

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\  
 Data File : BN007548.D  
 Acq On : 06 Sep 2019 18:59  
 Operator : HP/JU  
 Sample : PB122825BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Sep 07 00:02:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 12:18:45 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 5716     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.14 | 136  | 22991    | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.03 | 164  | 12190    | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 16.79 | 188  | 27948    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.02 | 240  | 25748    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.11 | 264  | 28695    | 0.40 | ng    | -0.02    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.02  | 112 | 6683  | 0.33 | ng | -0.02 |
| 5) Phenol-d6                | 6.58  | 99  | 8052  | 0.31 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.53  | 82  | 7009  | 0.35 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 11.75 | 152 | 14166 | 0.37 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.54 | 330 | 1811  | 0.28 | ng | -0.02 |
| 15) 2-Fluorobiphenyl        | 12.65 | 172 | 19819 | 0.40 | ng | 0.00  |
| 25) Fluoranthene-d10        | 18.83 | 212 | 31680 | 0.35 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.46 | 244 | 26273 | 0.39 | ng | -0.01 |

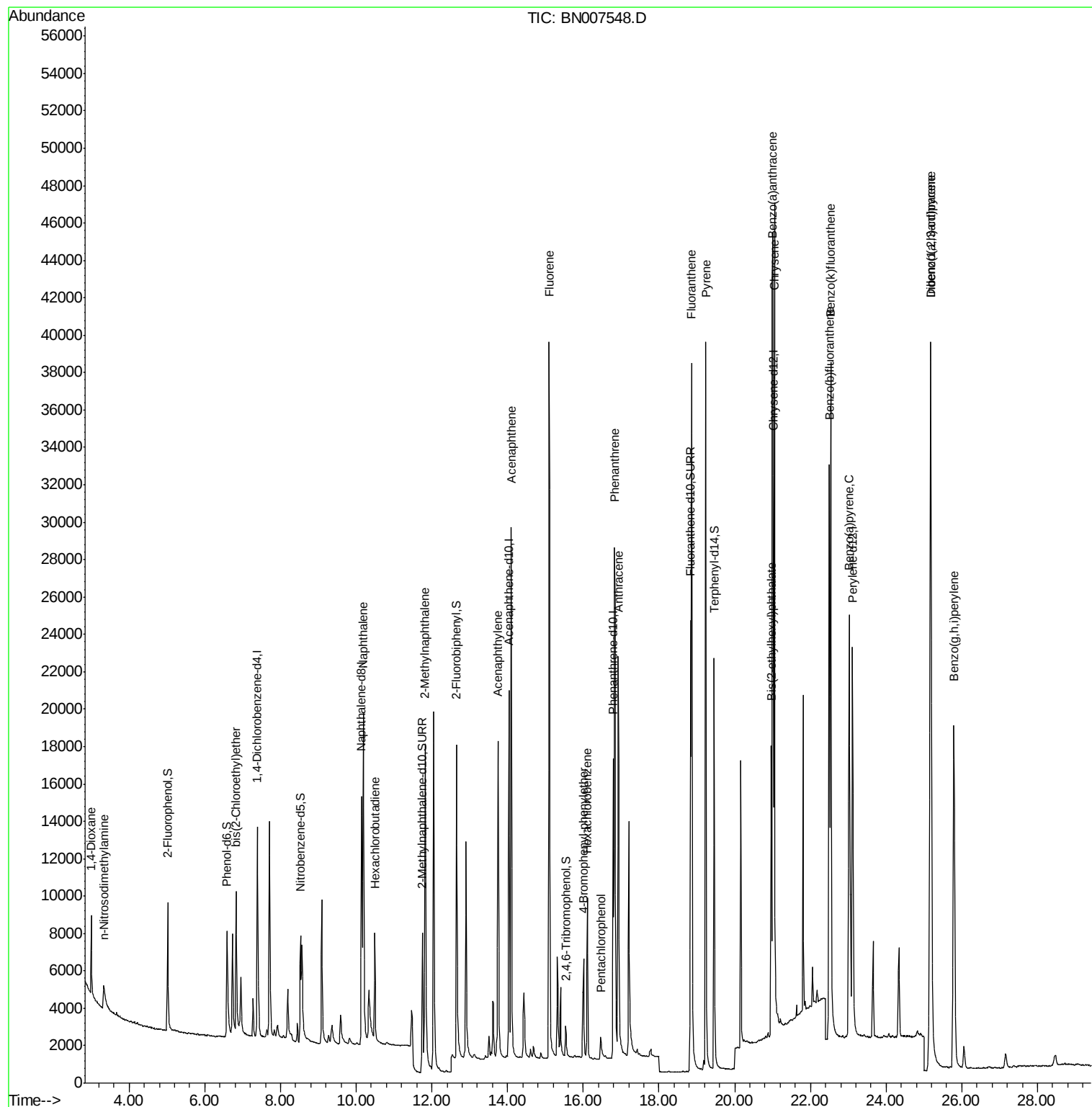
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.00  | 88  | 3989  | 0.420  | ng | # 83 |
| 3) n-Nitrosodimethylamine      | 3.33  | 42  | 1242  | 0.281  | ng | 78   |
| 6) bis(2-Chloroethyl)ether     | 6.83  | 93  | 7531  | 0.365  | ng | 99   |
| 9) Naphthalene                 | 10.19 | 128 | 26157 | 0.398  | ng | # 90 |
| 10) Hexachlorobutadiene        | 10.49 | 225 | 4762  | 0.354  | ng | # 97 |
| 12) 2-Methylnaphthalene        | 11.82 | 142 | 17009 | 0.380  | ng | 95   |
| 16) Acenaphthylene             | 13.75 | 152 | 23709 | 0.329  | ng | 99   |
| 17) Acenaphthene               | 14.10 | 154 | 16477 | 0.390  | ng | 98   |
| 18) Fluorene                   | 15.09 | 166 | 20776 | 0.389  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248 | 2292  | 0.208  | ng | # 92 |
| 21) Hexachlorobenzene          | 16.10 | 284 | 7260  | 0.388  | ng | 98   |
| 22) Pentachlorophenol          | 16.46 | 266 | 1247  | 0.214  | ng | # 68 |
| 23) Phenanthrene               | 16.83 | 178 | 33521 | 0.399  | ng | 99   |
| 24) Anthracene                 | 16.92 | 178 | 28660 | 0.339  | ng | 99   |
| 26) Fluoranthene               | 18.86 | 202 | 39144 | 0.363  | ng | 98   |
| 28) Pyrene                     | 19.23 | 202 | 40098 | 0.387  | ng | 99   |
| 30) Benzo(a)anthracene         | 20.99 | 228 | 36059 | 0.357  | ng | 99   |
| 31) Chrysene                   | 21.05 | 228 | 38794 | 0.397  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149 | 15331 | 0.215  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.17 | 276 | 48230 | 0.410  | ng | # 95 |
| 35) Benzo(b)fluoranthene       | 22.49 | 252 | 39009 | 0.375  | ng | 96   |
| 36) Benzo(k)fluoranthene       | 22.53 | 252 | 44479 | 0.433  | ng | # 94 |
| 37) Benzo(a)pyrene             | 23.02 | 252 | 36859 | 0.373  | ng | 97   |
| 38) Dibenzo(a,h)anthracene     | 25.18 | 278 | 38334 | 0.388  | ng | 97   |
| 39) Benzo(g,h,i)perylene       | 25.79 | 276 | 38889 | 0.395  | ng | 99   |

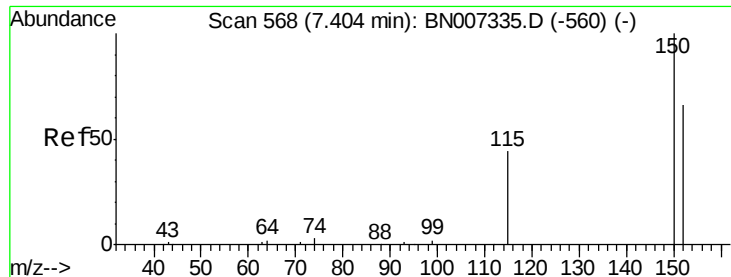
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 29 12:18:45 2019  
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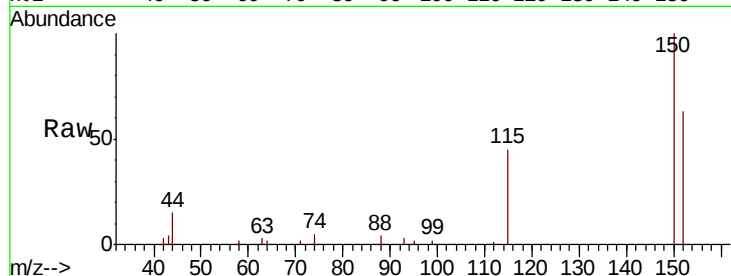


#1

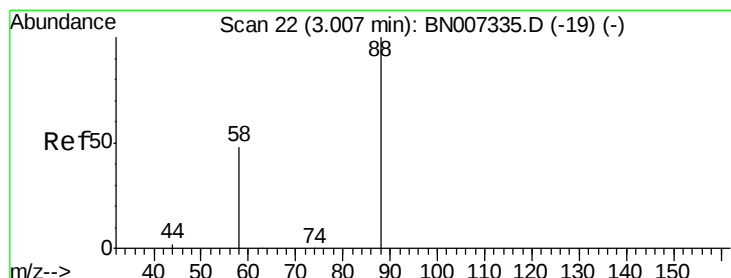
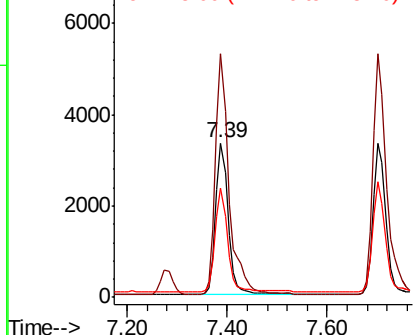
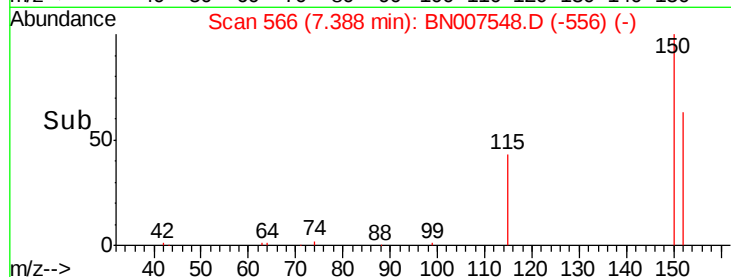
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 566  
Delta R.T. -0.02 min  
Lab File: BN007548.D  
Acq: 06 Sep 2019 18:59

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 5716  
Ion Ratio Lower Upper  
152 100  
150 157.7 109.1 163.7  
115 70.4 59.6 89.4



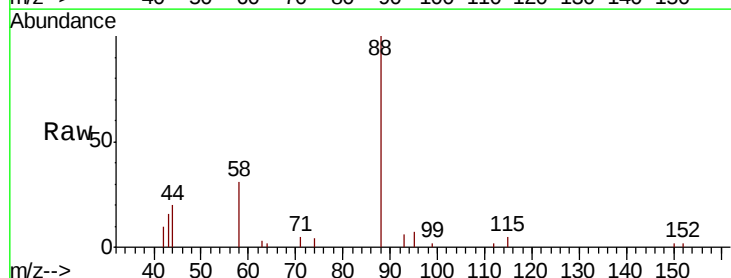
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



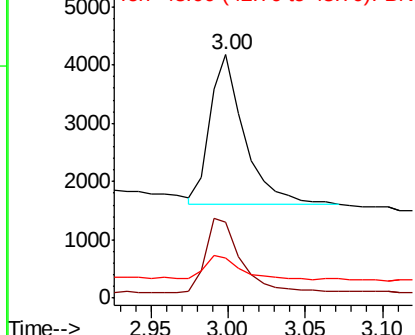
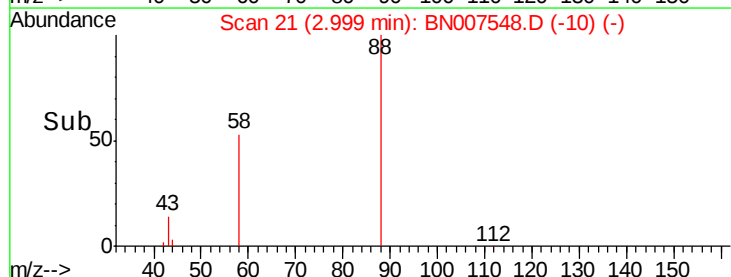
#2

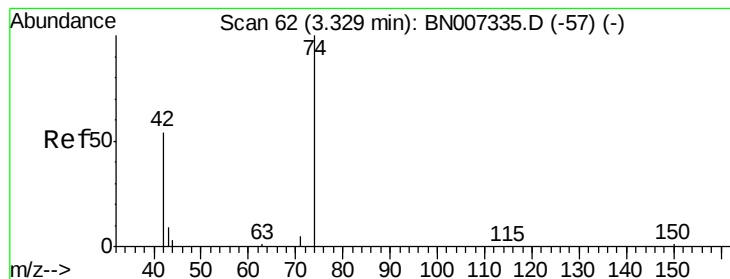
1,4-Dioxane  
Concen: 0.420 ng  
RT: 3.00 min Scan# 21  
Delta R.T. -0.01 min  
Lab File: BN007548.D  
Acq: 06 Sep 2019 18:59

Tgt Ion: 88 Resp: 3989  
Ion Ratio Lower Upper  
88 100  
58 49.8 50.5 75.7#  
43 15.2 0.0 0.0#



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



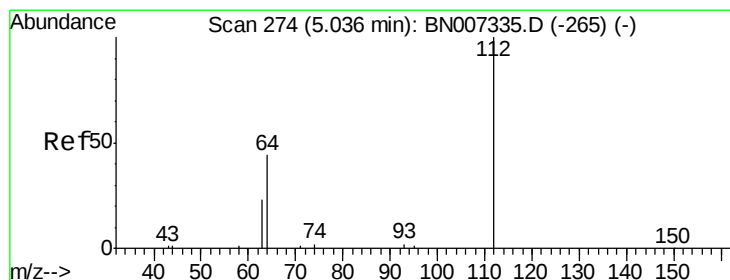
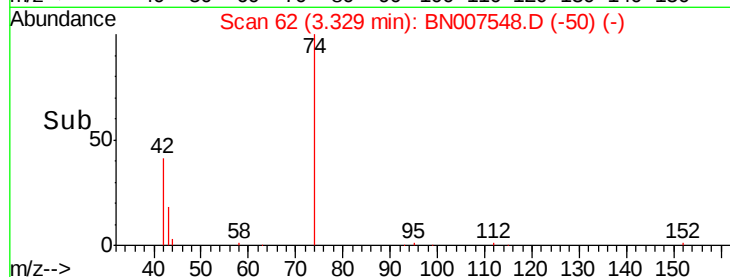
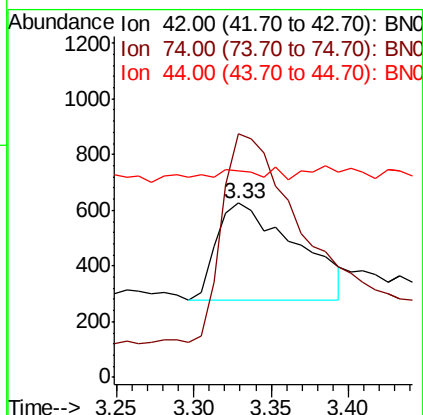
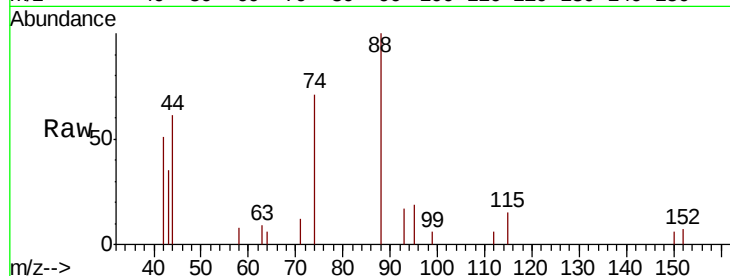


#3

n-Nitrosodimethylamine  
 Concen: 0.281 ng  
 RT: 3.33 min Scan# 62  
 Delta R.T. -0.00 min  
 Lab File: BN007548.D  
 Acq: 06 Sep 2019 18:59

Instrument :  
 BNA\_N  
 ClientSampled :

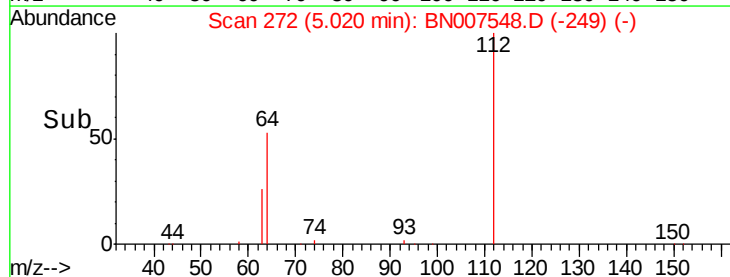
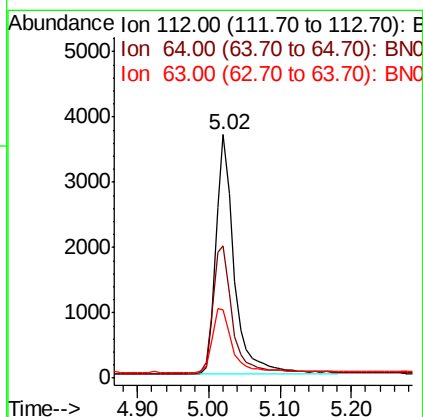
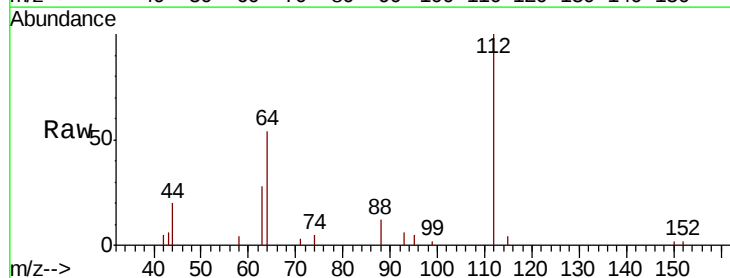
Tot Ion: 42 Resp: 1242  
 Ion Ratio Lower Upper  
 42 100  
 74 212.6 144.7 217.1  
 44 3.6 3.2 4.8



#4

2-Fluorophenol  
 Concen: 0.332 ng  
 RT: 5.02 min Scan# 272  
 Delta R.T. -0.02 min  
 Lab File: BN007548.D  
 Acq: 06 Sep 2019 18:59

Tgt Ion: 112 Resp: 6683  
 Ion Ratio Lower Upper  
 112 100  
 64 56.2 42.3 63.5  
 63 28.6 23.6 35.4





#5

Phenol-d6

Concen: 0.313 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :

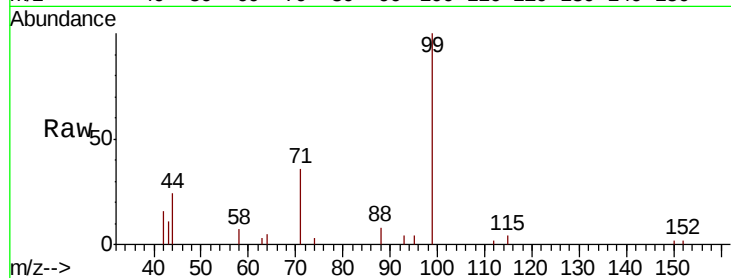
Tot Ion: 99 Resp: 8052

Ion Ratio Lower Upper

99 100

42 11.5 11.2 16.8

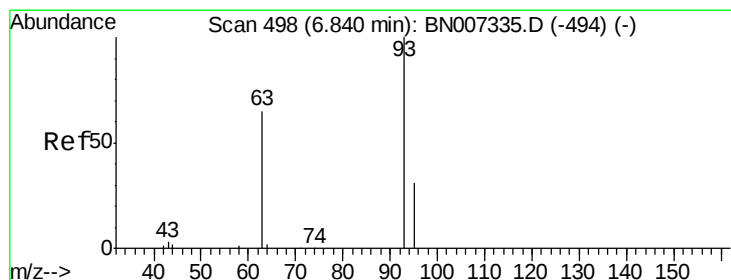
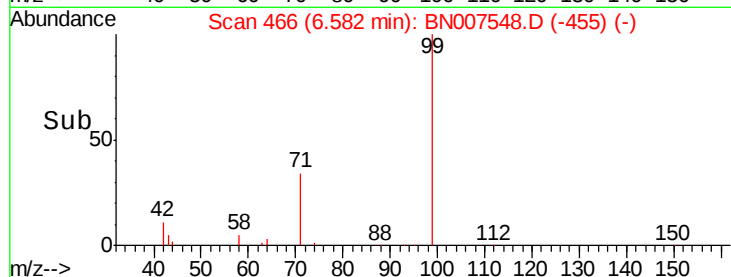
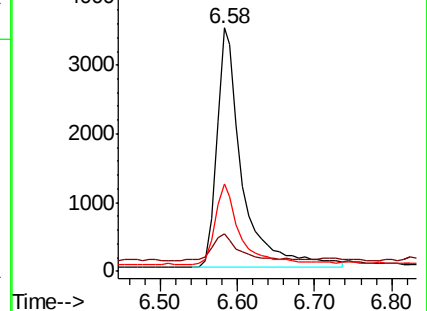
71 34.0 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007548.D (-466) (-)

Ion 42.00 (41.70 to 42.70): BN007548.D (-466) (-)

Ion 71.00 (70.70 to 71.70): BN007548.D (-466) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.365 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

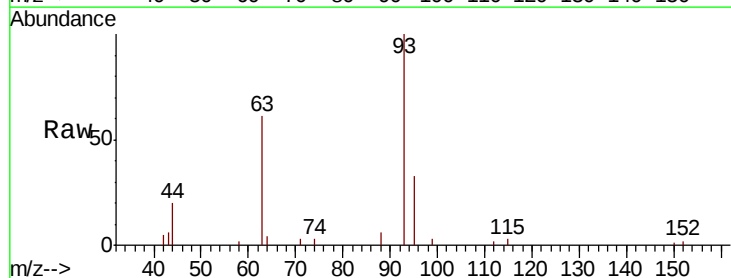
Tgt Ion: 93 Resp: 7531

Ion Ratio Lower Upper

93 100

63 66.3 51.9 77.9

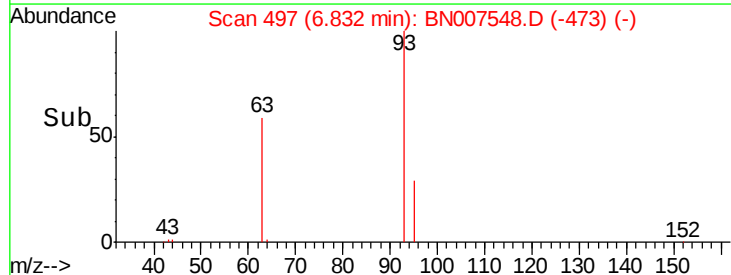
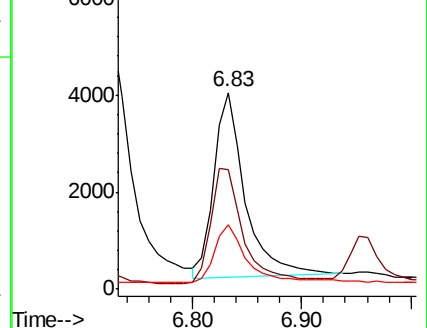
95 34.6 27.7 41.5

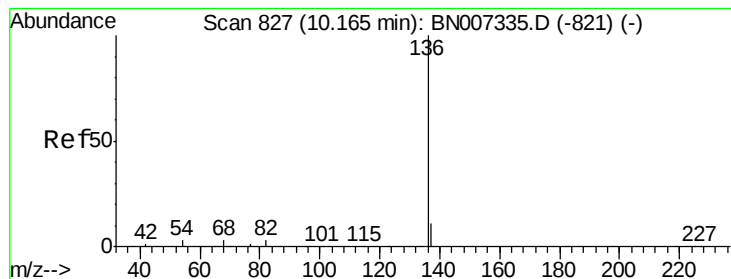


Abundance Ion 93.00 (92.70 to 93.70): BN007548.D (-497) (-)

Ion 63.00 (62.70 to 63.70): BN007548.D (-497) (-)

Ion 95.00 (94.70 to 95.70): BN007548.D (-497) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. -0.03 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 22991

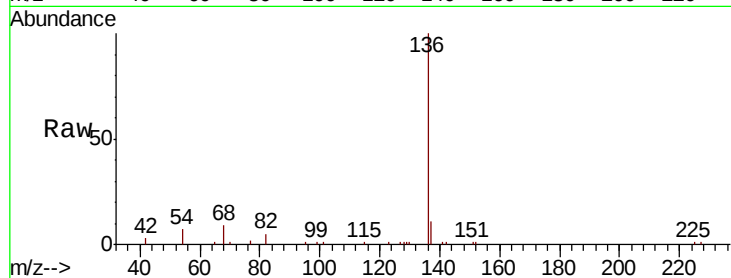
Ion Ratio Lower Upper

136 100

137 11.3 12.9 19.3#

54 6.8 8.6 12.8#

68 8.5 17.0 25.4#

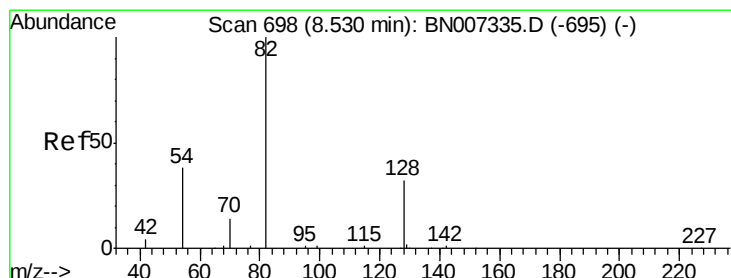
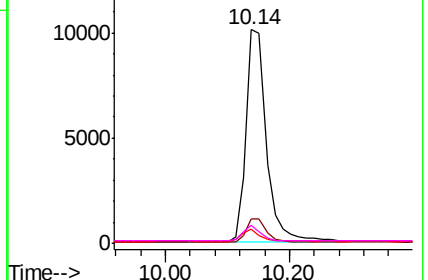
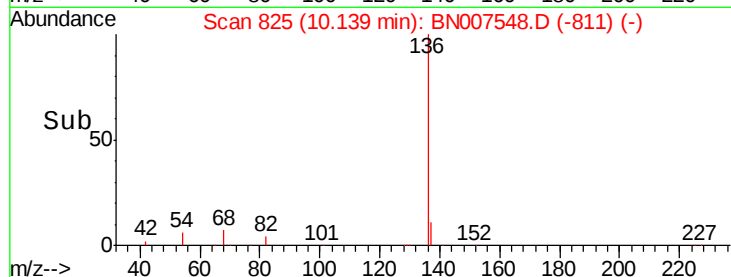


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.350 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

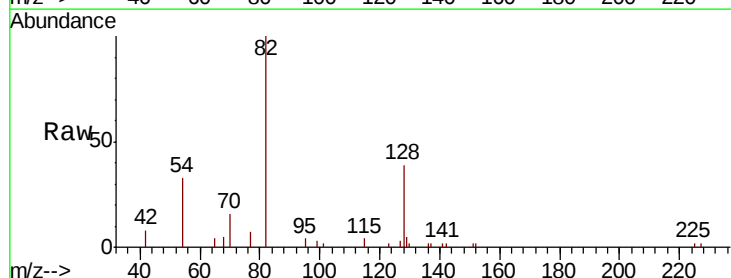
Tgt Ion: 82 Resp: 7009

Ion Ratio Lower Upper

82 100

128 39.5 19.7 29.5#

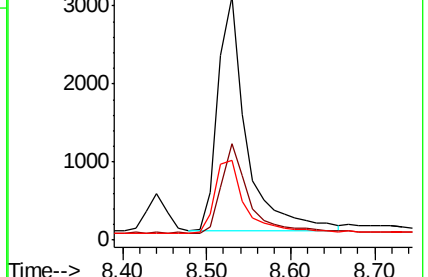
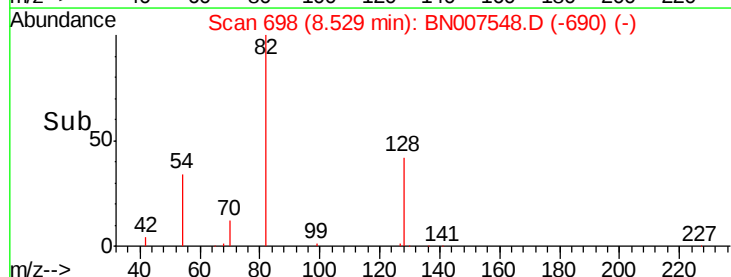
54 32.8 25.8 38.6



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: 0.398 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :

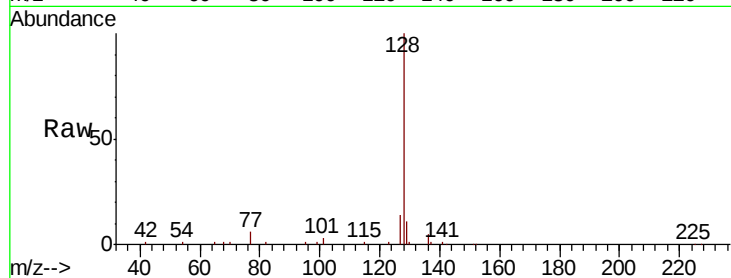
Tot Ion:128 Resp: 26157

Ion Ratio Lower Upper

128 100

129 11.4 11.1 16.7

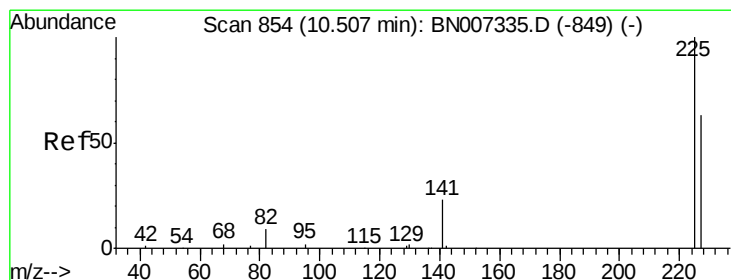
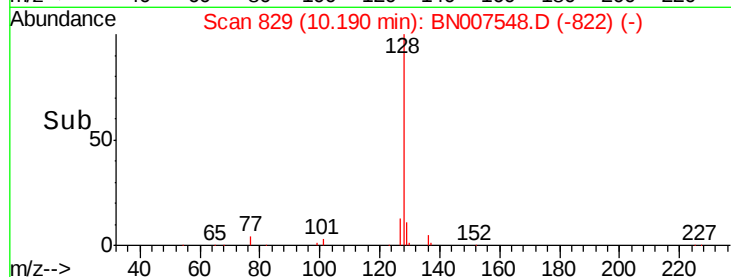
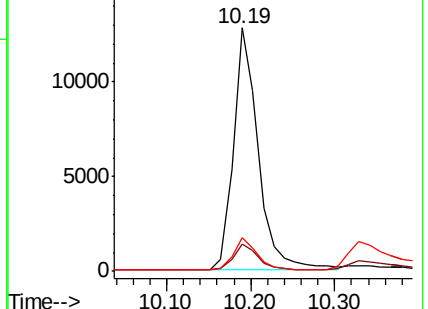
127 13.8 15.5 23.3#



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: 0.354 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

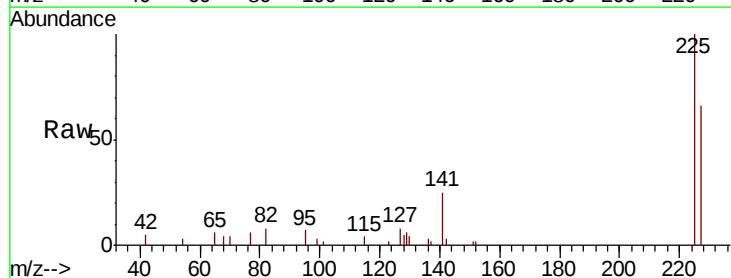
Tgt Ion:225 Resp: 4762

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

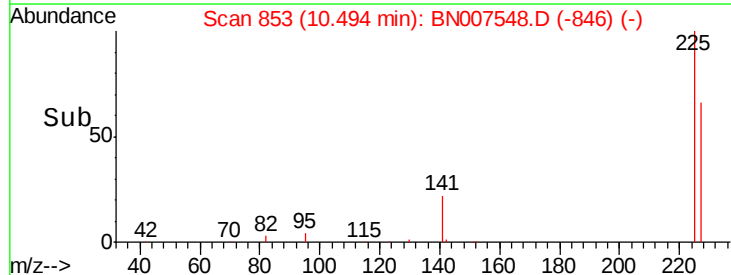
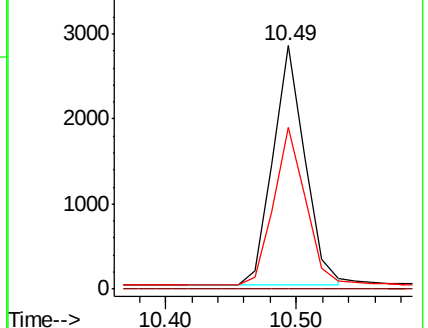
227 65.7 50.7 76.1

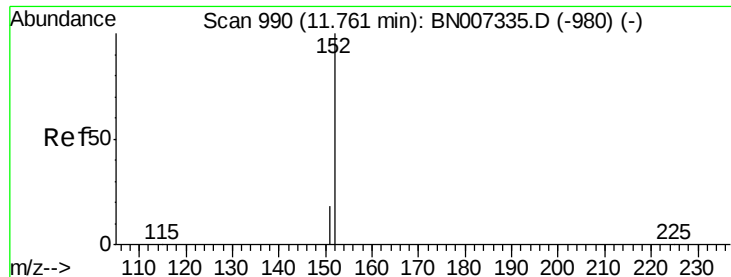


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

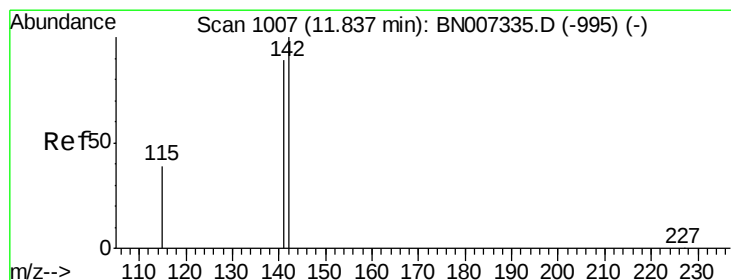
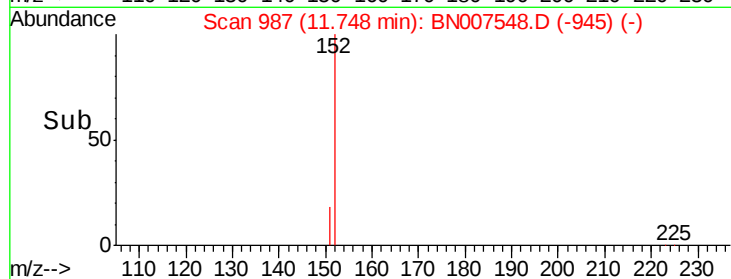
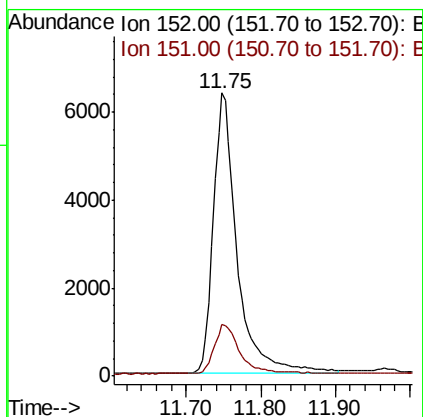
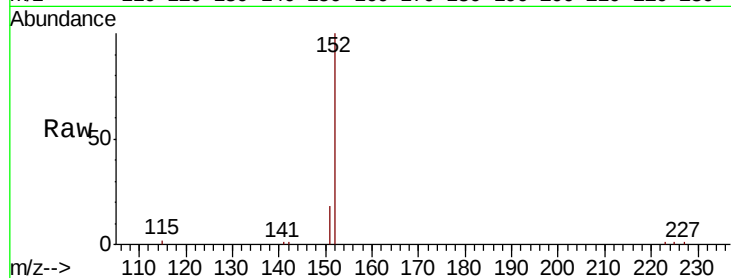




#11  
2-Methylnaphthalene-d10  
Concen: 0.371 ng  
RT: 11.75 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: BN007548.D  
Acq: 06 Sep 2019 18:59

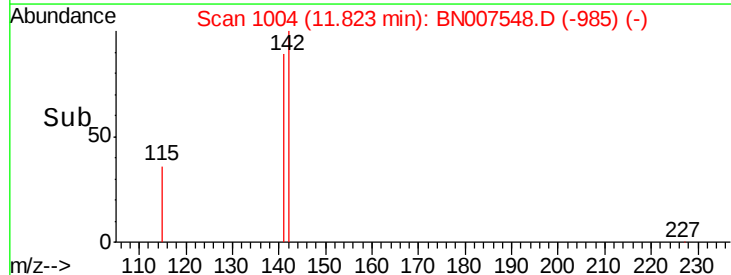
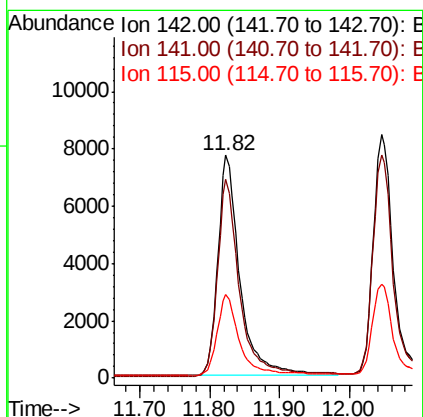
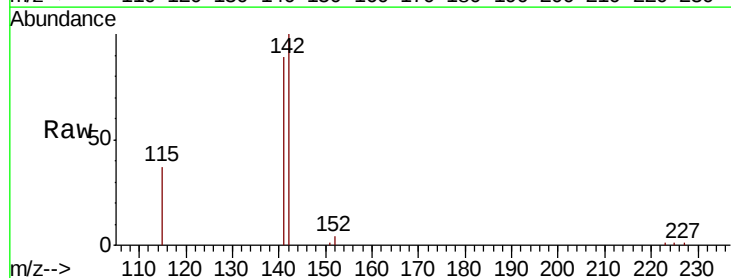
Instrument :  
BNA\_N  
ClientSampleId :

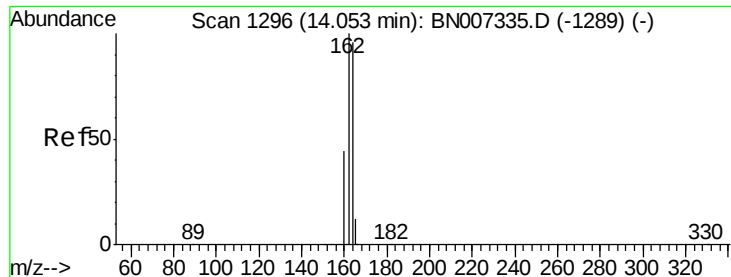
Tot Ion:152 Resp: 14166  
Ion Ratio Lower Upper  
152 100  
151 19.2 16.2 24.2



#12  
2-Methylnaphthalene  
Concen: 0.380 ng  
RT: 11.82 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BN007548.D  
Acq: 06 Sep 2019 18:59

Tgt Ion:142 Resp: 17009  
Ion Ratio Lower Upper  
142 100  
141 89.2 72.8 109.2  
115 37.3 35.2 52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :

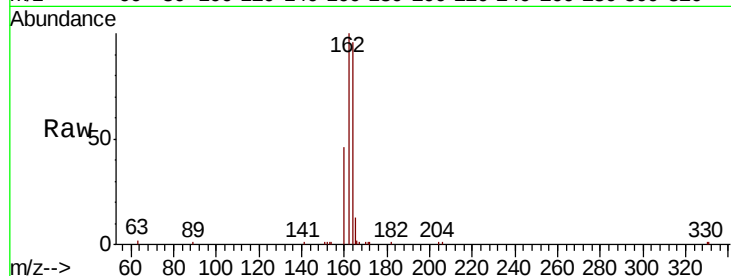
Tot Ion:164 Resp: 12190

Ion Ratio Lower Upper

164 100

162 104.3 83.5 125.3

160 48.0 38.2 57.4

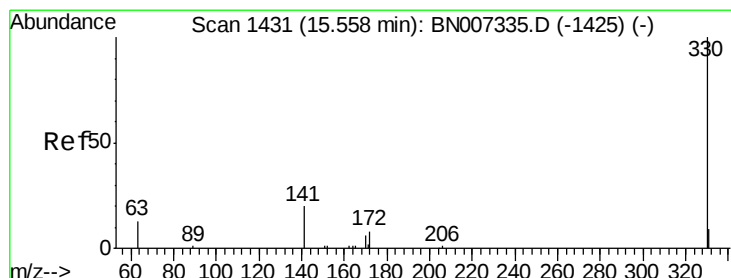
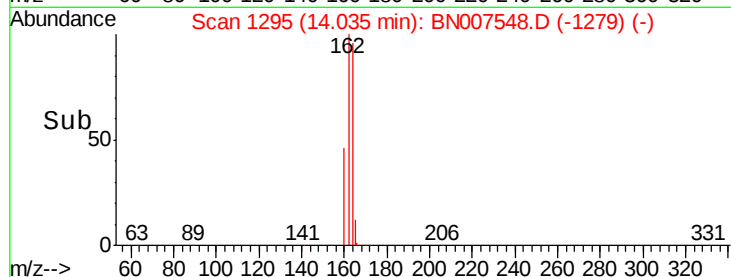
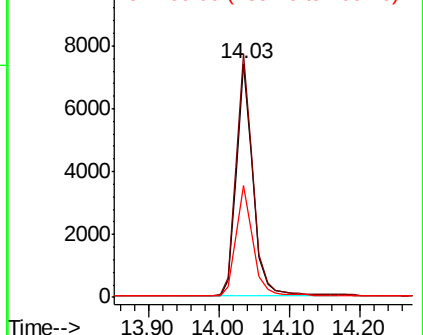


Abundance

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: 0.284 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

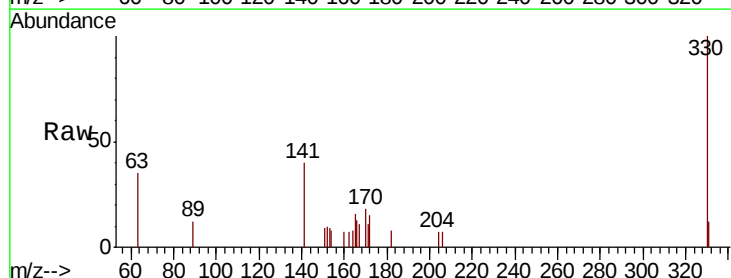
Tgt Ion:330 Resp: 1811

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 32.9 26.9 40.3

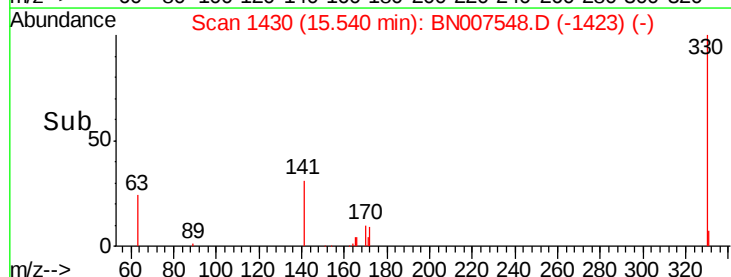
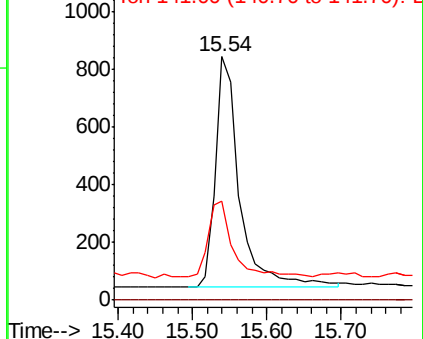


Abundance

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

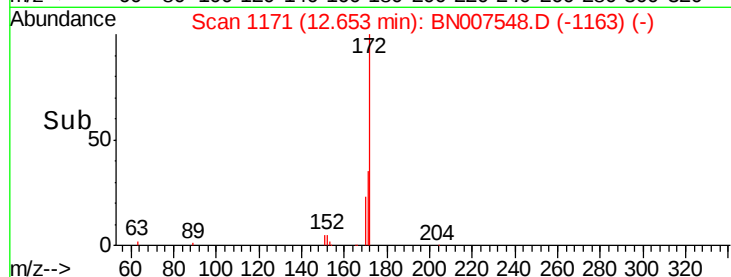
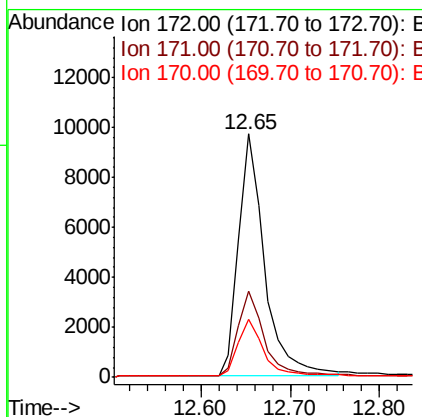
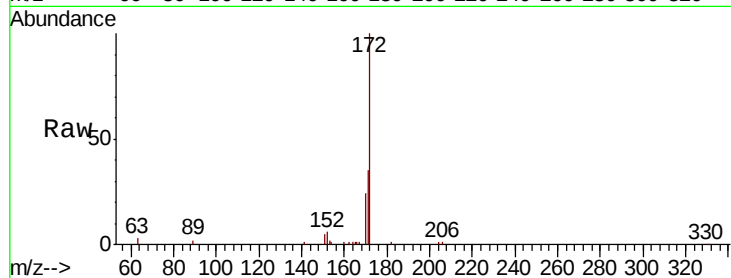




#15  
2-Fluorobiphenyl  
Concen: 0.403 ng  
RT: 12.65 min Scan# 1171  
Delta R.T. -0.01 min  
Lab File: BN007548.D  
Acq: 06 Sep 2019 18:59

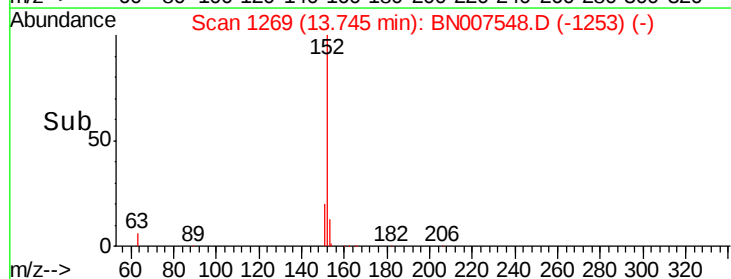
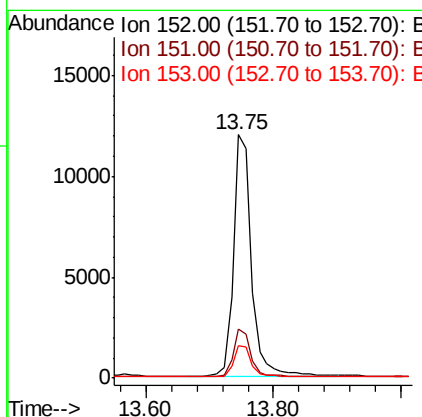
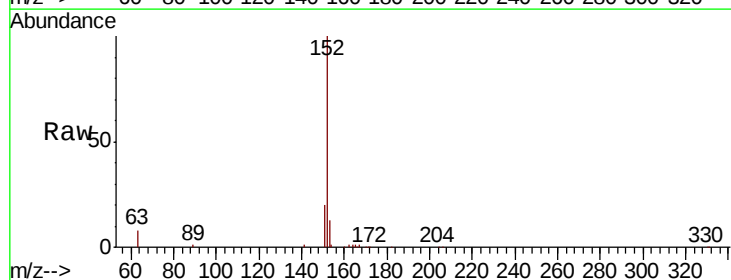
Instrument :  
BNA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 30.3  | 45.5  |
| 170     | 23.7  | 20.7  | 31.1  |



#16  
Acenaphthylene  
Concen: 0.329 ng  
RT: 13.75 min Scan# 1269  
Delta R.T. -0.02 min  
Lab File: BN007548.D  
Acq: 06 Sep 2019 18:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.5  | 16.1  | 24.1  |
| 153     | 13.0  | 10.6  | 15.8  |





#17

Acenaphthene

Concen: 0.390 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :

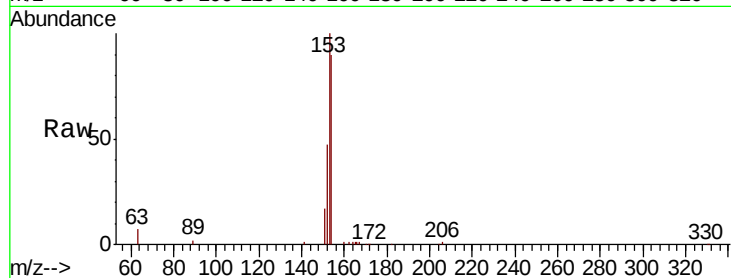
Tot Ion:154 Resp: 16477

Ion Ratio Lower Upper

154 100

153 113.5 92.8 139.2

152 54.3 43.8 65.8

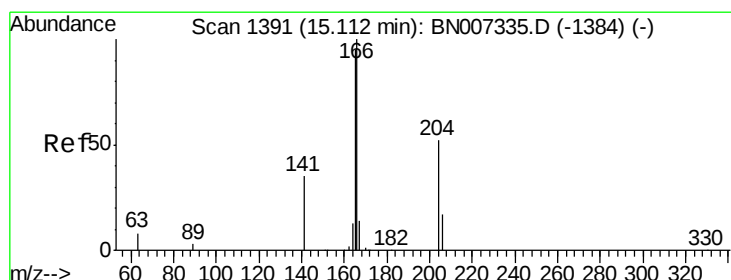
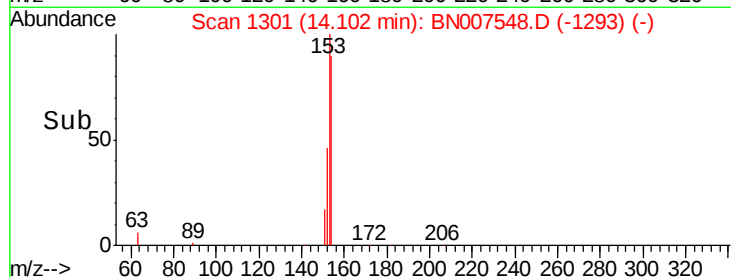
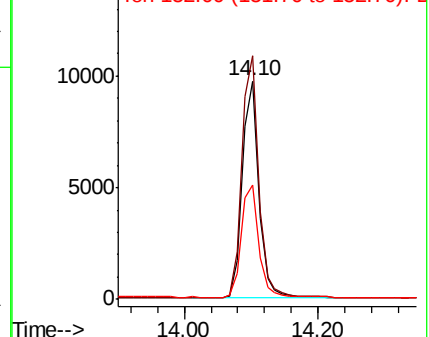


Abundance

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: 0.389 ng

RT: 15.09 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

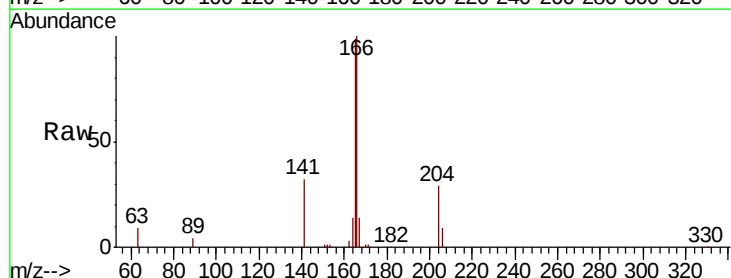
Tgt Ion:166 Resp: 20776

Ion Ratio Lower Upper

166 100

165 97.8 79.0 118.4

167 13.5 10.6 15.8

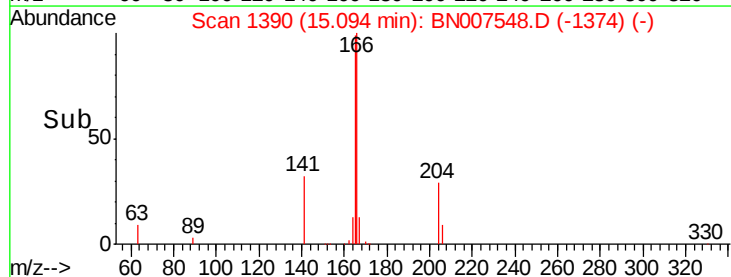
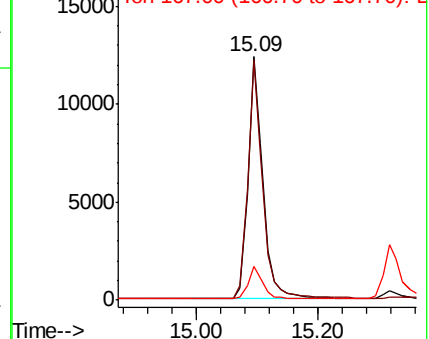


Abundance

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: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :

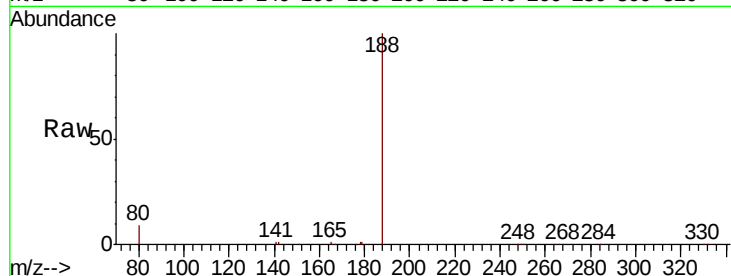
Tot Ion:188 Resp: 27948

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

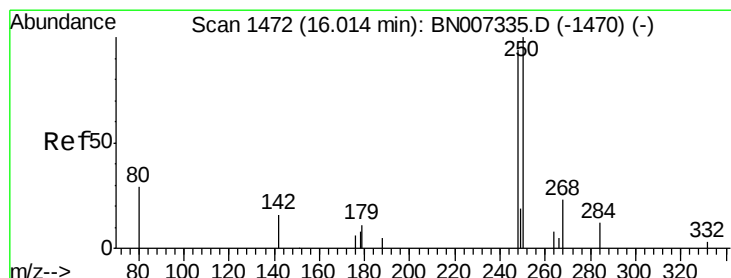
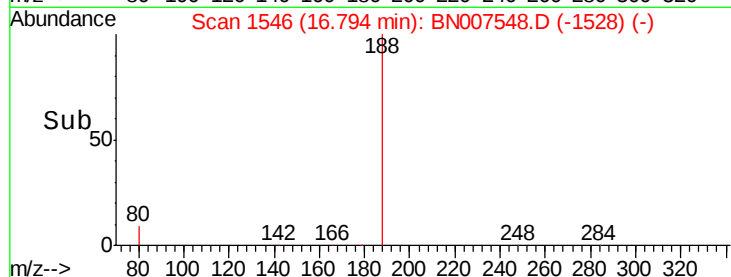
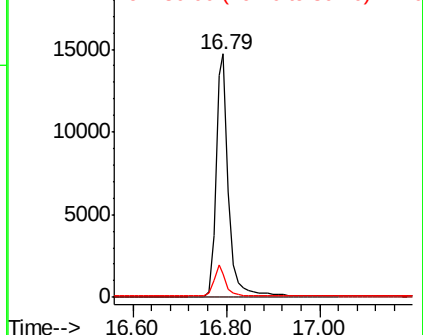
80 9.4 11.8 17.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.208 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

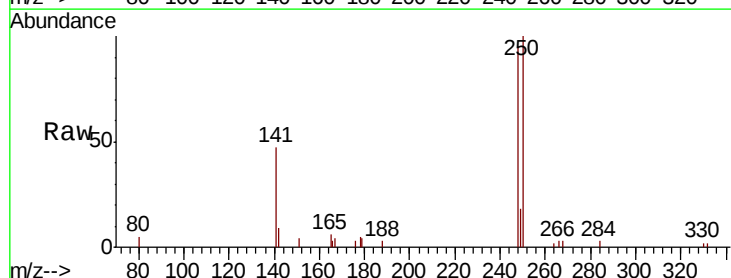
Tgt Ion:248 Resp: 2292

Ion Ratio Lower Upper

248 100

250 105.0 85.0 127.6

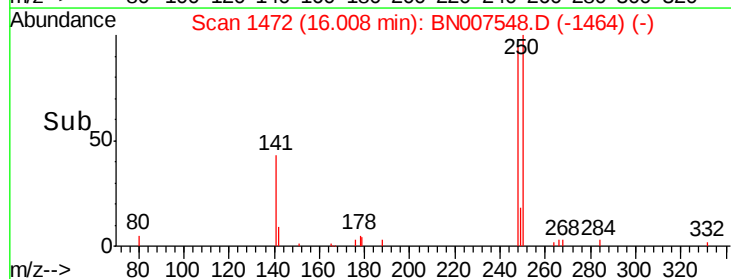
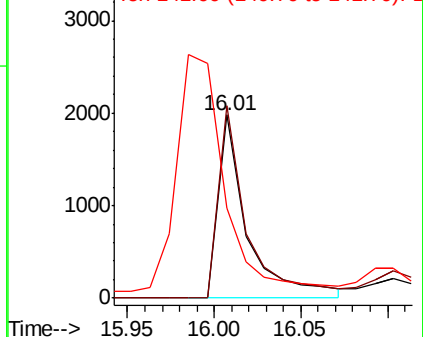
141 48.9 51.7 77.5#

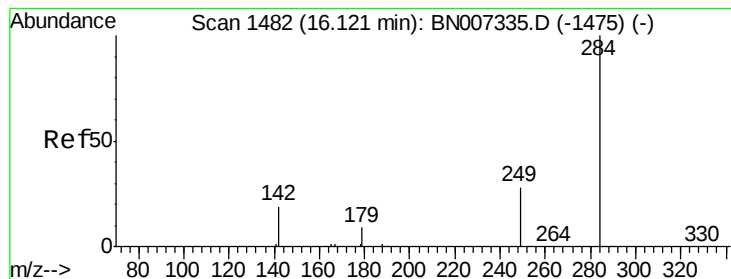


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.388 ng

RT: 16.10 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :

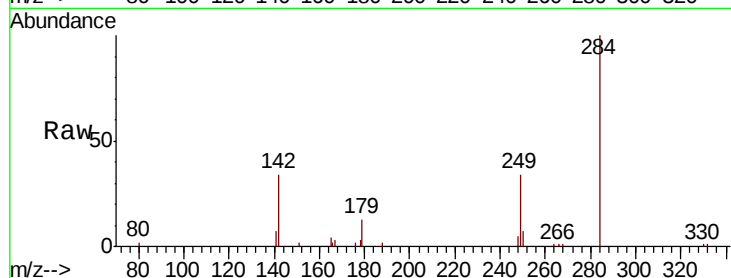
Tot Ion:284 Resp: 7260

Ion Ratio Lower Upper

284 100

142 34.6 29.0 43.6

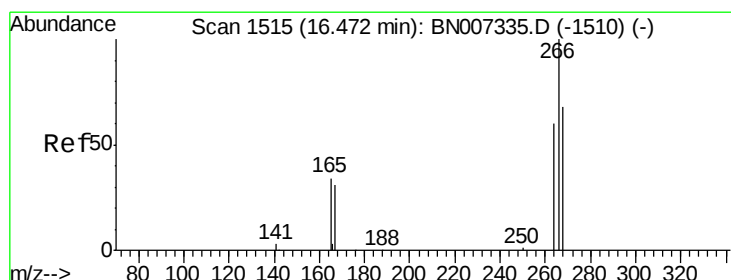
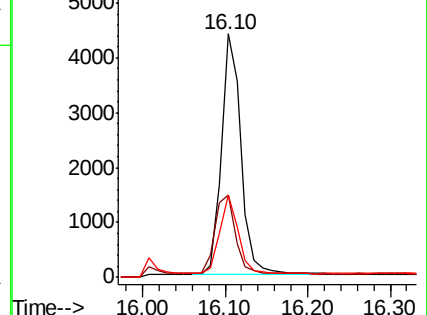
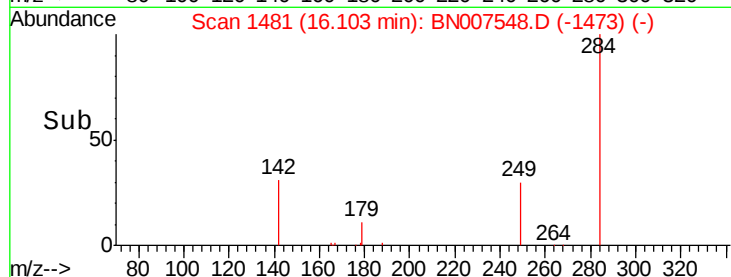
249 30.9 24.9 37.3



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: 0.214 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

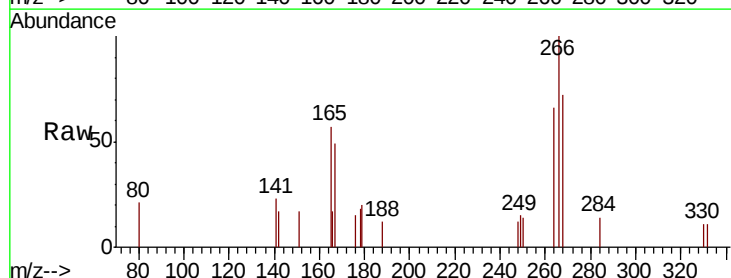
Tgt Ion:266 Resp: 1247

Ion Ratio Lower Upper

266 100

264 65.9 57.8 86.8

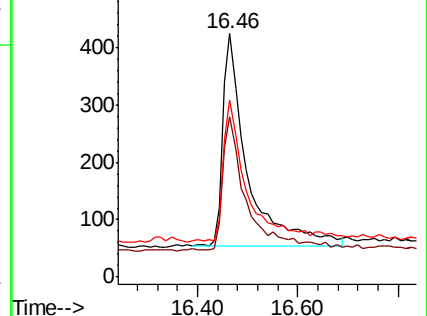
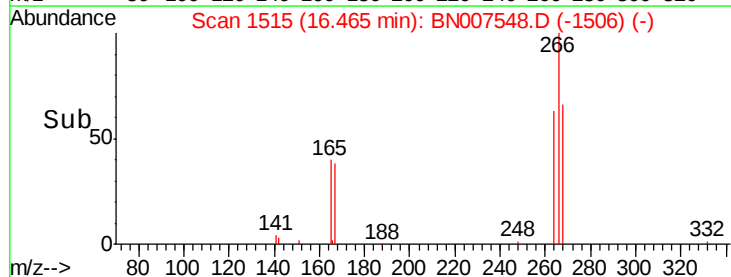
268 72.5 99.7 149.5#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

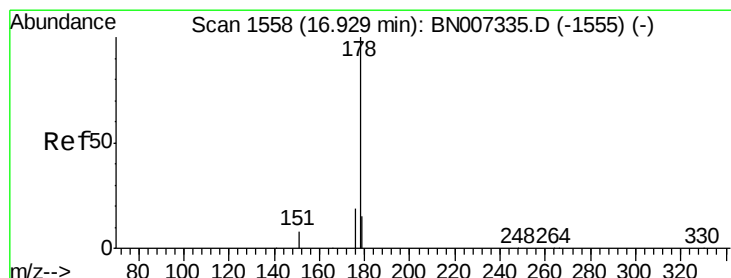
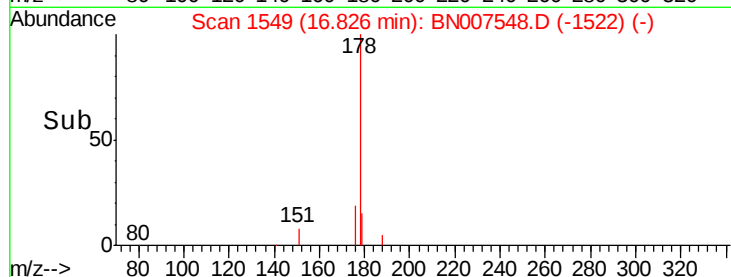
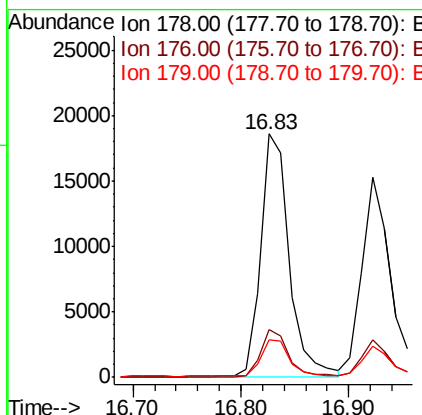
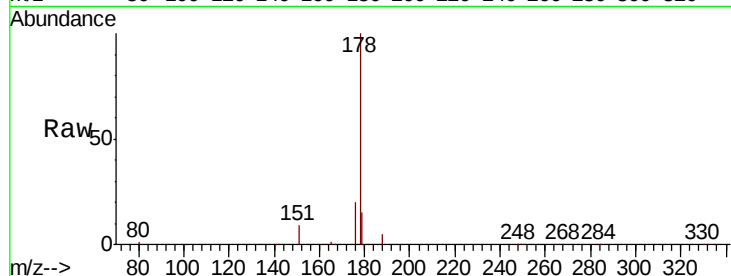




#23  
Phenanthrene  
Concen: 0.399 ng  
RT: 16.83 min Scan# 1549  
Delta R.T. -0.02 min  
Lab File: BN007548.D  
Acq: 06 Sep 2019 18:59

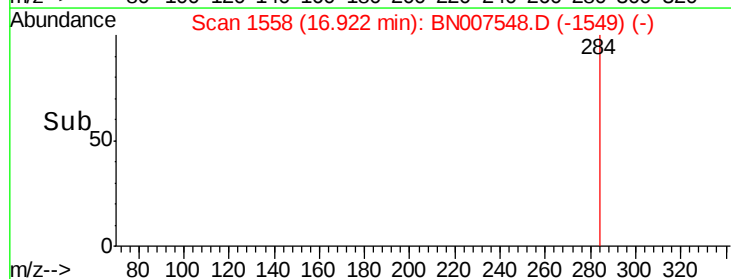
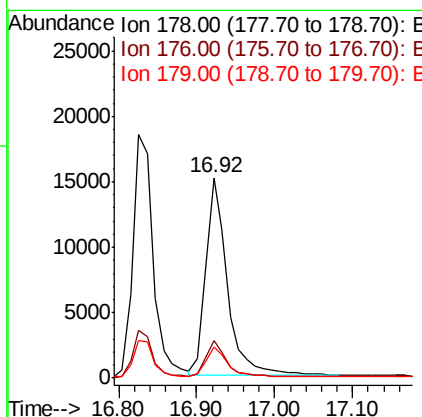
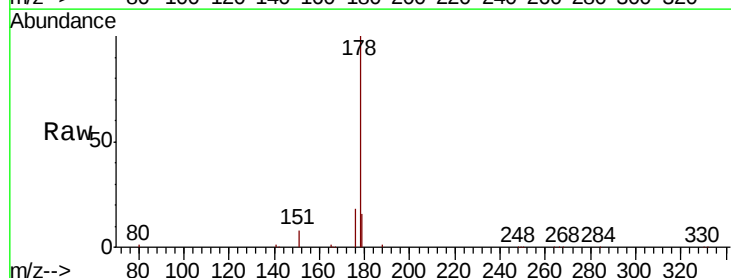
Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:178 Resp: 33521  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.3 22.9  
179 15.5 12.6 19.0



#24  
Anthracene  
Concen: 0.339 ng  
RT: 16.92 min Scan# 1558  
Delta R.T. -0.01 min  
Lab File: BN007548.D  
Acq: 06 Sep 2019 18:59

Tgt Ion:178 Resp: 28660  
Ion Ratio Lower Upper  
178 100  
176 17.7 14.9 22.3  
179 15.2 12.4 18.6





#25

Fluoranthene-d10

Concen: 0.352 ng

RT: 18.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :

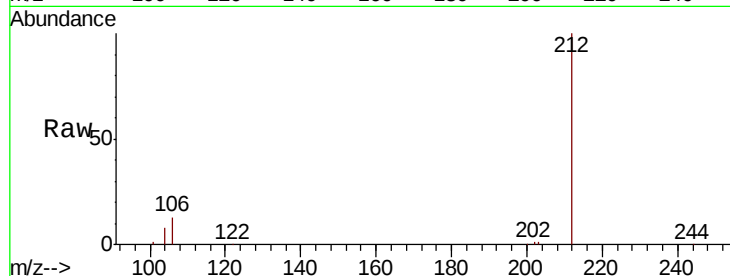
Tot Ion:212 Resp: 31680

Ion Ratio Lower Upper

212 100

106 13.3 9.0 13.4

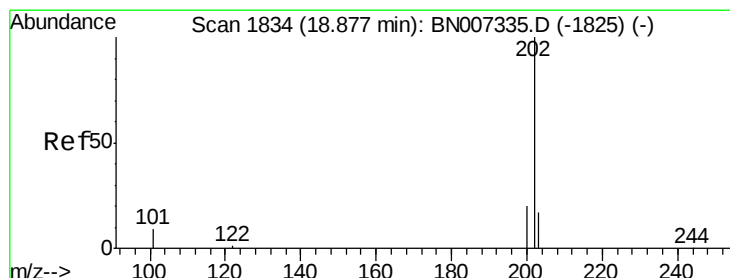
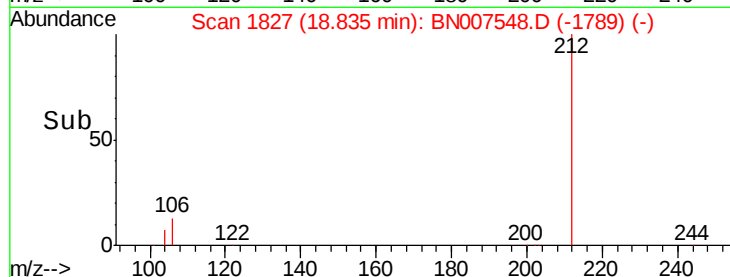
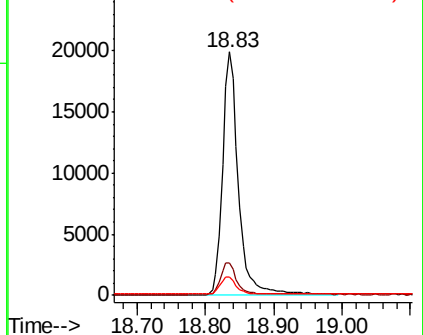
104 7.5 5.4 8.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.363 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

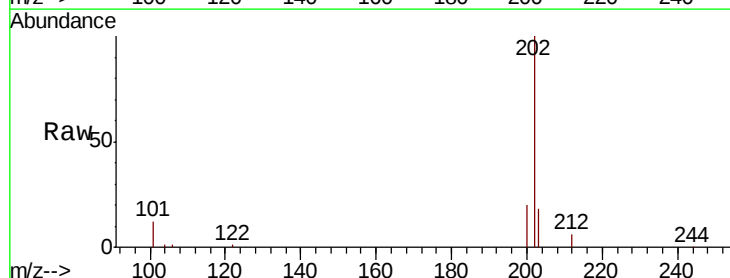
Tgt Ion:202 Resp: 39144

Ion Ratio Lower Upper

202 100

101 11.2 7.7 11.5

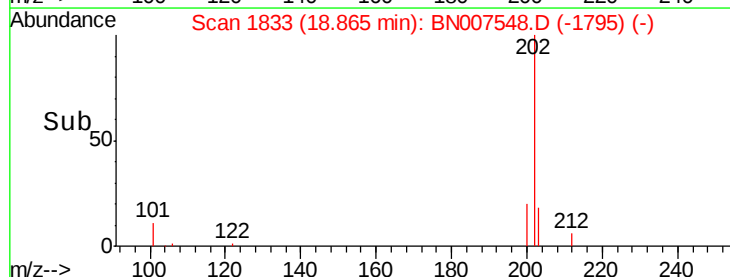
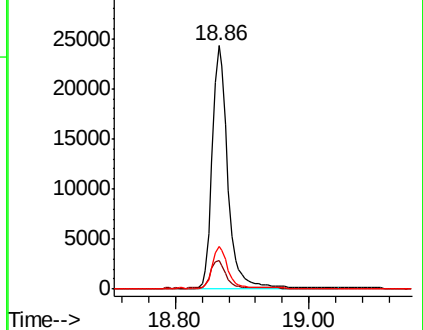
203 17.0 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

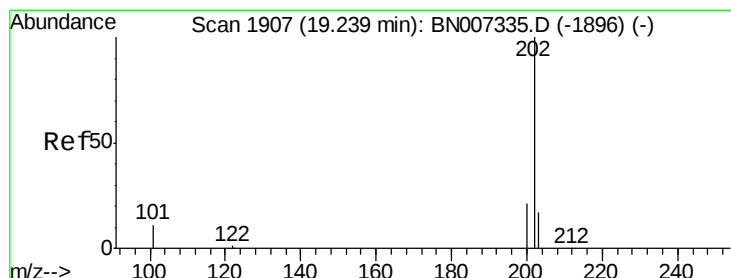
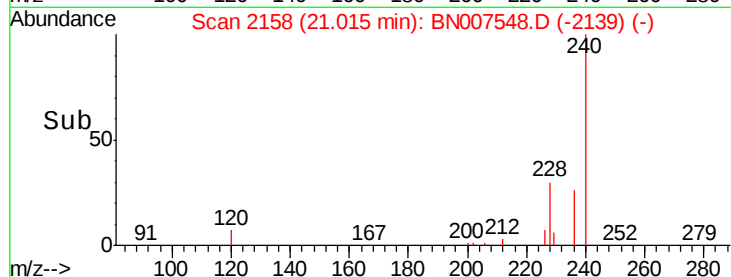
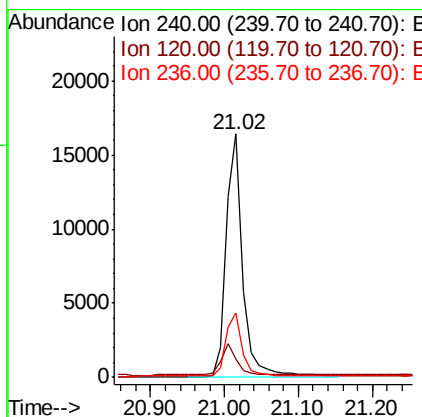
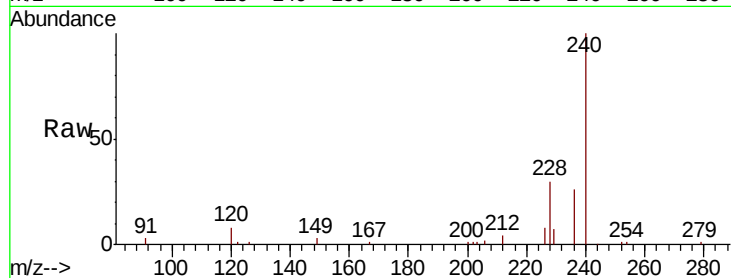




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.02 min Scan# 2158  
 Delta R.T. -0.00 min  
 Lab File: BN007548.D  
 Acq: 06 Sep 2019 18:59

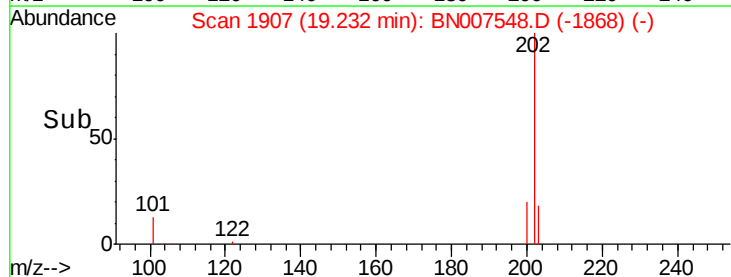
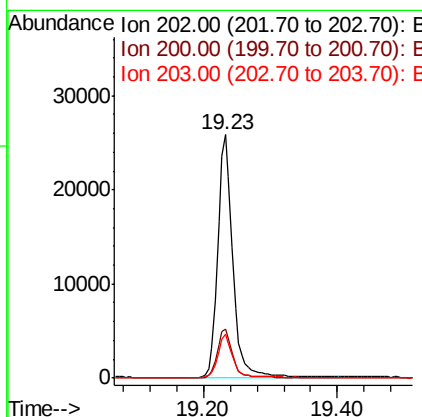
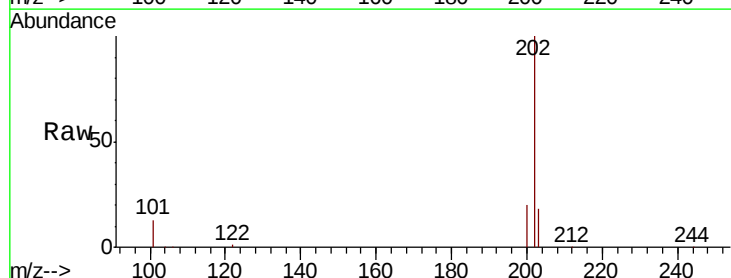
Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:240 Resp: 25748  
 Ion Ratio Lower Upper  
 240 100  
 120 7.6 9.6 14.4#  
 236 26.3 22.2 33.2



#28  
 Pyrene  
 Concen: 0.387 ng  
 RT: 19.23 min Scan# 1907  
 Delta R.T. -0.01 min  
 Lab File: BN007548.D  
 Acq: 06 Sep 2019 18:59

Tgt Ion:202 Resp: 40098  
 Ion Ratio Lower Upper  
 202 100  
 200 20.0 16.6 25.0  
 203 17.4 14.2 21.4





#29

Terphenyl-d14

Concen: 0.390 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampled :

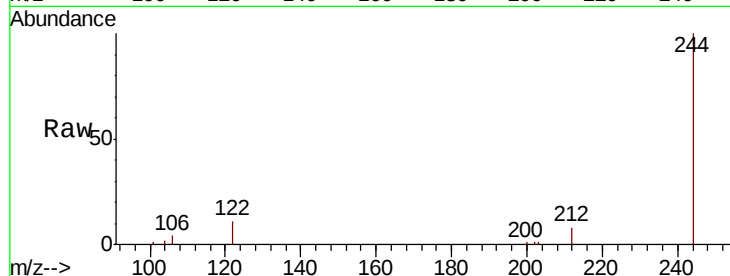
Tot Ion:244 Resp: 26273

Ion Ratio Lower Upper

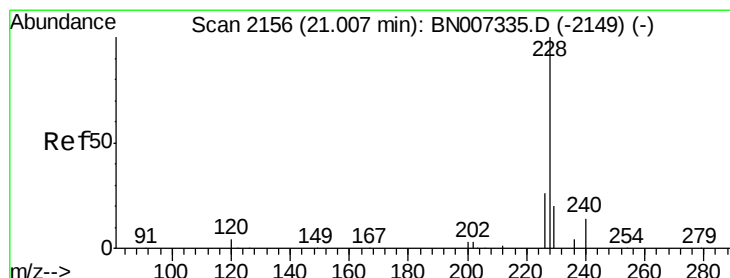
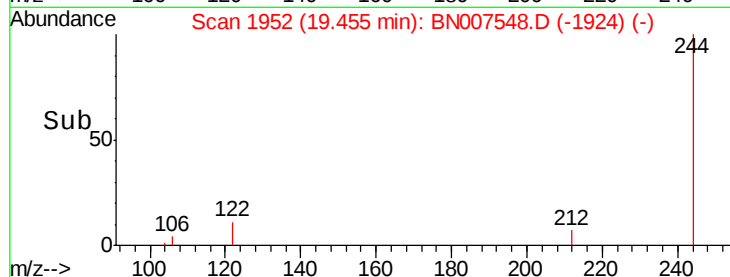
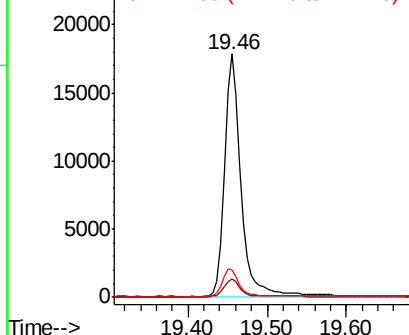
244 100

212 7.6 7.0 10.6

122 11.2 9.6 14.4



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



#30

Benzo(a)anthracene

Concen: 0.357 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

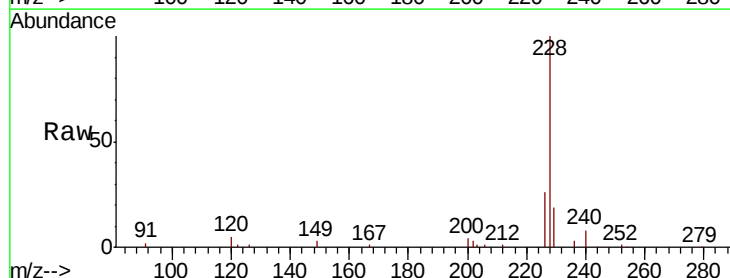
Tgt Ion:228 Resp: 36059

Ion Ratio Lower Upper

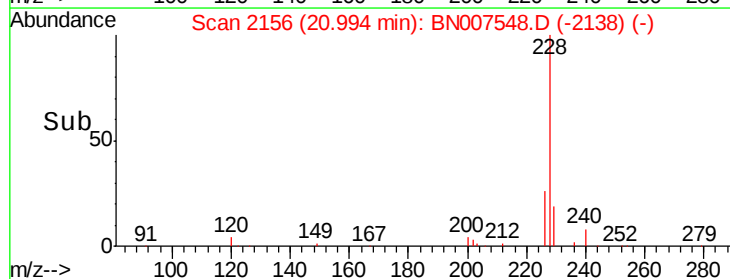
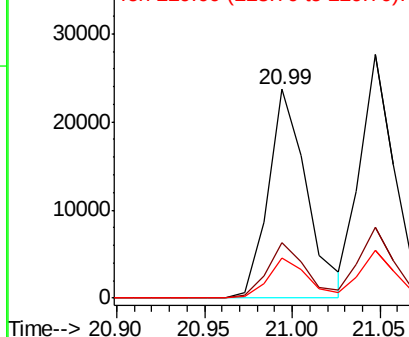
228 100

226 26.3 21.3 31.9

229 19.4 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

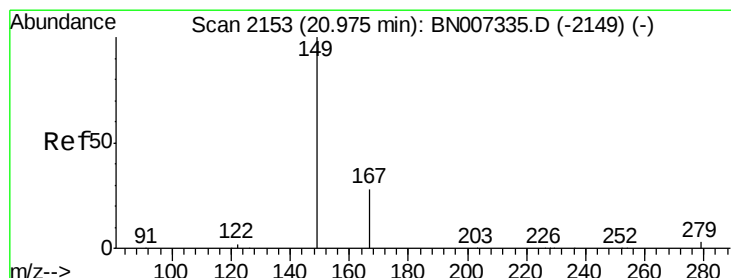
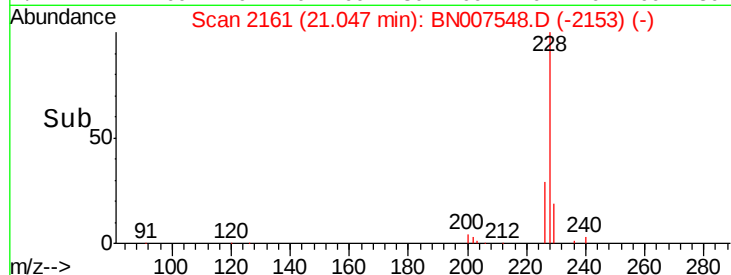
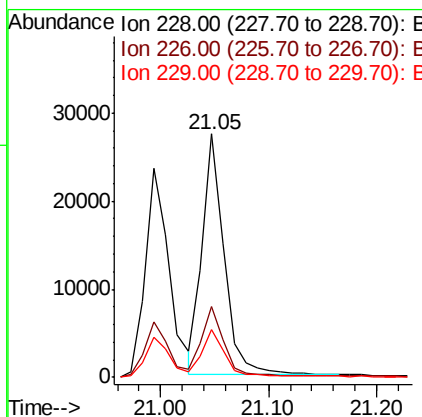
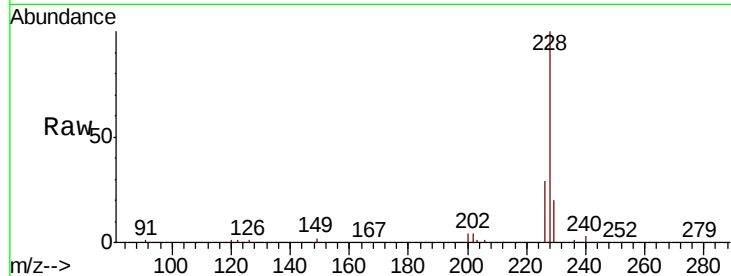




#31  
 Chrysene  
 Concen: 0.397 ng  
 RT: 21.05 min Scan# 2161  
 Delta R.T. -0.01 min  
 Lab File: BN007548.D  
 Acq: 06 Sep 2019 18:59

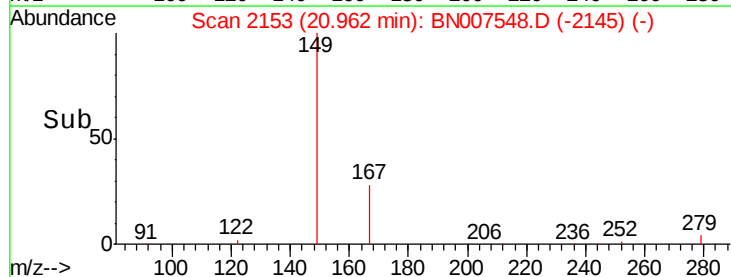
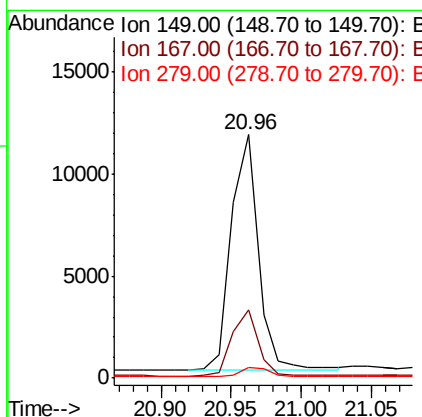
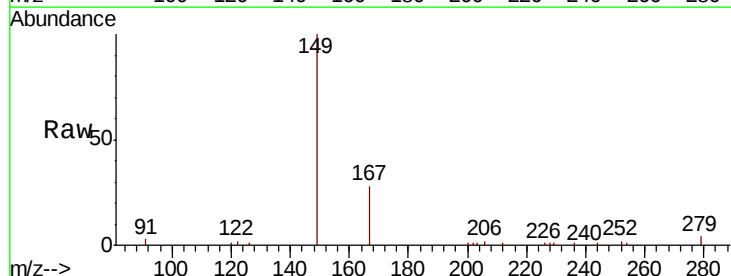
Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:228 Resp: 38794  
 Ion Ratio Lower Upper  
 228 100  
 226 29.2 23.5 35.3  
 229 19.6 16.6 24.8



#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.215 ng  
 RT: 20.96 min Scan# 2153  
 Delta R.T. -0.01 min  
 Lab File: BN007548.D  
 Acq: 06 Sep 2019 18:59

Tgt Ion:149 Resp: 15331  
 Ion Ratio Lower Upper  
 149 100  
 167 27.8 22.8 34.2  
 279 4.1 3.5 5.3

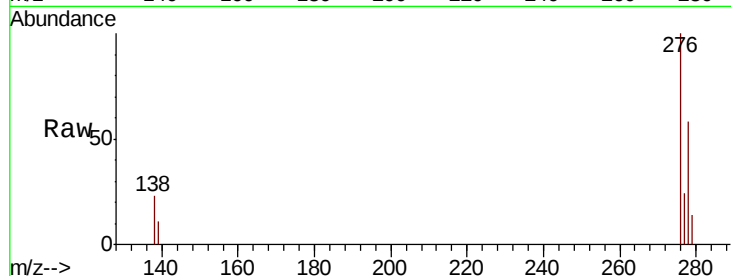




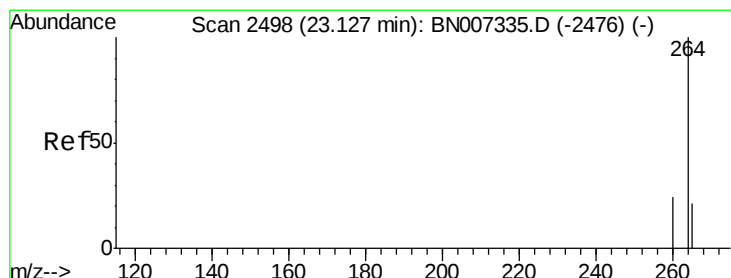
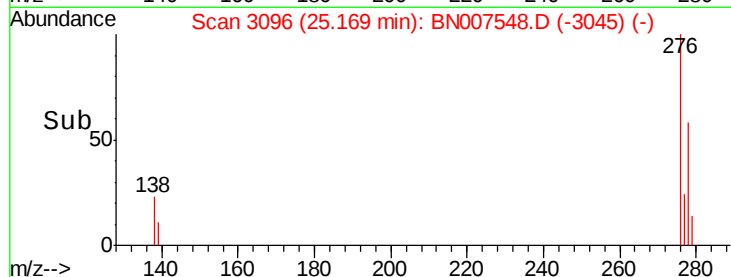
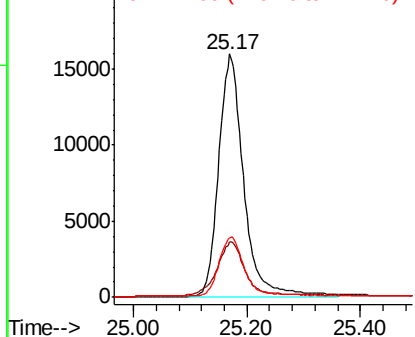
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.410 ng  
RT: 25.17 min Scan# 3096  
Delta R.T. -0.03 min  
Lab File: BN007548.D  
Acq: 06 Sep 2019 18:59

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:276 Resp: 48230  
Ion Ratio Lower Upper  
276 100  
138 24.3 15.1 22.7#  
277 24.4 19.7 29.5

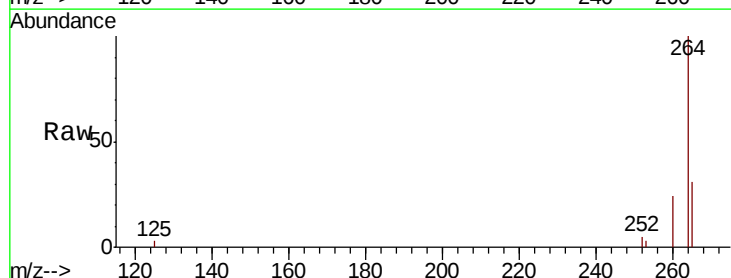


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

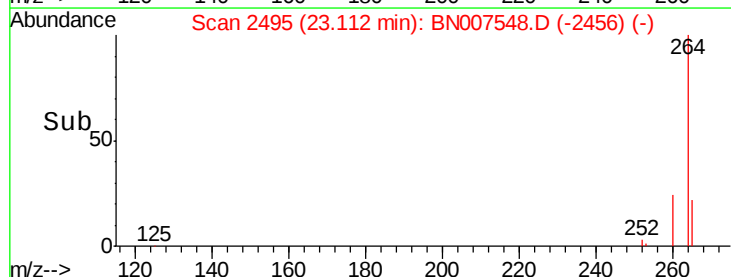
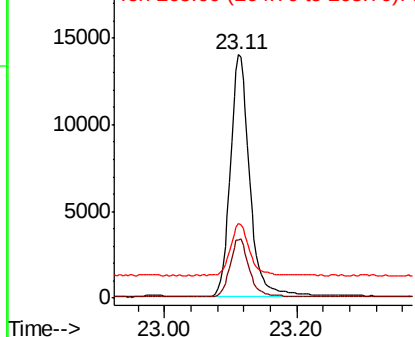


#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.11 min Scan# 2495  
Delta R.T. -0.02 min  
Lab File: BN007548.D  
Acq: 06 Sep 2019 18:59

Tgt Ion:264 Resp: 28695  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.7 29.5  
265 30.8 29.9 44.9



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: 0.375 ng

RT: 22.49 min Scan# 2314

Delta R.T. -0.02 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :

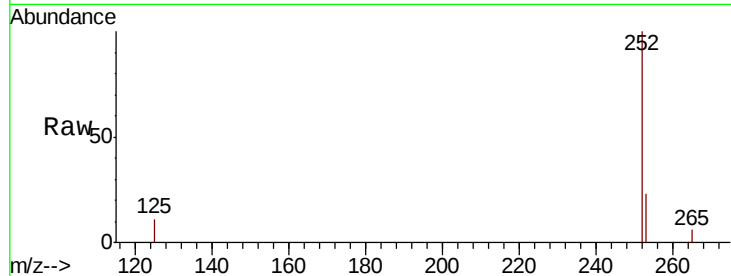
Tot Ion:252 Resp: 39009

Ion Ratio Lower Upper

252 100

253 22.7 19.2 28.8

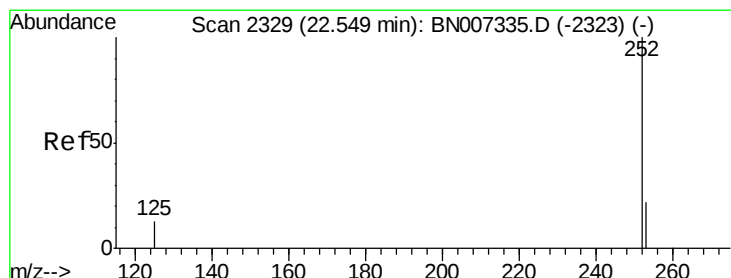
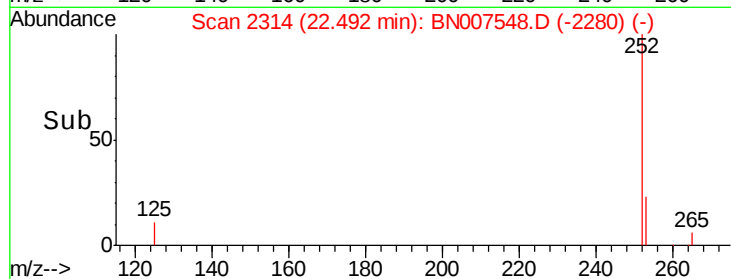
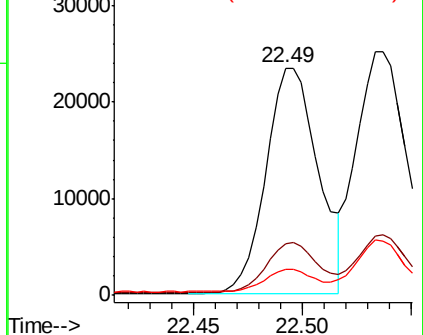
125 11.2 10.6 16.0



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



#36

Benzo(k)fluoranthene

Concen: 0.433 ng

RT: 22.53 min Scan# 2326

Delta R.T. -0.02 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

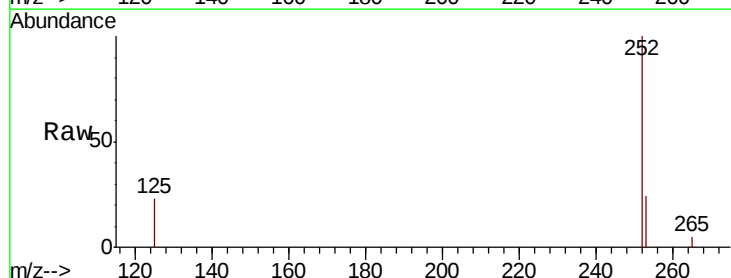
Tgt Ion:252 Resp: 44479

Ion Ratio Lower Upper

252 100

253 24.5 19.4 29.2

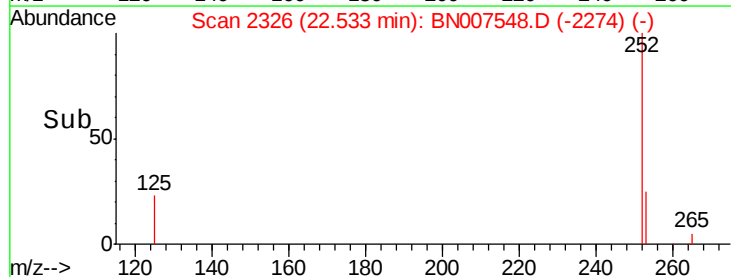
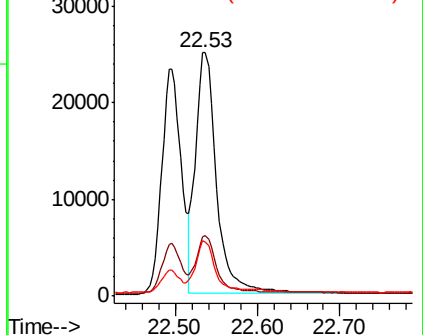
125 22.5 13.1 19.7#



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





#37

Benzo(a)pyrene

Concen: 0.373 ng

RT: 23.02 min Scan# 2469

Delta R.T. -0.02 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :

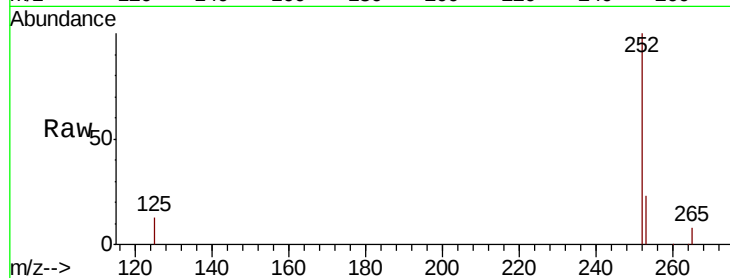
Tot Ion:252 Resp: 36859

Ion Ratio Lower Upper

252 100

253 23.4 19.5 29.3

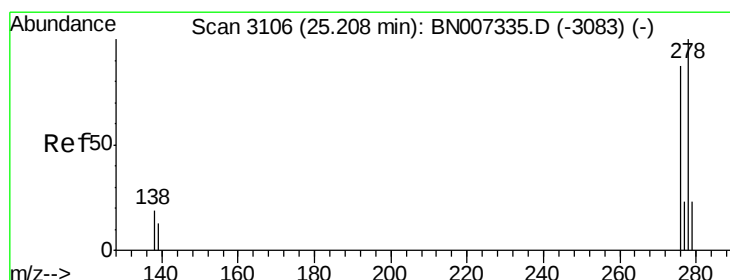
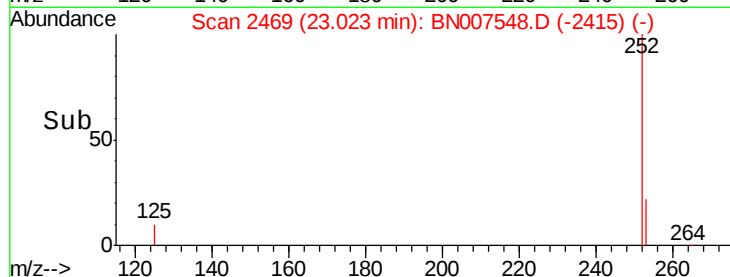
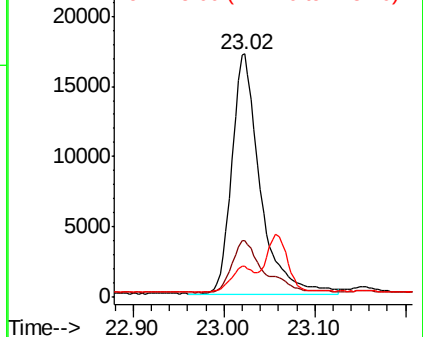
125 12.6 12.1 18.1



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: 0.388 ng

RT: 25.18 min Scan# 3100

Delta R.T. -0.03 min

Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

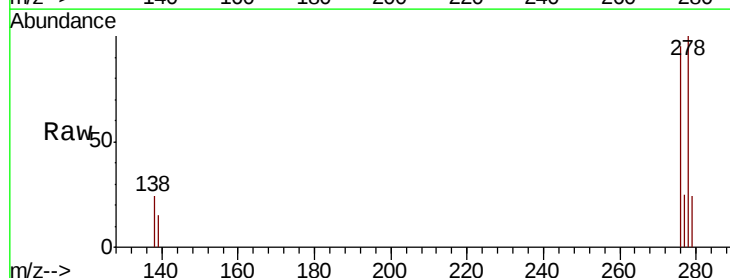
Tgt Ion:278 Resp: 38334

Ion Ratio Lower Upper

278 100

139 15.4 13.7 20.5

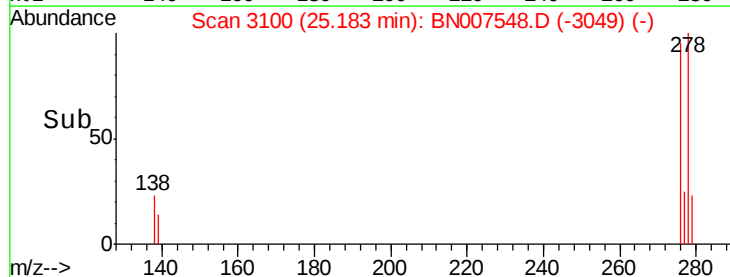
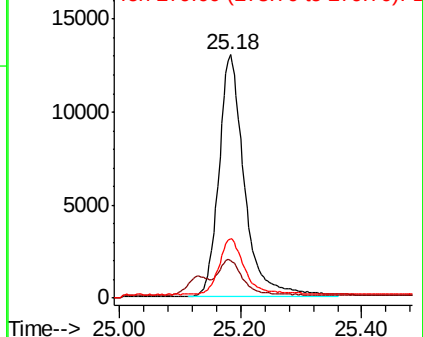
279 24.5 20.2 30.4



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: 0.395 ng

RT: 25.79 min Scan# 3278

Delta R.T. -0.03 min

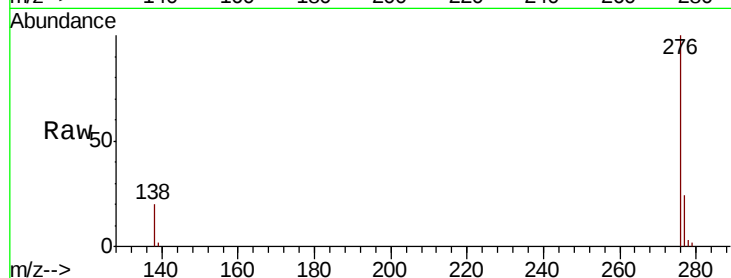
Lab File: BN007548.D

Acq: 06 Sep 2019 18:59

Instrument :

BNA\_N

ClientSampleId :



Tot Ion: 276 Resp: 38889

Ion Ratio Lower Upper

276 100

277 23.8 19.6 29.4

138 19.9 16.3 24.5

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

