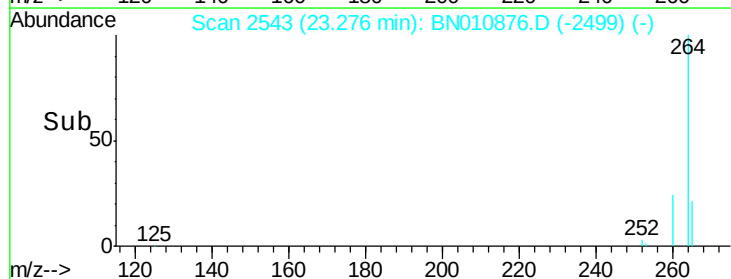
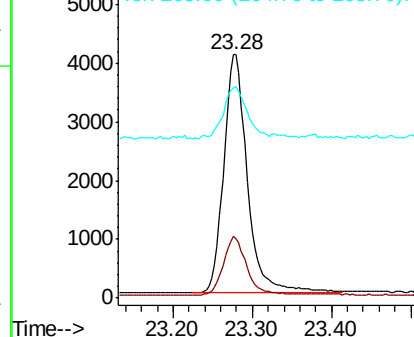
264 100

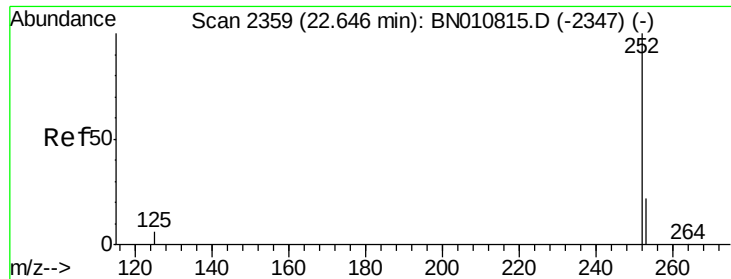
260 25.2 20.4 30.6

265 86.6 75.0 112.4



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

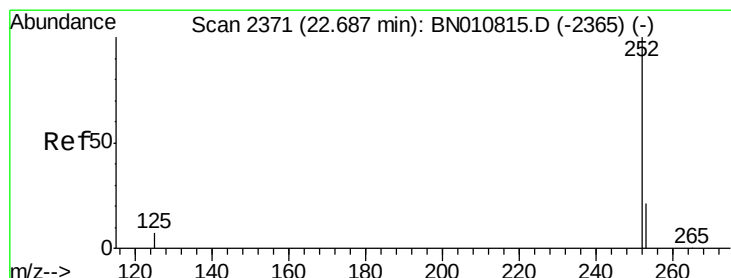
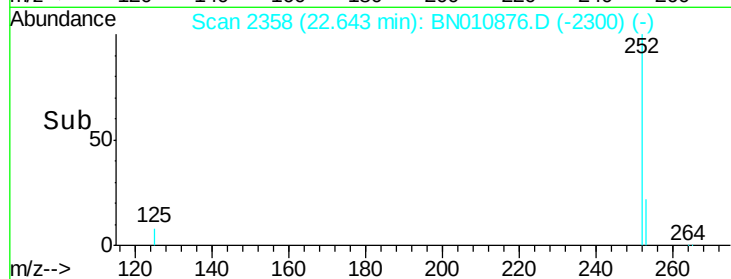
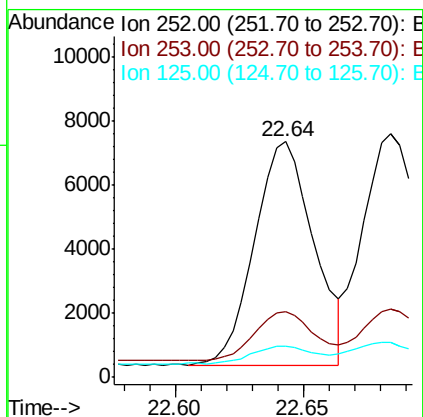
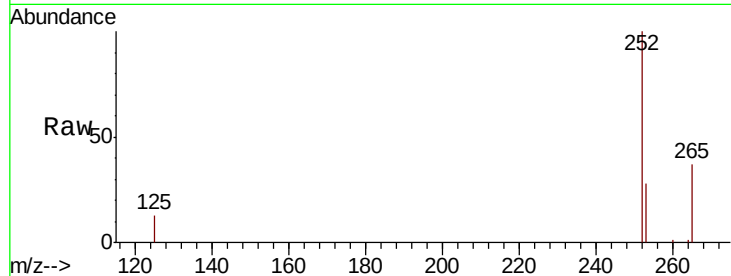




#35  
Benzo(b)fluoranthene  
Concen: 0.391 ng  
RT: 22.64 min Scan# 2358  
Delta R.T. 0.00 min  
Lab File: BN010876.D  
Acq: 15 Jun 2020 16:26

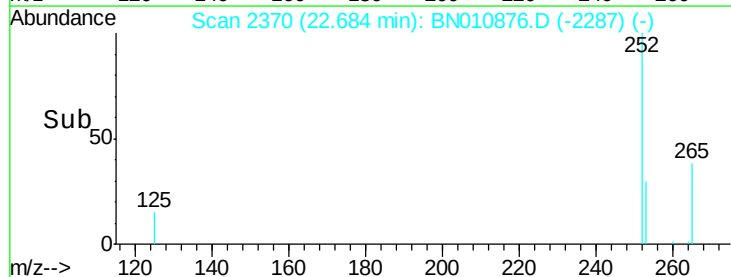
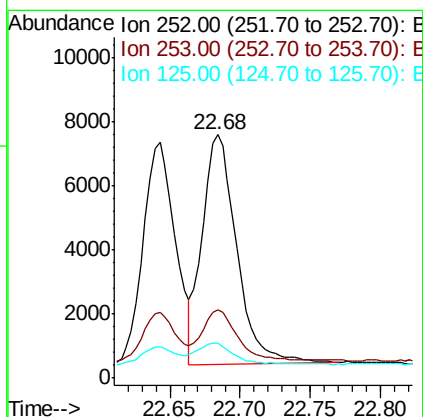
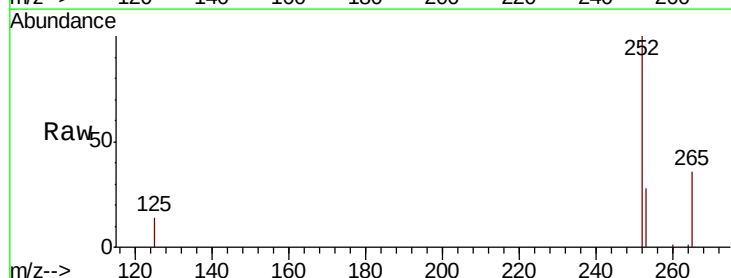
Instrument :  
BNA\_N  
ClientSampleId :  
PB129538BSD

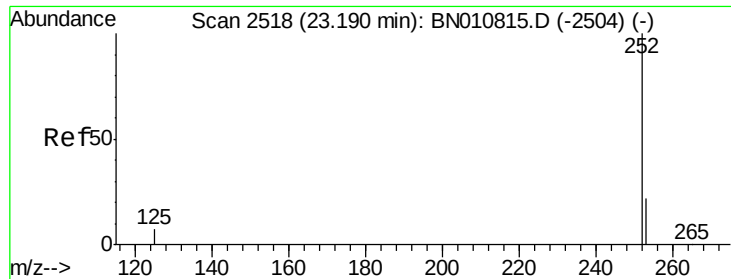
Tot Ion:252 Resp: 11196  
Ion Ratio Lower Upper  
252 100  
253 28.1 22.4 33.6  
125 13.2 9.4 14.0



#36  
Benzo(k)fluoranthene  
Concen: 0.399 ng  
RT: 22.68 min Scan# 2370  
Delta R.T. 0.00 min  
Lab File: BN010876.D  
Acq: 15 Jun 2020 16:26

Tgt Ion:252 Resp: 12168  
Ion Ratio Lower Upper  
252 100  
253 28.2 22.2 33.4  
125 14.2 9.8 14.8





#37

Benzo(a)pyrene

Concen: 0.397 ng

RT: 23.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

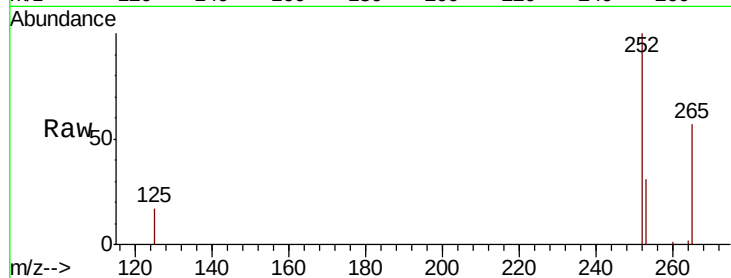
Tot Ion:252 Resp: 9761

Ion Ratio Lower Upper

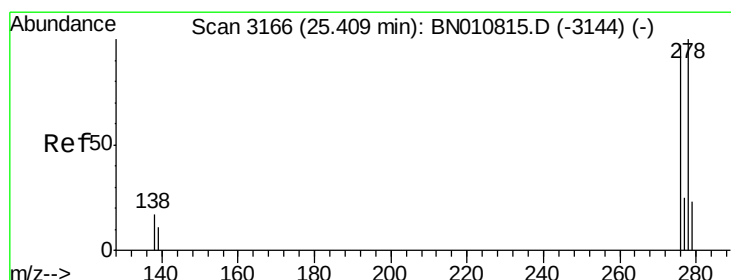
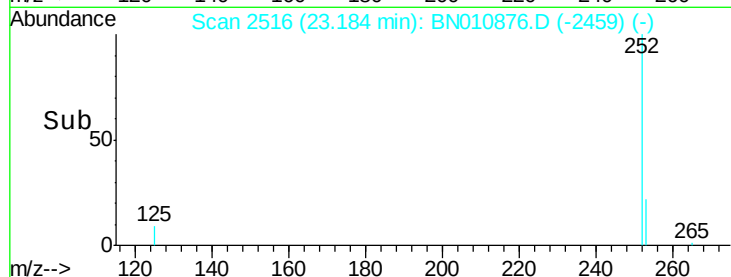
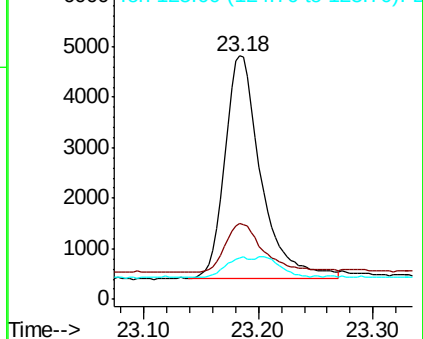
252 100

253 31.3 25.8 38.8

125 17.2 12.4 18.6



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.396 ng

RT: 25.40 min Scan# 3163

Delta R.T. -0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

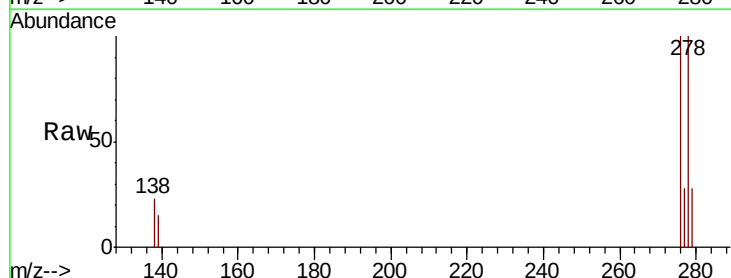
Tgt Ion:278 Resp: 11092

Ion Ratio Lower Upper

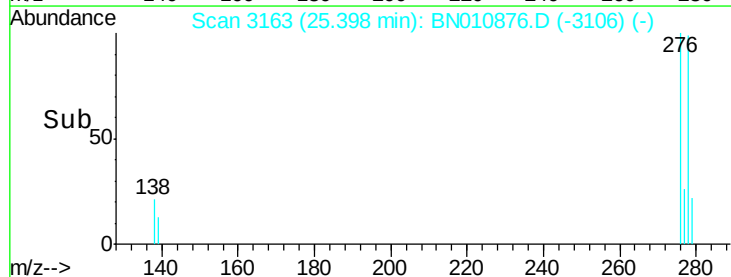
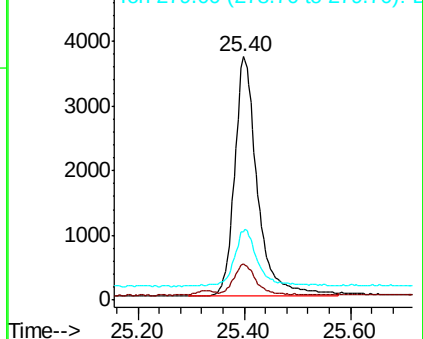
278 100

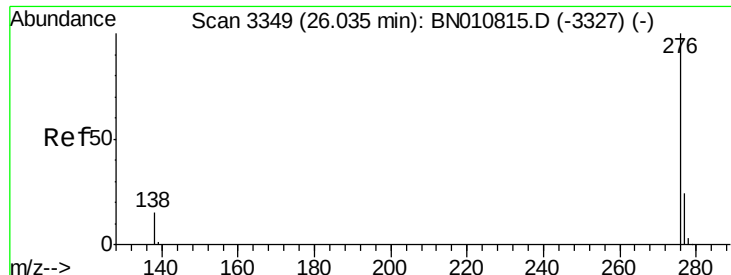
139 14.9 10.6 15.8

279 27.9 23.6 35.4



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.396 ng

RT: 26.02 min Scan# 3346

Delta R.T. 0.00 min

Lab File: BN010876.D

Acq: 15 Jun 2020 16:26

Instrument :

BNA\_N

ClientSampleId :

PB129538BSD

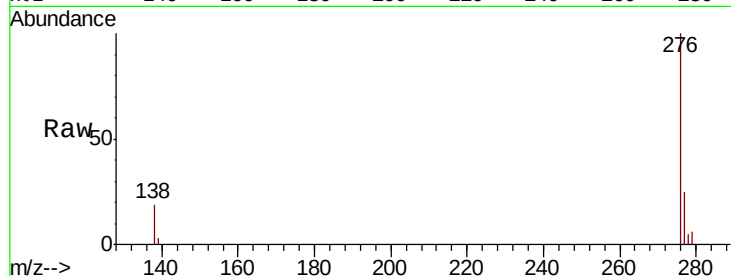
Tot Ion:276 Resp: 11606

Ion Ratio Lower Upper

276 100

277 25.3 20.5 30.7

138 19.4 13.7 20.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

