

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN082619\  
 Data File : BN007416.D  
 Acq On : 26 Aug 2019 19:00  
 Operator : HP/JU  
 Sample : K4514-03MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S602-M-1.0-1.5-082319MS

Quant Time: Aug 27 05:46:03 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN082319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 24 00:38:17 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 4925     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 19056    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.04 | 164  | 11170    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.80 | 188  | 21875    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.02 | 240  | 23662    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.13 | 264  | 27329    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.03  | 112 | 6680  | 0.39 | ng | 0.00  |
| 5) Phenol-d6                | 6.59  | 99  | 8486  | 0.39 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.45  | 82  | 351   | 0.02 | ng | -0.08 |
| 11) 2-Methylnaphthalene-d10 | 11.76 | 152 | 15041 | 0.47 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.55 | 330 | 2471  | 0.42 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.66 | 172 | 14742 | 0.33 | ng | 0.00  |
| 25) Fluoranthene-d10        | 18.84 | 212 | 27141 | 0.39 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.46 | 244 | 19891 | 0.32 | ng | 0.00  |

#### Target Compounds

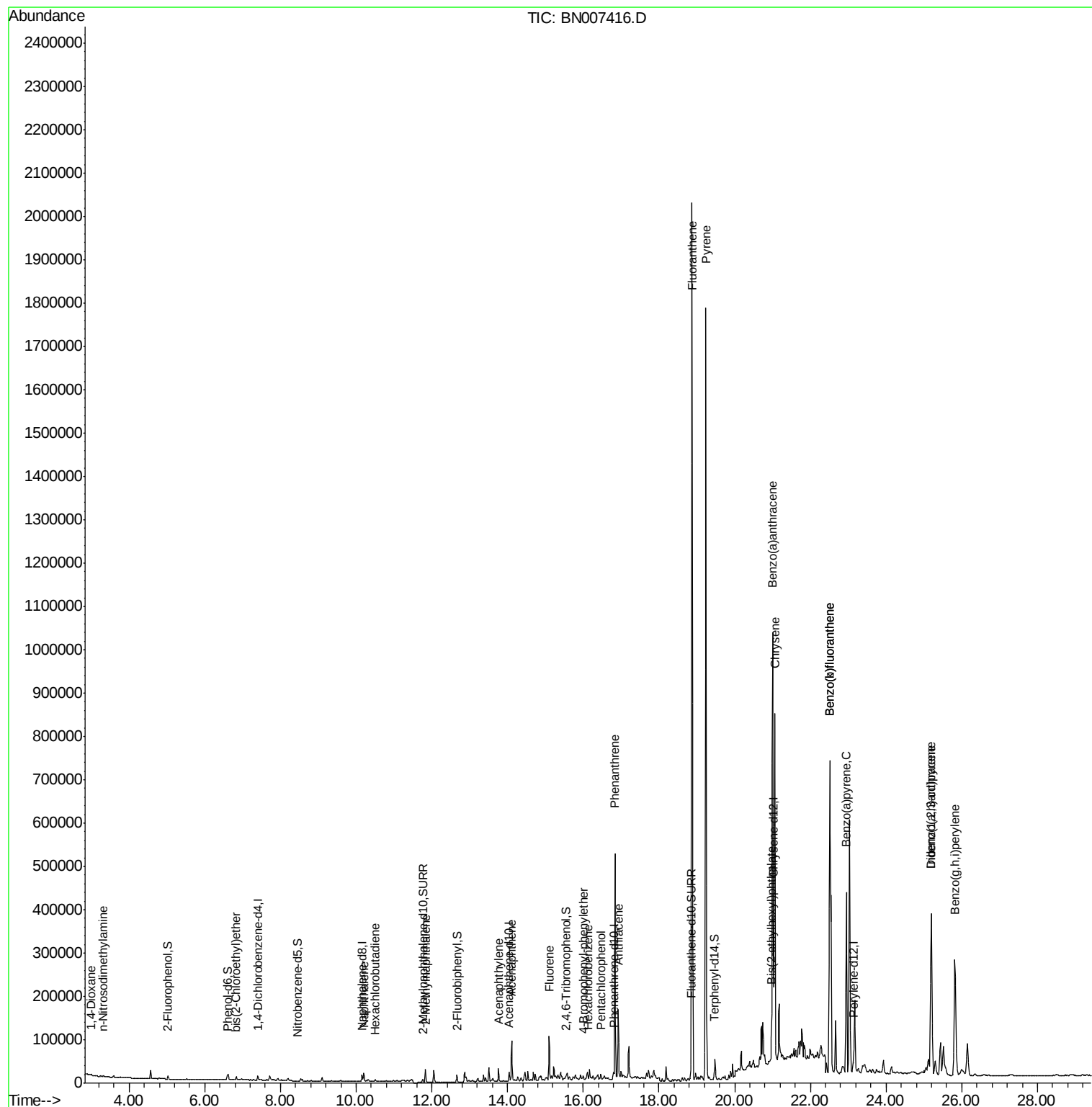
|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.00  | 88  | 2141    | 0.262  | ng | # 84   |
| 3) n-Nitrosodimethylamine      | 3.31  | 42  | 1068    | 0.281  | ng | # 56   |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93  | 6300    | 0.354  | ng | 94     |
| 9) Naphthalene                 | 10.20 | 128 | 25642   | 0.471  | ng | # 90   |
| 10) Hexachlorobutadiene        | 10.51 | 225 | 3726    | 0.334  | ng | # 100  |
| 12) 2-Methylnaphthalene        | 11.83 | 142 | 23086   | 0.622  | ng | 97     |
| 16) Acenaphthylene             | 13.76 | 152 | 35379   | 0.535  | ng | 95     |
| 17) Acenaphthene               | 14.11 | 154 | 44666   | 1.155  | ng | 98     |
| 18) Fluorene                   | 15.10 | 166 | 55868   | 1.142  | ng | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248 | 1695    | 0.196  | ng | # 85   |
| 21) Hexachlorobenzene          | 16.12 | 284 | 5381    | 0.367  | ng | 99     |
| 22) Pentachlorophenol          | 16.46 | 266 | 3598    | 0.790  | ng | # 63   |
| 23) Phenanthrene               | 16.84 | 178 | 603366  | 9.170  | ng | 99     |
| 24) Anthracene                 | 16.93 | 178 | 153899  | 2.325  | ng | 96     |
| 26) Fluoranthene               | 18.87 | 202 | 1904942 | 22.548 | ng | 99     |
| 28) Pyrene                     | 19.24 | 202 | 1594037 | 16.747 | ng | # 94   |
| 30) Benzo(a)anthracene         | 21.01 | 228 | 903346  | 9.721  | ng | 98     |
| 31) Chrysene                   | 21.06 | 228 | 806652  | 8.993  | ng | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 20.97 | 149 | 35250   | 0.567  | ng | 95     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.19 | 276 | 564349  | 5.223  | ng | 98     |
| 35) Benzo(b)fluoranthene       | 22.51 | 252 | 1096424 | 11.073 | ng | # 95   |
| 36) Benzo(k)fluoranthene       | 22.51 | 252 | 1096424 | 11.204 | ng | # 92   |
| 37) Benzo(a)pyrene             | 22.95 | 252 | 510697  | 5.420  | ng | 98     |
| 38) Dibenzo(a,h)anthracene     | 25.20 | 278 | 169558  | 1.803  | ng | 93     |
| 39) Benzo(g,h,i)perylene       | 25.82 | 276 | 537754  | 5.741  | ng | 97     |

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

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QLast Update : Sat Aug 24 00:38:17 2019  
Response via : Initial Calibration



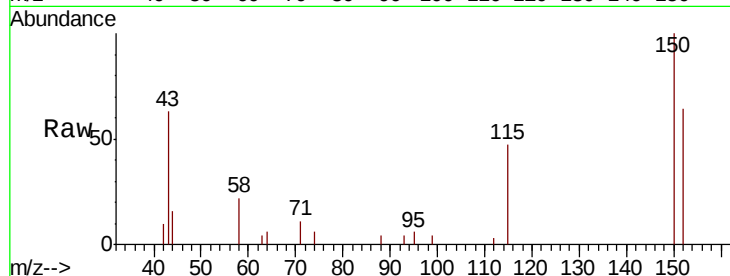


#1

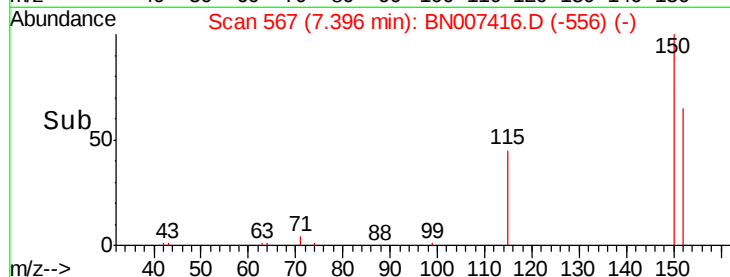
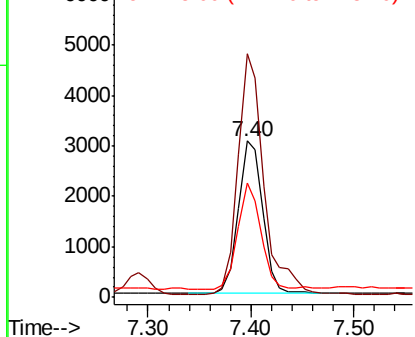
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 567  
Delta R.T. -0.01 min  
Lab File: BN007416.D  
Acq: 26 Aug 2019 19:00

Instrument :  
BNA\_N  
ClientSampleId :  
S602-M-1.0-1.5-082319MS

Tgt Ion:152 Resp: 4925  
Ion Ratio Lower Upper  
152 100  
150 155.8 109.1 163.7  
115 73.1 59.6 89.4



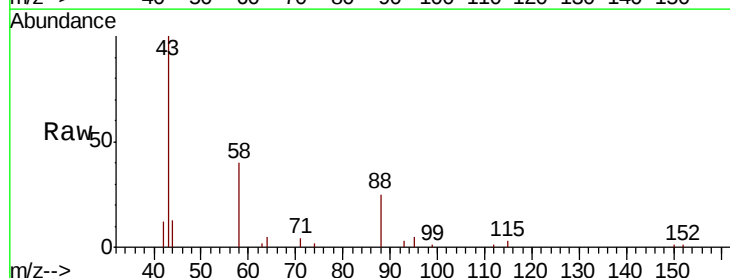
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



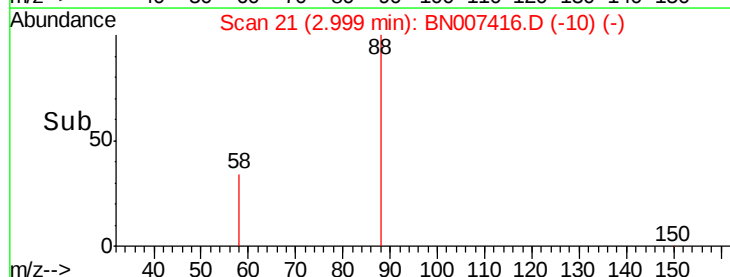
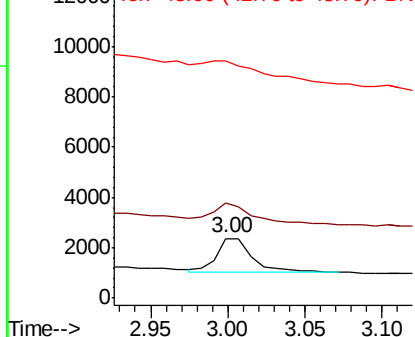
#2

1,4-Dioxane  
Concen: 0.262 ng  
RT: 3.00 min Scan# 21  
Delta R.T. -0.01 min  
Lab File: BN007416.D  
Acq: 26 Aug 2019 19:00

Tgt Ion: 88 Resp: 2141  
Ion Ratio Lower Upper  
88 100  
58 75.8 50.5 75.7#  
43 0.0 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: 3.31 min Scan# 60

Delta R.T. -0.02 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

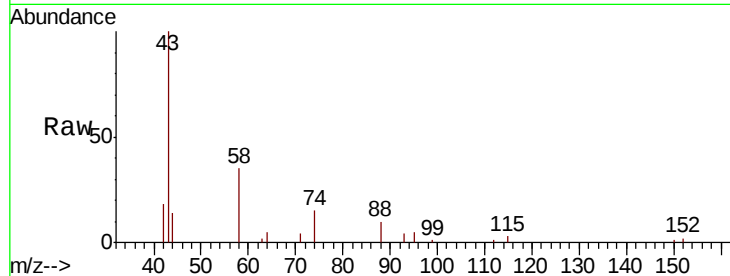
Tgt Ion: 42 Resp: 1068

Ion Ratio Lower Upper

42 100

74 245.1 144.7 217.1#

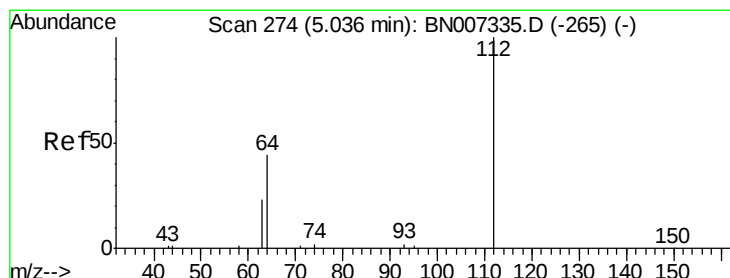
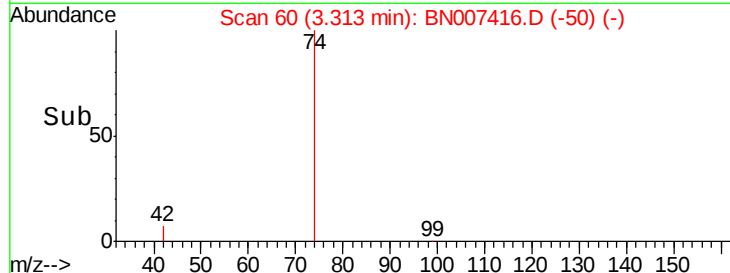
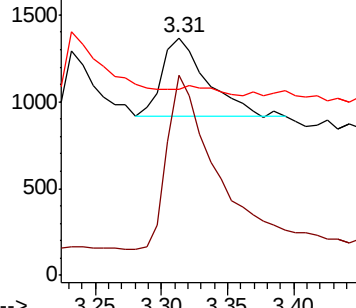
44 0.0 3.2 4.8#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.390 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

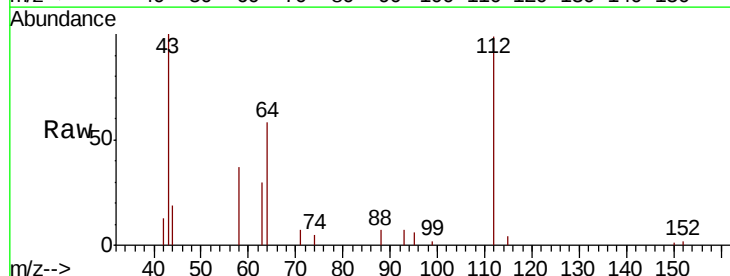
Tgt Ion: 112 Resp: 6680

Ion Ratio Lower Upper

112 100

64 53.6 42.3 63.5

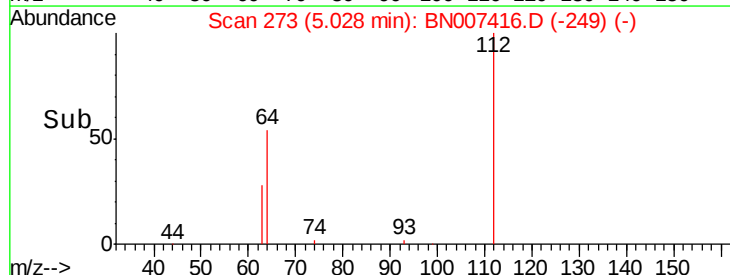
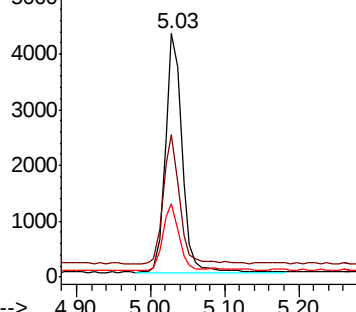
63 26.4 23.6 35.4



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: 0.390 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

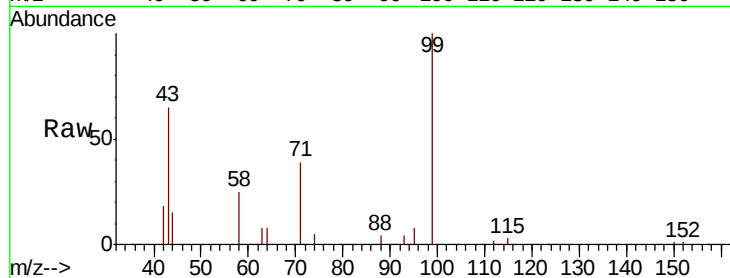
Tgt Ion: 99 Resp: 8486

Ion Ratio Lower Upper

99 100

42 17.7 11.2 16.8#

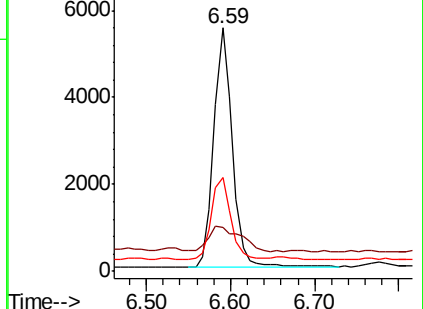
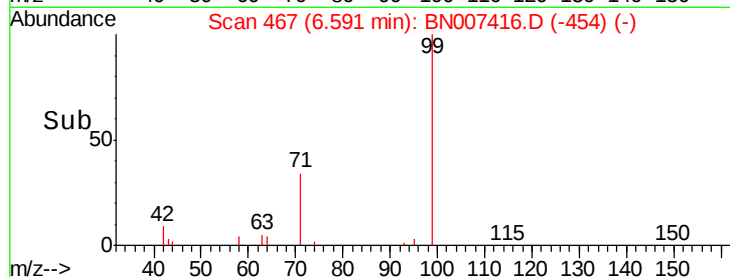
71 34.8 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007416.D (-454) (-)

Ion 42.00 (41.70 to 42.70): BN007416.D (-454) (-)

Ion 71.00 (70.70 to 71.70): BN007416.D (-454) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.354 ng

RT: 6.84 min Scan# 498

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

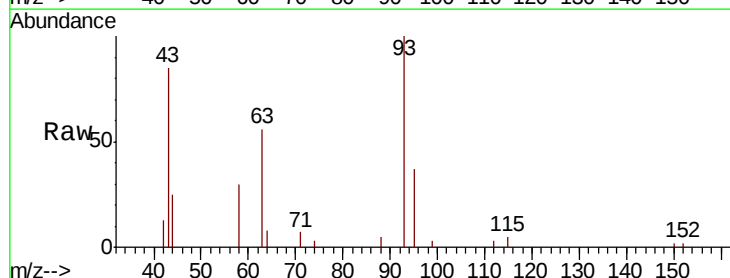
Tgt Ion: 93 Resp: 6300

Ion Ratio Lower Upper

93 100

63 60.0 51.9 77.9

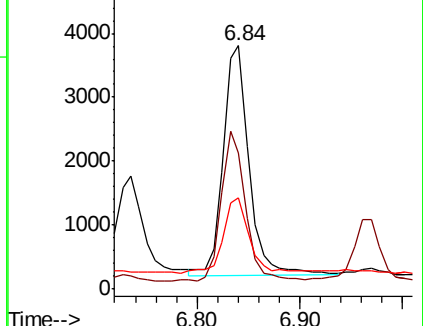
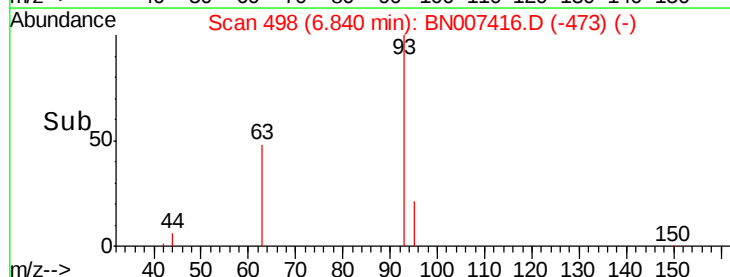
95 31.8 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN007416.D (-473) (-)

Ion 63.00 (62.70 to 63.70): BN007416.D (-473) (-)

Ion 95.00 (94.70 to 95.70): BN007416.D (-473) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

Tgt Ion:136 Resp: 19056

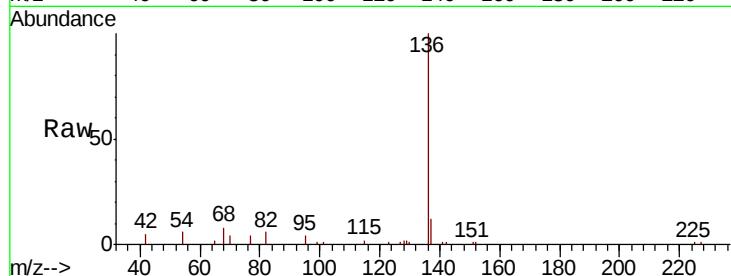
Ion Ratio Lower Upper

136 100

137 11.7 12.9 19.3#

54 5.7 8.6 12.8#

68 7.6 17.0 25.4#

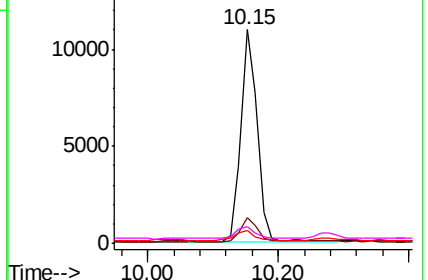
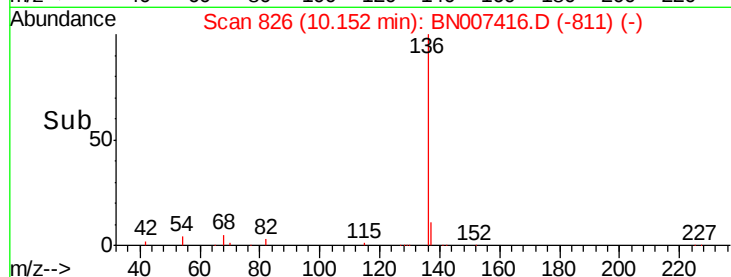


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.021 ng

RT: 8.45 min Scan# 692

Delta R.T. -0.08 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

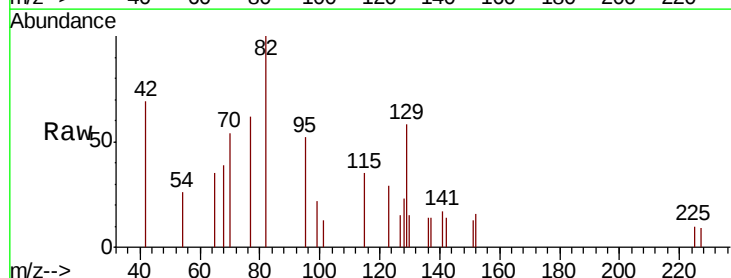
Tgt Ion: 82 Resp: 351

Ion Ratio Lower Upper

82 100

128 22.8 19.7 29.5

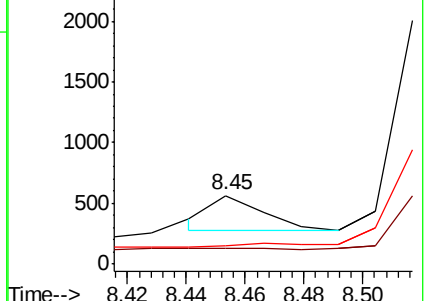
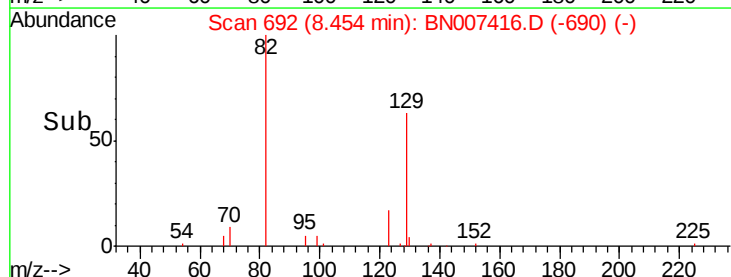
54 26.3 25.8 38.6



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: 0.471 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

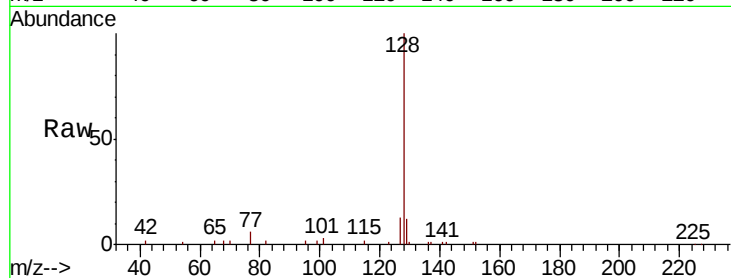
Tgt Ion:128 Resp: 25642

Ion Ratio Lower Upper

128 100

129 11.8 11.1 16.7

127 13.5 15.5 23.3#

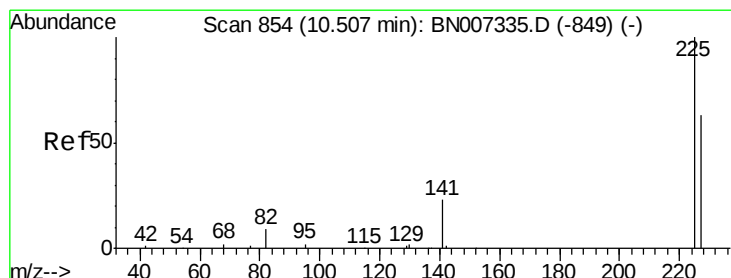
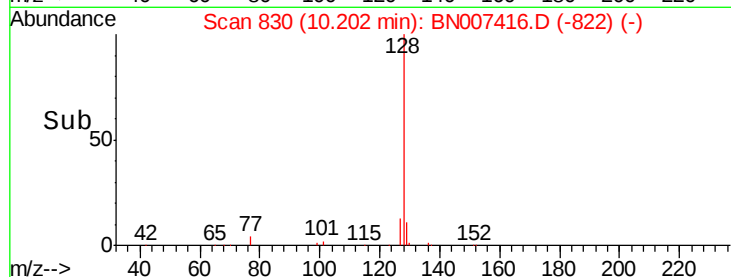
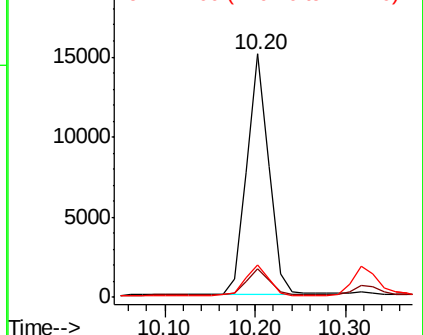


Abundance

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: 0.334 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

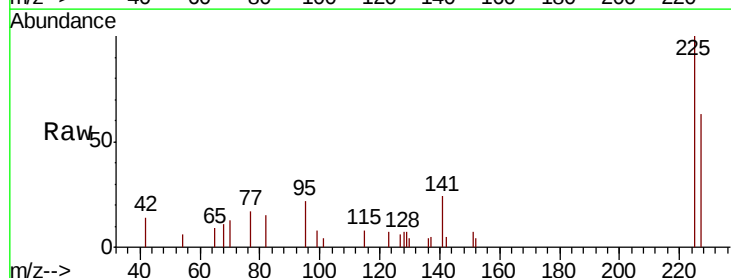
Tgt Ion:225 Resp: 3726

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.3 50.7 76.1

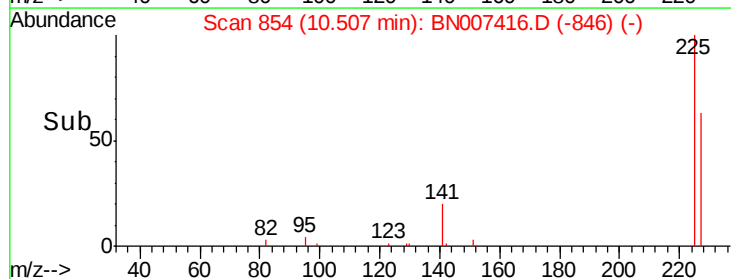
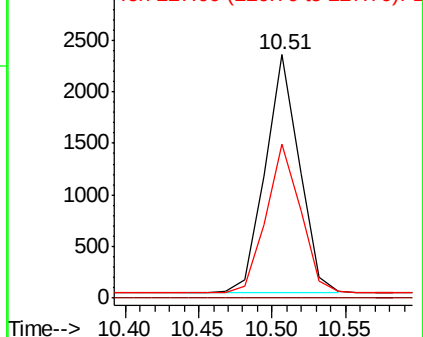


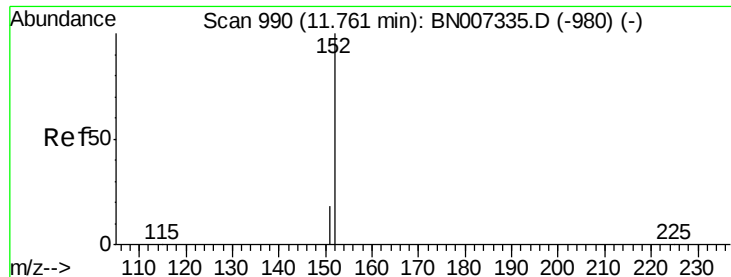
Abundance

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

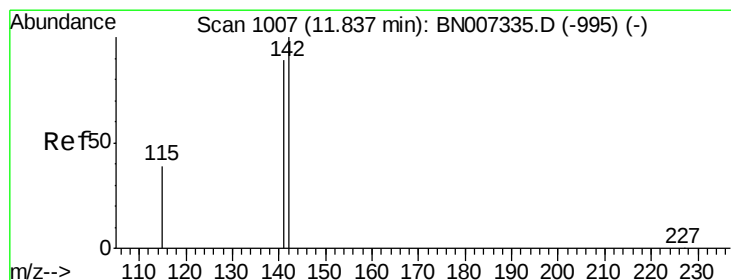
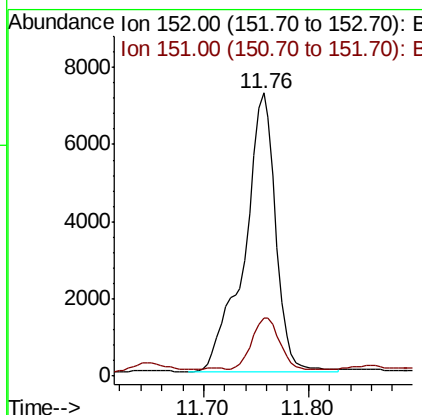
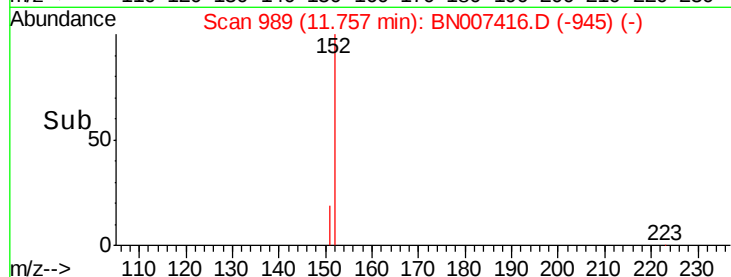
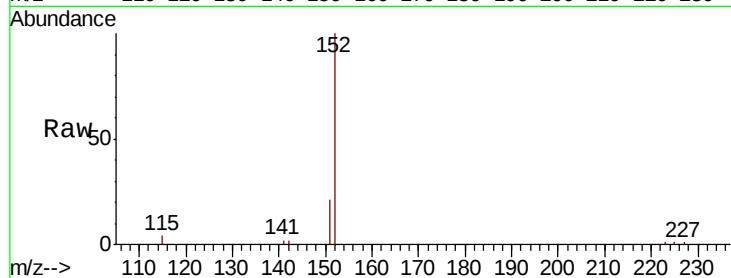




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.475 ng  
 RT: 11.76 min Scan# 989  
 Delta R.T. -0.00 min  
 Lab File: BN007416.D  
 Acq: 26 Aug 2019 19:00

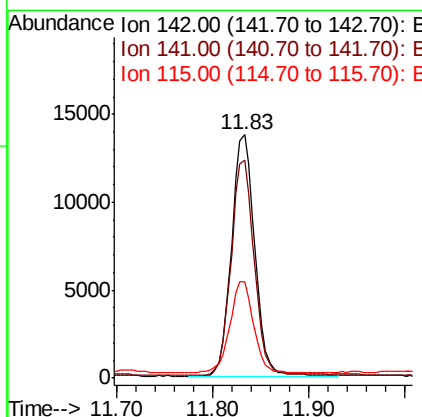
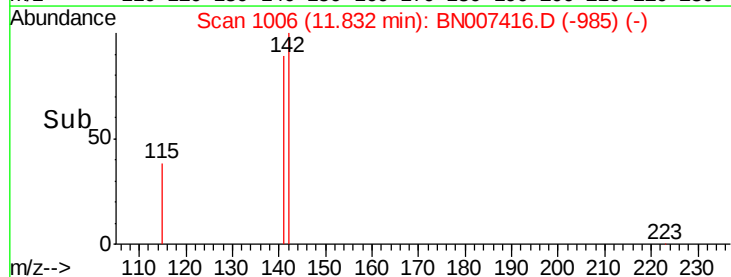
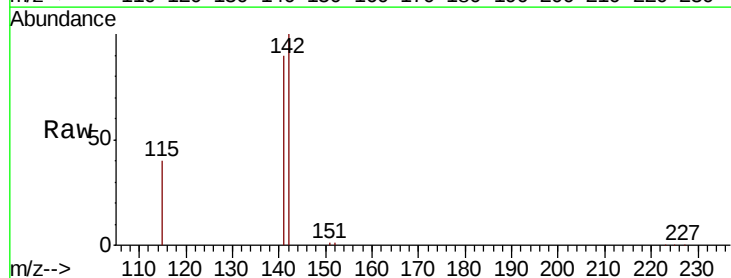
Instrument :  
 BNA\_N  
 ClientSampleId :  
 S602-M-1.0-1.5-082319MS

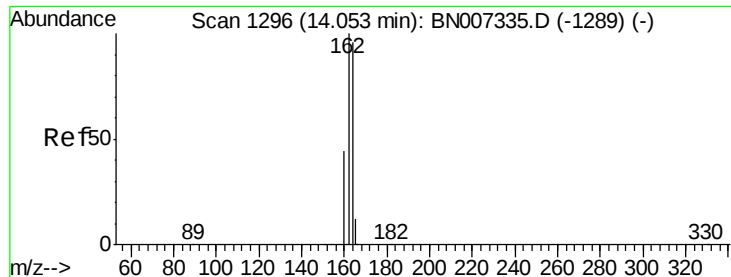
Tgt Ion:152 Resp: 15041  
 Ion Ratio Lower Upper  
 152 100  
 151 16.7 16.2 24.2



#12  
 2-Methylnaphthalene  
 Concen: 0.622 ng  
 RT: 11.83 min Scan# 1006  
 Delta R.T. -0.00 min  
 Lab File: BN007416.D  
 Acq: 26 Aug 2019 19:00

Tgt Ion:142 Resp: 23086  
 Ion Ratio Lower Upper  
 142 100  
 141 89.6 72.8 109.2  
 115 39.7 35.2 52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

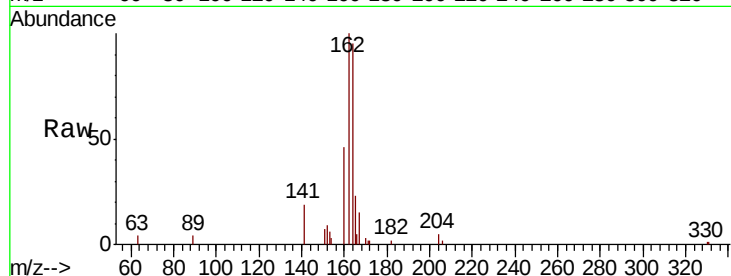
Tgt Ion:164 Resp: 11170

Ion Ratio Lower Upper

164 100

162 104.8 83.5 125.3

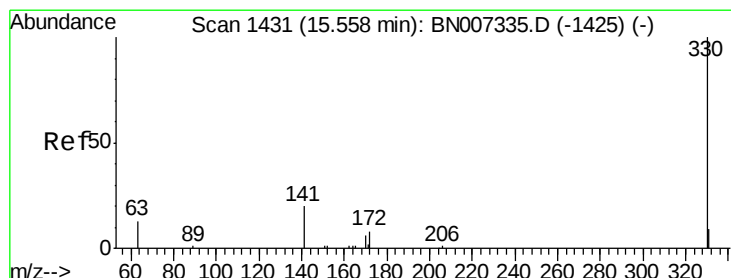
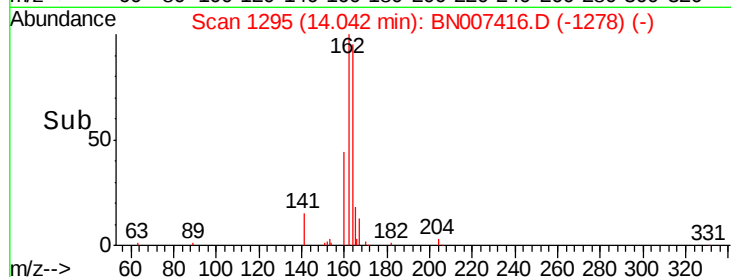
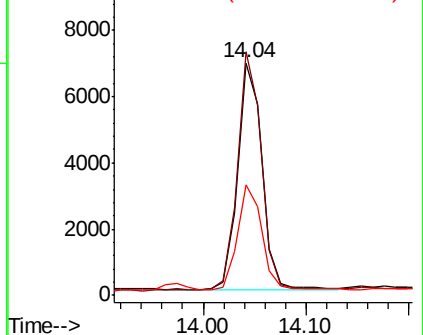
160 47.8 38.2 57.4



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: 0.423 ng

RT: 15.55 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

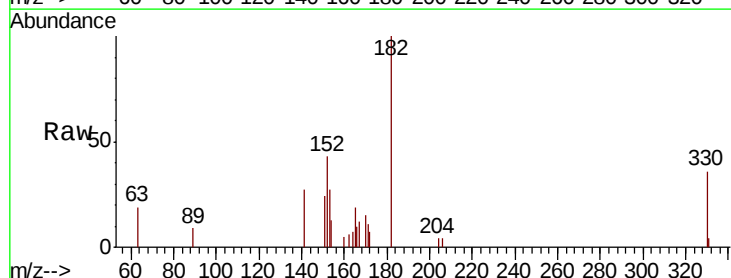
Tgt Ion:330 Resp: 2471

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

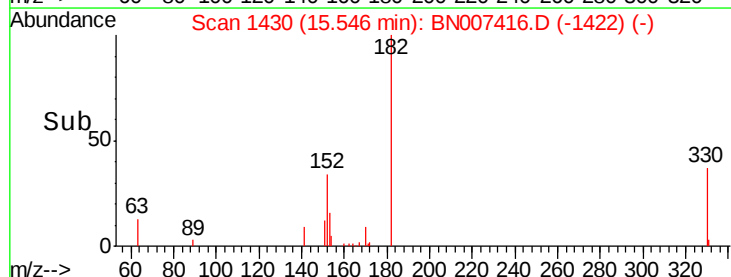
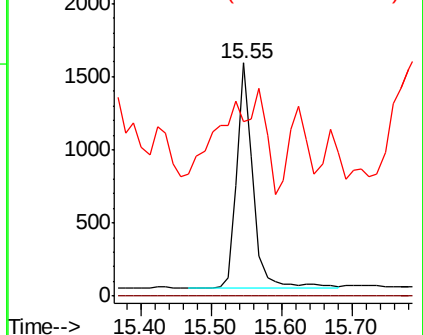
141 57.9 26.9 40.3#

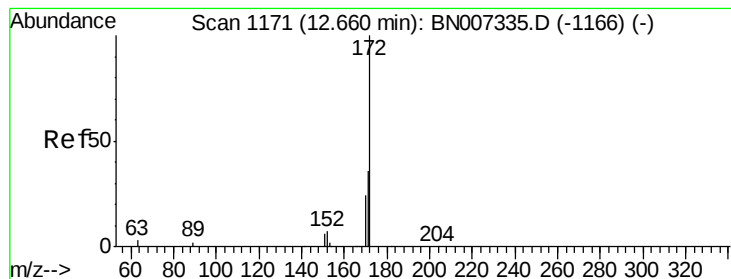


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.327 ng

RT: 12.66 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

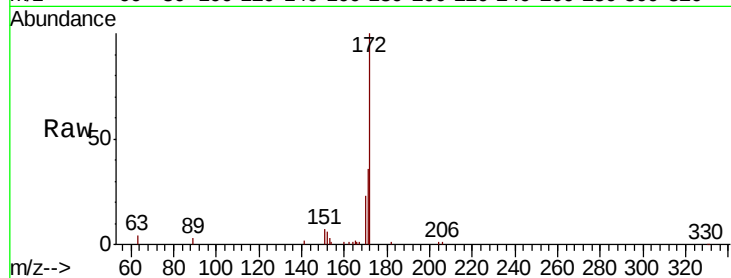
Tgt Ion:172 Resp: 14742

Ion Ratio Lower Upper

172 100

171 35.9 30.3 45.5

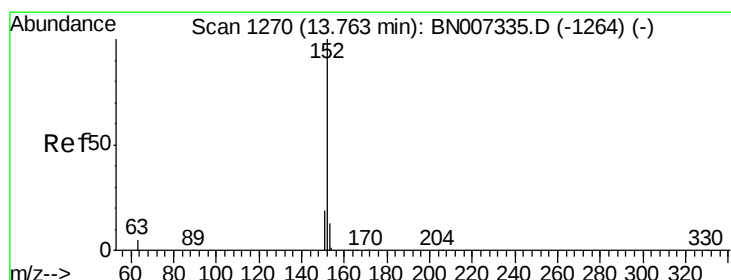
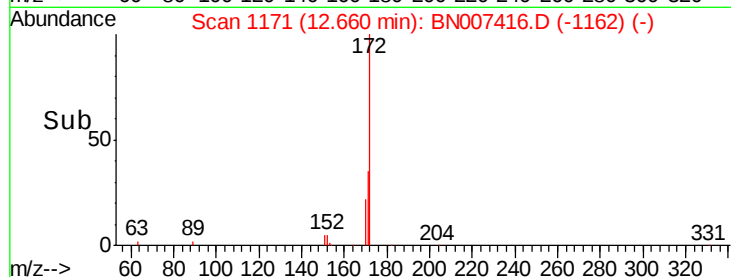
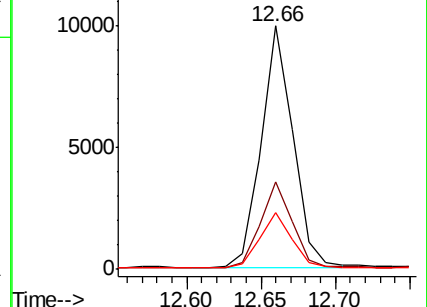
170 23.2 20.7 31.1



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



#16

Acenaphthylene

Concen: 0.535 ng

RT: 13.76 min Scan# 1270

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

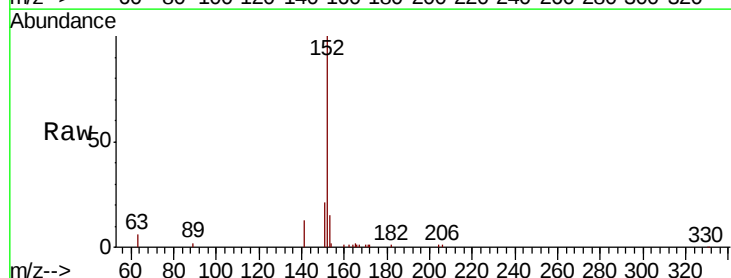
Tgt Ion:152 Resp: 35379

Ion Ratio Lower Upper

152 100

151 22.2 16.1 24.1

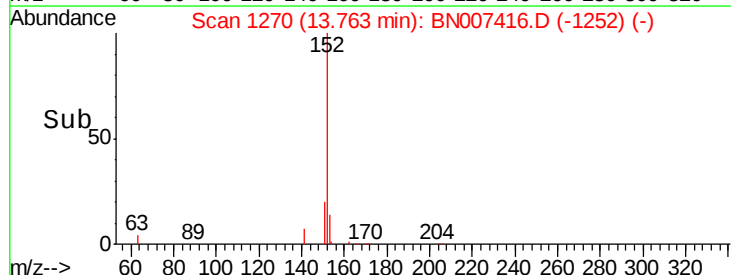
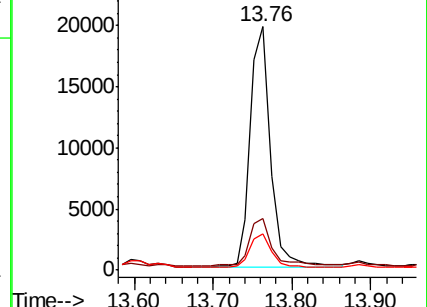
153 15.1 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 1.155 ng

RT: 14.11 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

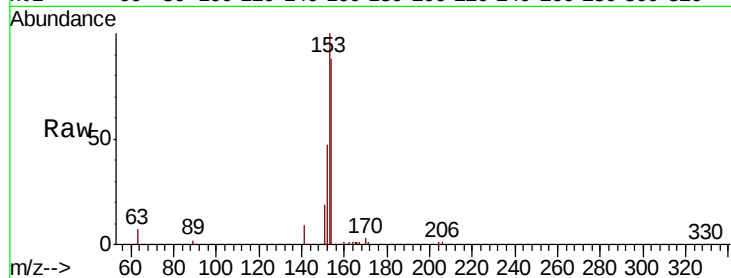
Tgt Ion:154 Resp: 44666

Ion Ratio Lower Upper

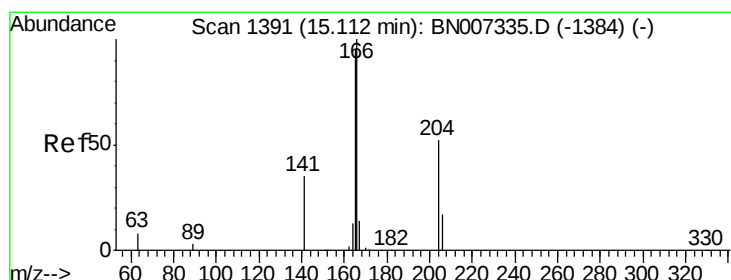
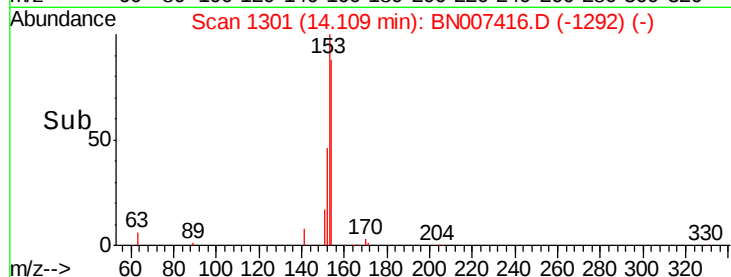
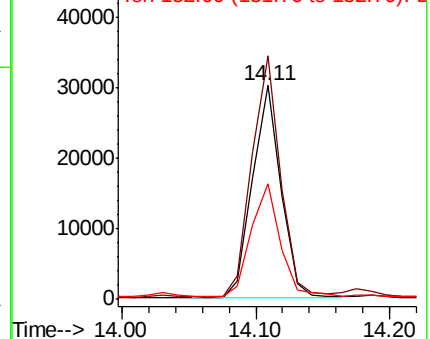
154 100

153 114.3 92.8 139.2

152 53.2 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: 1.142 ng

RT: 15.10 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

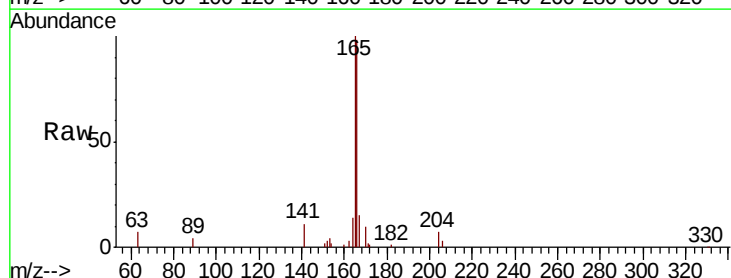
Tgt Ion:166 Resp: 55868

Ion Ratio Lower Upper

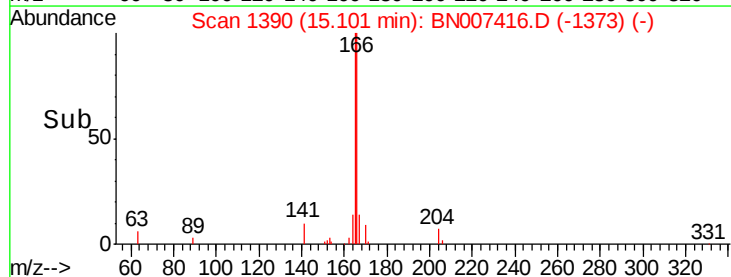
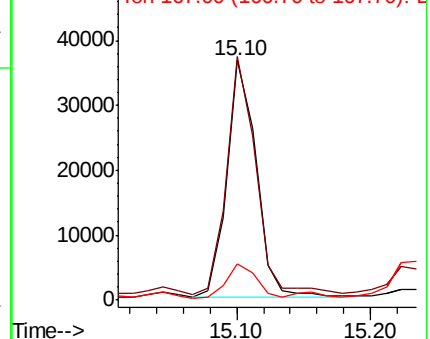
166 100

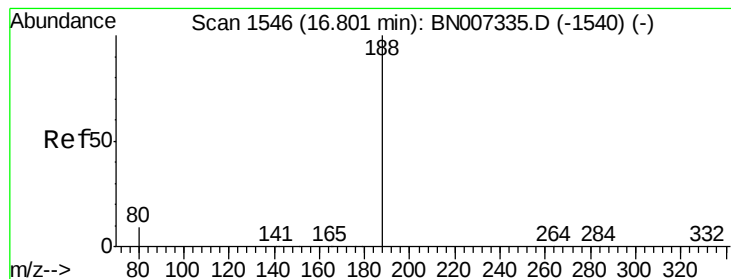
165 100.8 79.0 118.4

167 14.7 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: 16.80 min Scan# 1546

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

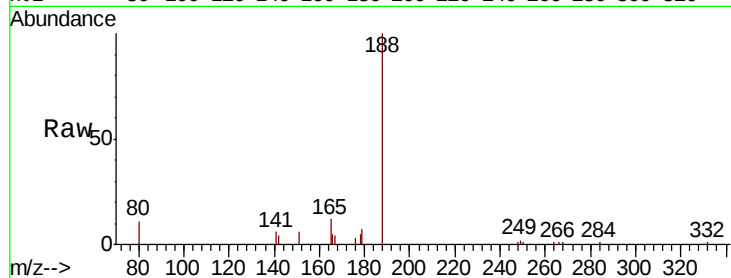
Tgt Ion:188 Resp: 21875

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

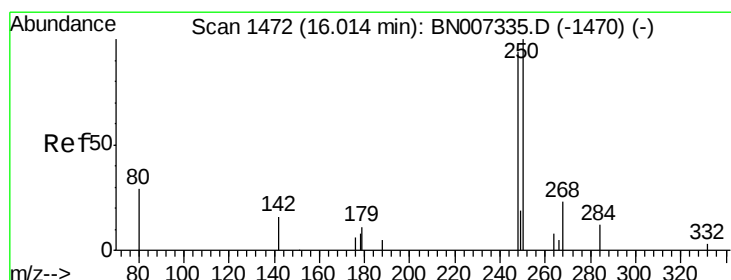
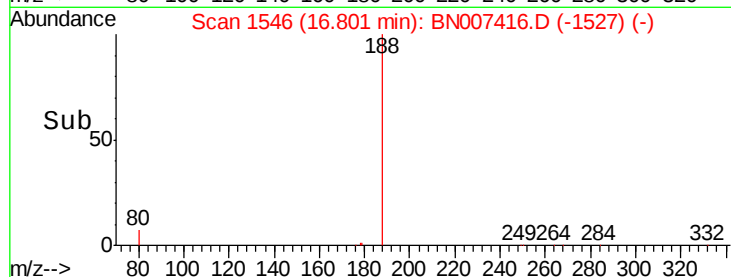
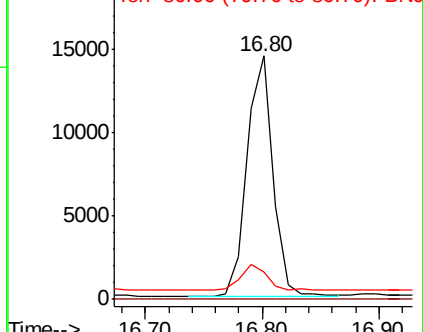
80 11.2 11.8 17.8#



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: 0.196 ng

RT: 16.01 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

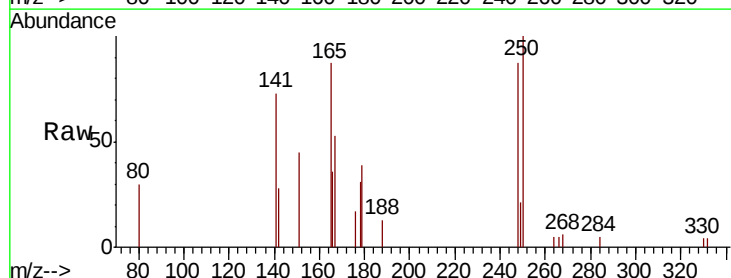
Tgt Ion:248 Resp: 1695

Ion Ratio Lower Upper

248 100

250 114.9 85.0 127.6

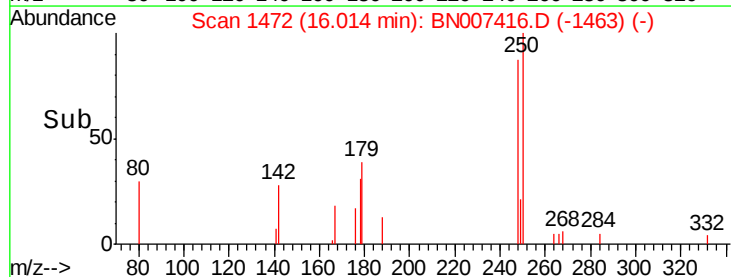
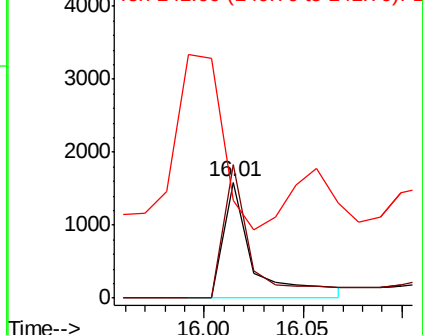
141 84.2 51.7 77.5#



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: 0.367 ng

RT: 16.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

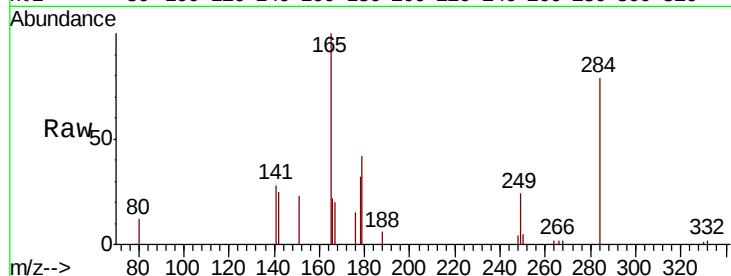
Tgt Ion:284 Resp: 5381

Ion Ratio Lower Upper

284 100

142 37.7 29.0 43.6

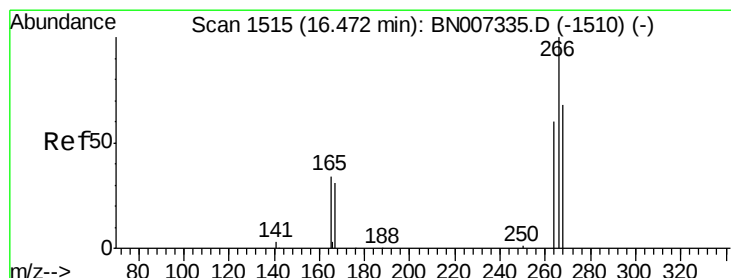
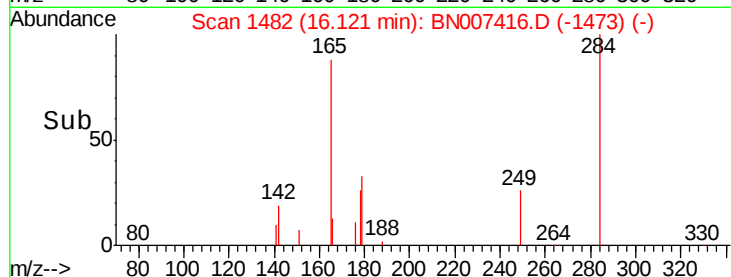
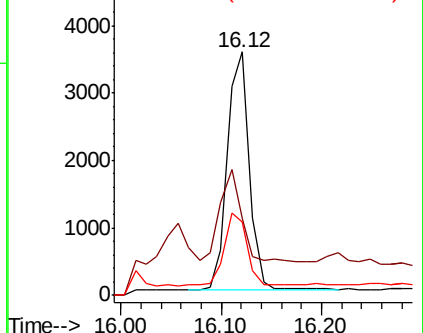
249 31.1 24.9 37.3



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: 0.790 ng

RT: 16.46 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

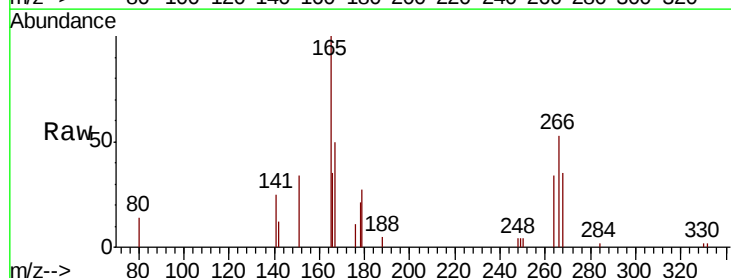
Tgt Ion:266 Resp: 3598

Ion Ratio Lower Upper

266 100

264 63.9 57.8 86.8

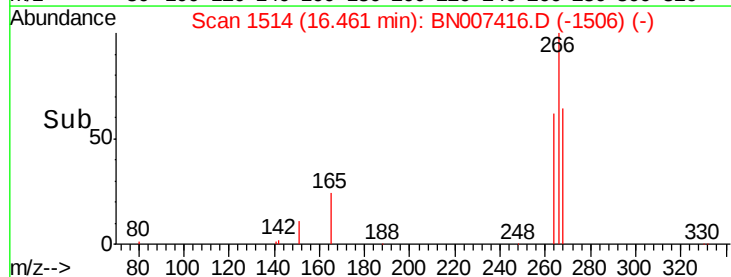
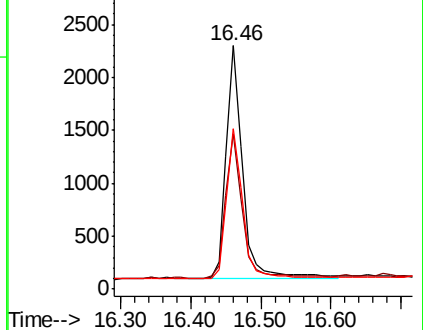
268 65.6 99.7 149.5#



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: 9.170 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

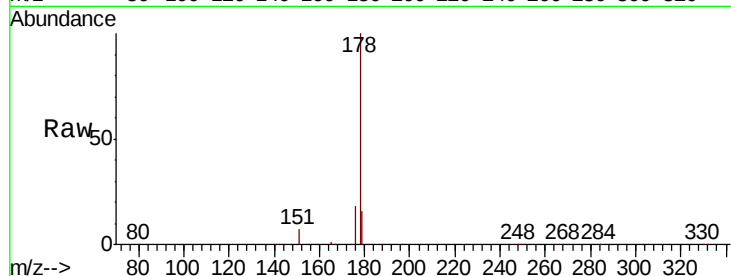
Tgt Ion:178 Resp: 603366

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

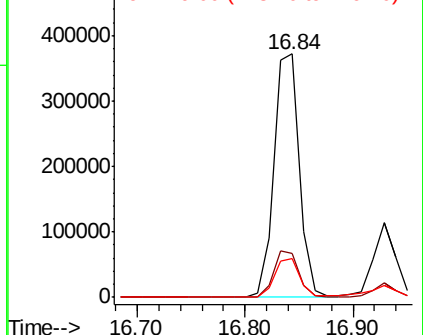
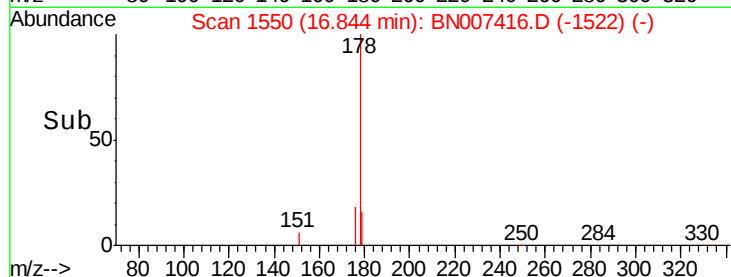
179 15.7 12.6 19.0



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: 2.325 ng

RT: 16.93 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

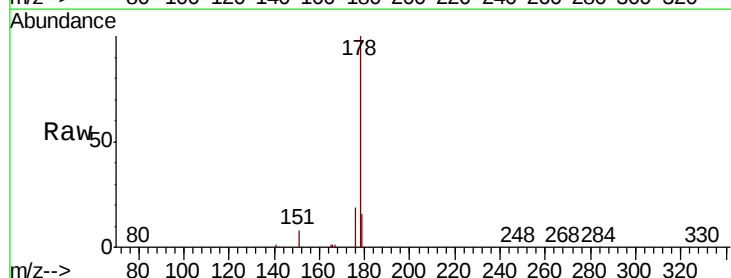
Tgt Ion:178 Resp: 153899

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

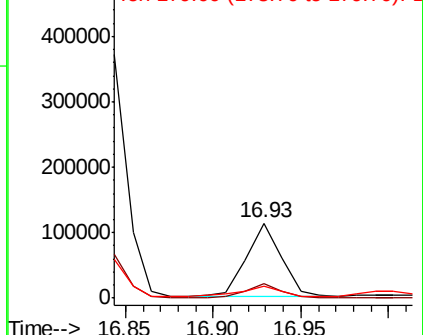
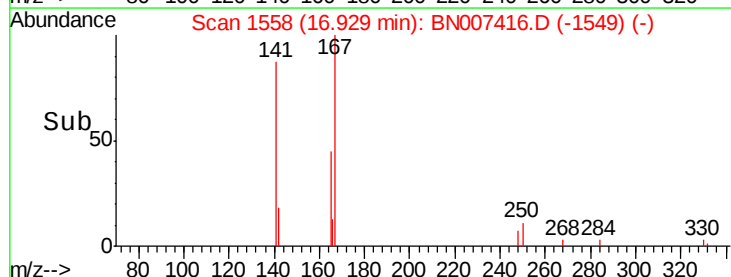
179 18.5 12.4 18.6

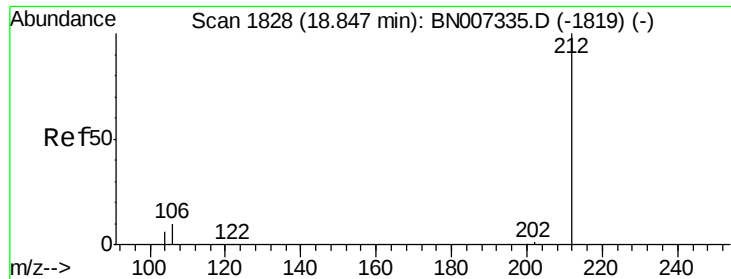


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

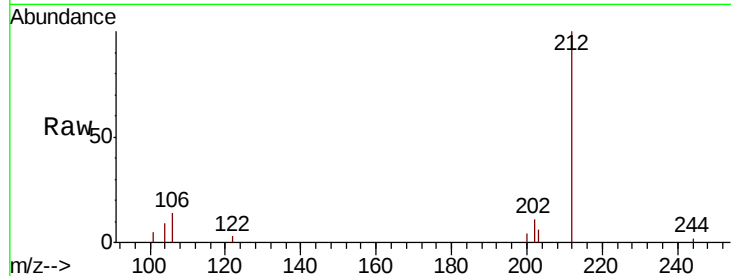
Tgt Ion:212 Resp: 27141

Ion Ratio Lower Upper

212 100

106 11.4 9.0 13.4

104 7.3 5.4 8.2

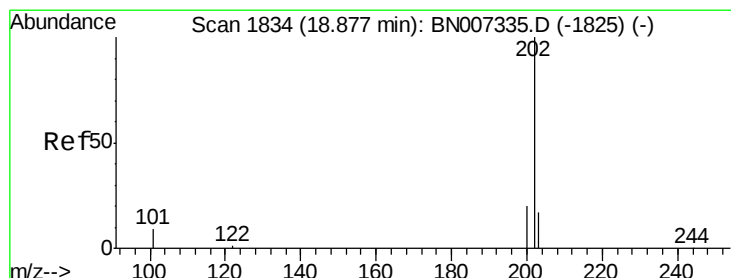
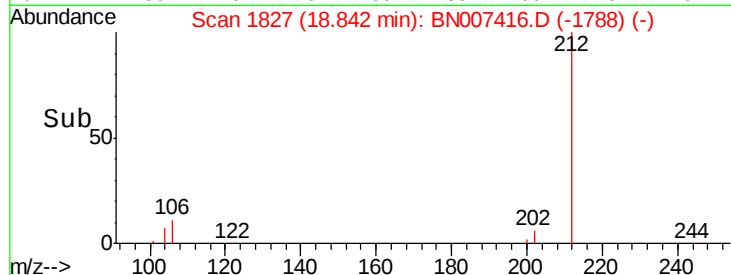
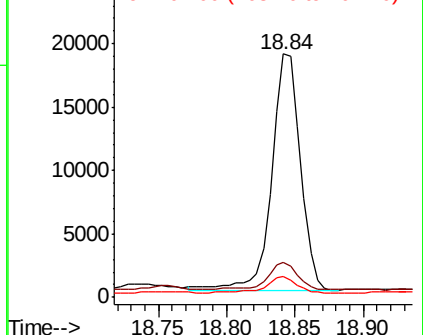


Abundance

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: 22.548 ng

RT: 18.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

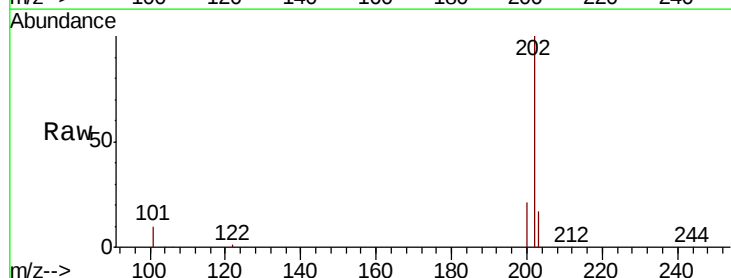
Tgt Ion:202 Resp: 1904942

Ion Ratio Lower Upper

202 100

101 9.7 7.7 11.5

203 17.5 13.7 20.5

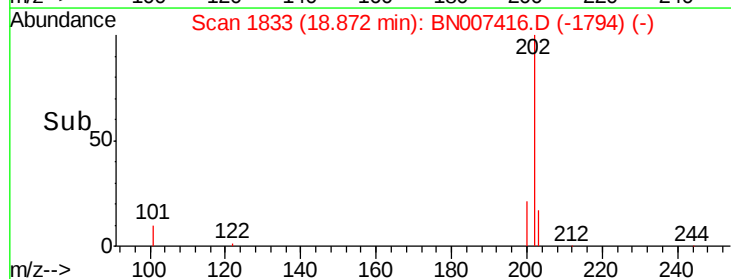
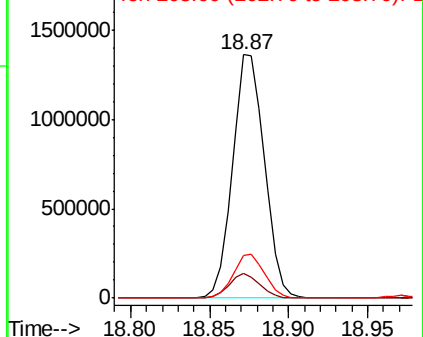


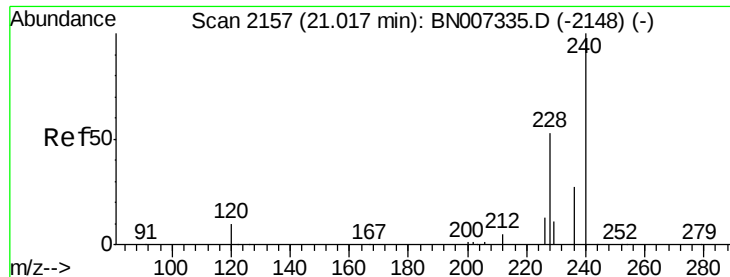
Abundance

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

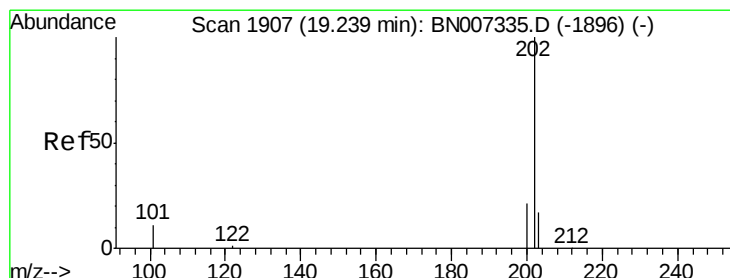
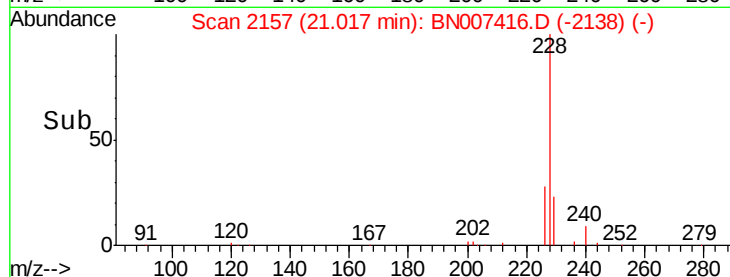
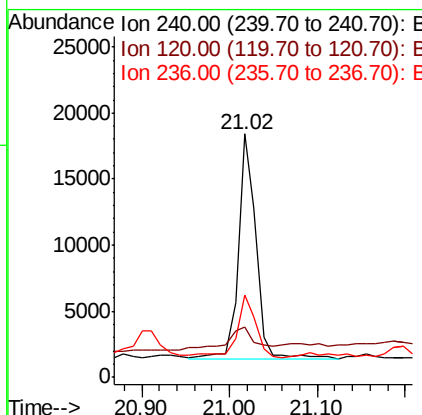
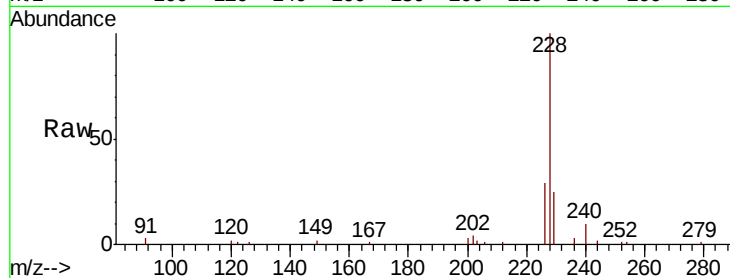




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.02 min Scan# 2157  
Delta R.T. -0.00 min  
Lab File: BN007416.D  
Acq: 26 Aug 2019 19:00

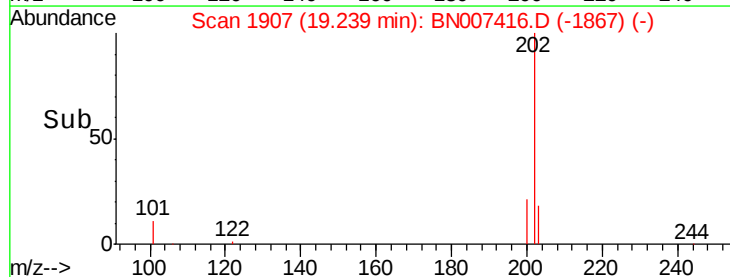
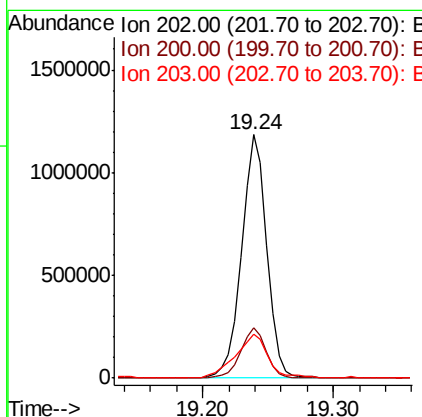
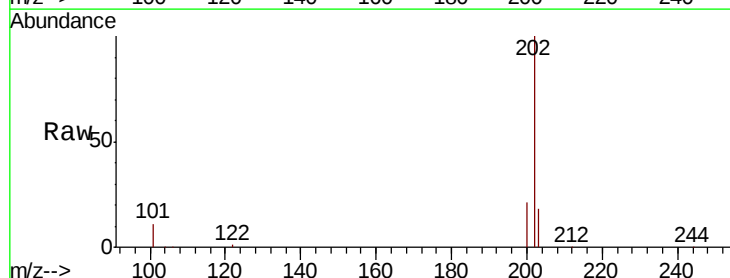
Instrument :  
BNA\_N  
ClientSampleId :  
S602-M-1.0-1.5-082319MS

Tgt Ion: 240 Resp: 23662  
Ion Ratio Lower Upper  
240 100  
120 20.5 9.6 14.4#  
236 33.6 22.2 33.2#



#28  
Pyrene  
Concen: 16.747 ng  
RT: 19.24 min Scan# 1907  
Delta R.T. -0.00 min  
Lab File: BN007416.D  
Acq: 26 Aug 2019 19:00

Tgt Ion: 202 Resp: 1594037  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.6 25.0  
203 23.1 14.2 21.4#





#29

Terphenyl-d14

Concen: 0.321 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

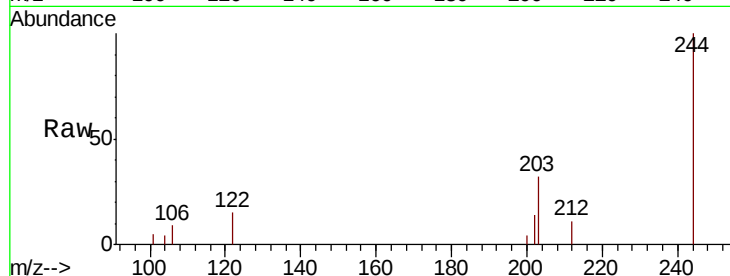
Tgt Ion:244 Resp: 19891

Ion Ratio Lower Upper

244 100

212 11.1 7.0 10.6#

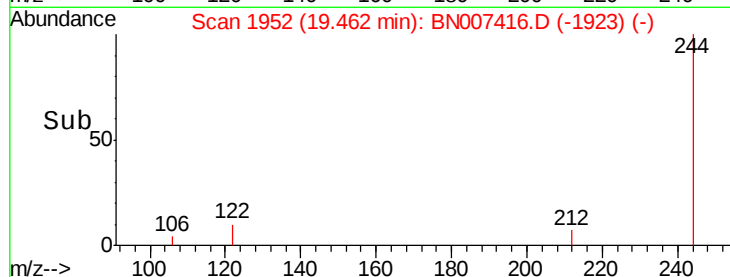
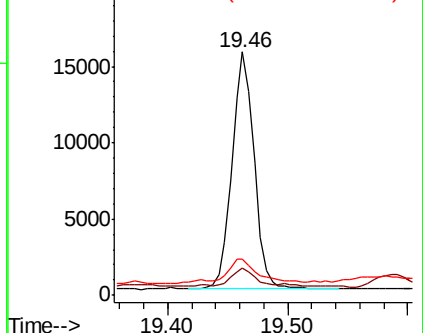
122 14.9 9.6 14.4#



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: 9.721 ng

RT: 21.01 min Scan# 2156

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

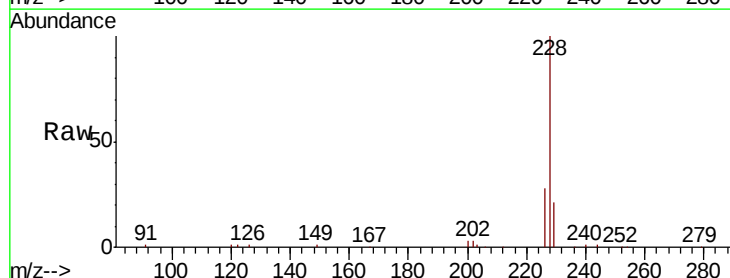
Tgt Ion:228 Resp: 903346

Ion Ratio Lower Upper

228 100

226 27.5 21.3 31.9

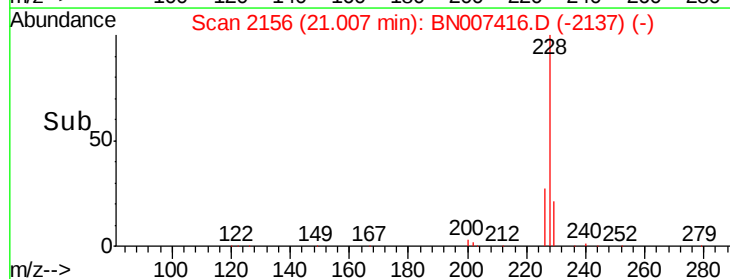
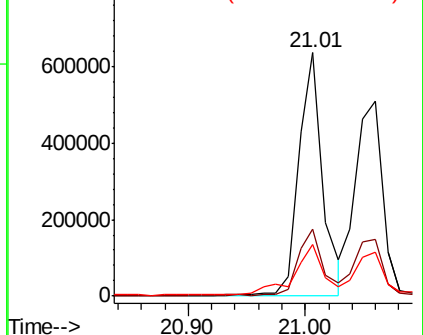
229 21.1 16.1 24.1

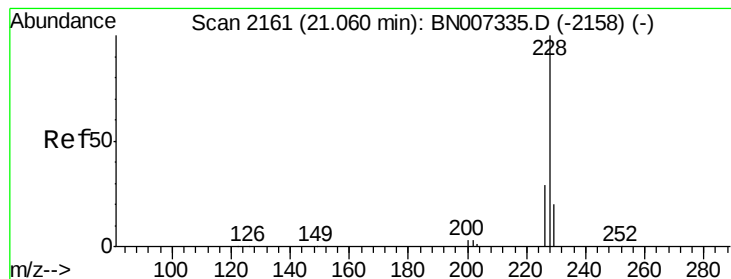


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 8.993 ng

RT: 21.06 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

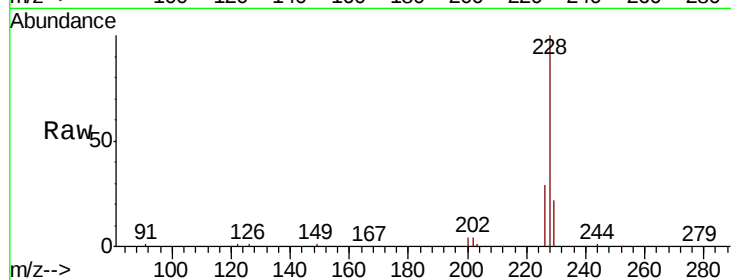
Tgt Ion:228 Resp: 806652

Ion Ratio Lower Upper

228 100

226 28.7 23.5 35.3

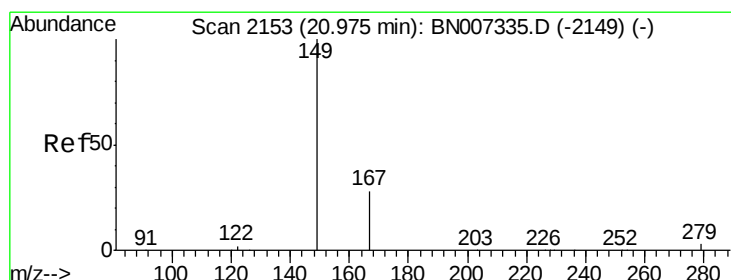
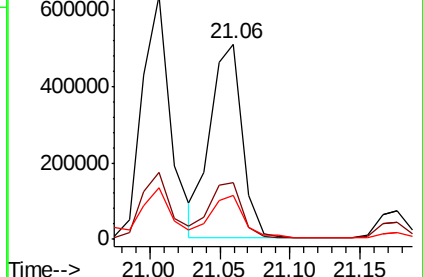
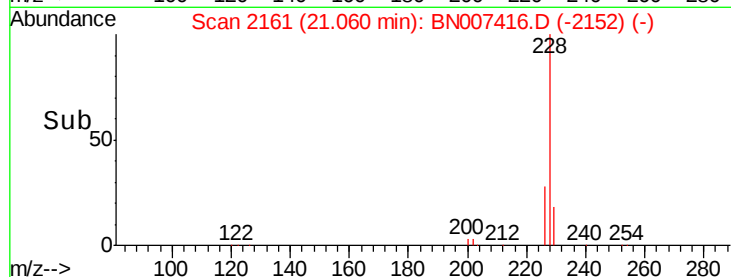
229 22.4 16.6 24.8



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: 0.567 ng

RT: 20.97 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

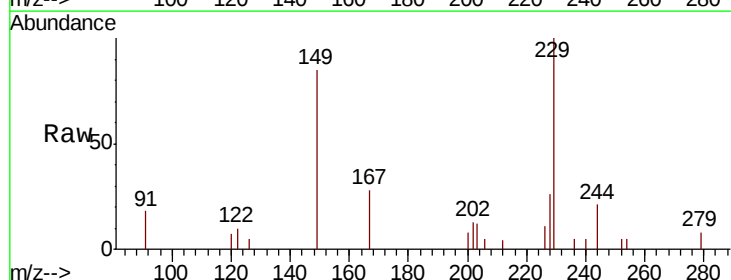
Tgt Ion:149 Resp: 35250

Ion Ratio Lower Upper

149 100

167 25.7 22.8 34.2

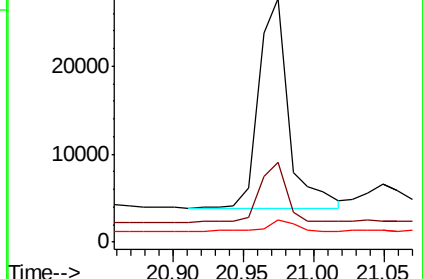
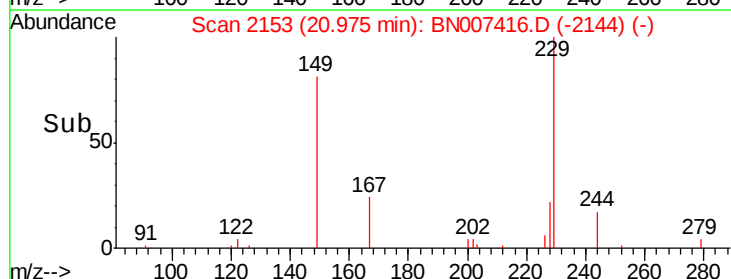
279 5.0 3.5 5.3



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

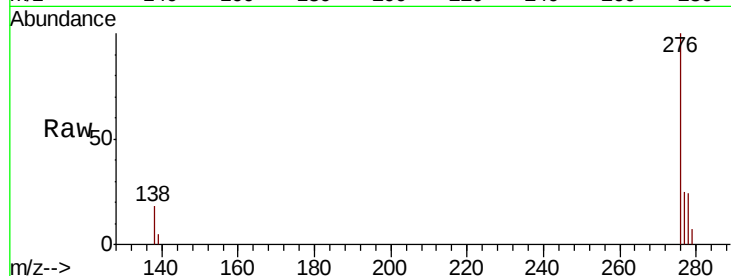




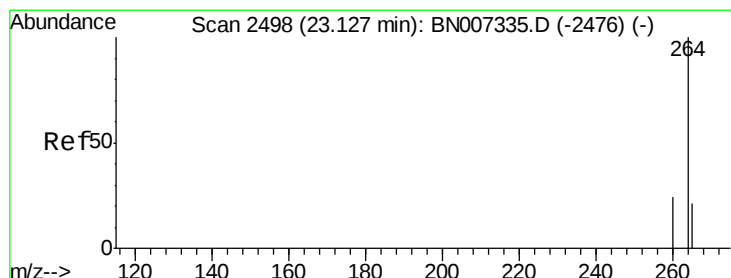
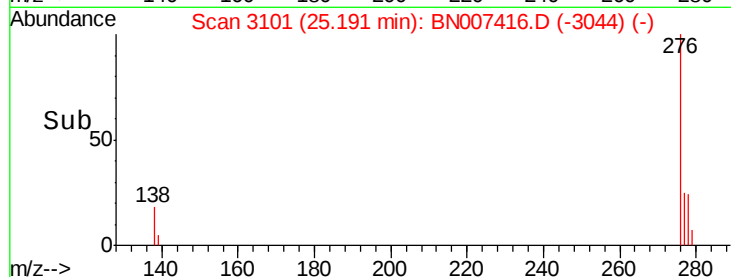
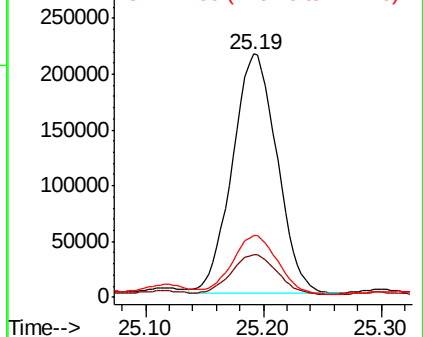
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 5.223 ng  
 RT: 25.19 min Scan# 3101  
 Delta R.T. -0.00 min  
 Lab File: BN007416.D  
 Acq: 26 Aug 2019 19:00

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S602-M-1.0-1.5-082319MS

Tgt Ion: 276 Resp: 564349  
 Ion Ratio Lower Upper  
 276 100  
 138 17.1 15.1 22.7  
 277 24.7 19.7 29.5

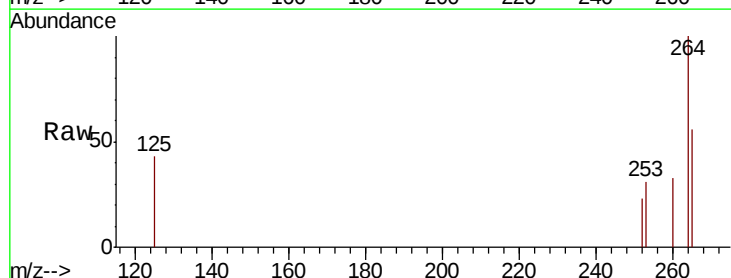


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

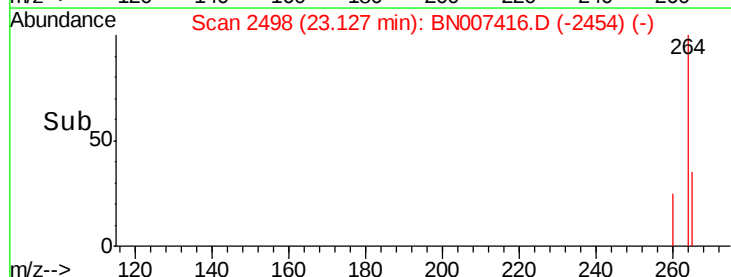
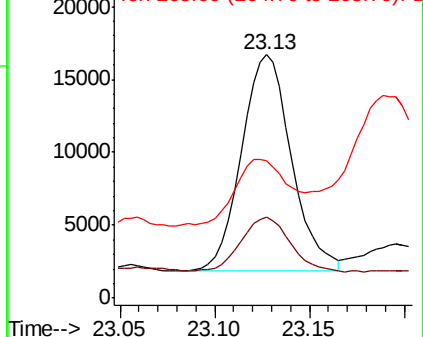


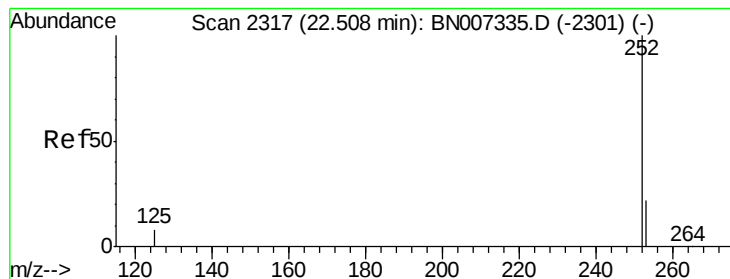
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.13 min Scan# 2498  
 Delta R.T. -0.00 min  
 Lab File: BN007416.D  
 Acq: 26 Aug 2019 19:00

Tgt Ion: 264 Resp: 27329  
 Ion Ratio Lower Upper  
 264 100  
 260 33.2 19.7 29.5#  
 265 56.4 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: 11.073 ng

RT: 22.51 min Scan# 2318

Delta R.T. 0.00 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

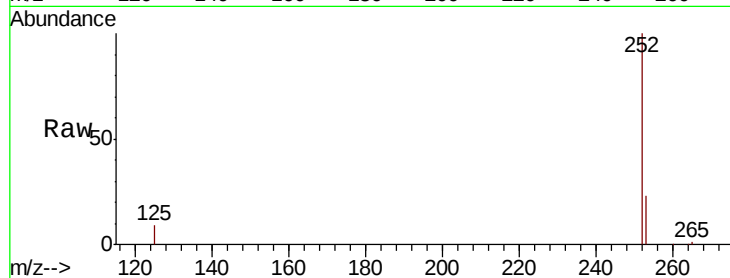
Tgt Ion:252 Resp: 1096424

Ion Ratio Lower Upper

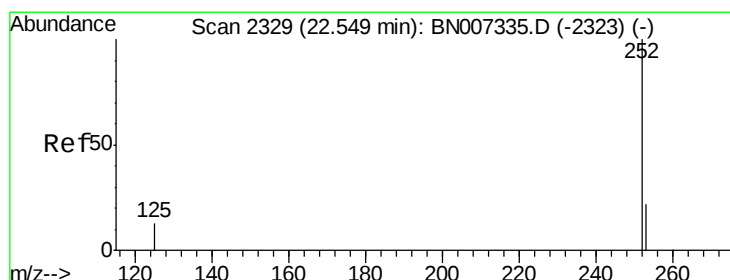
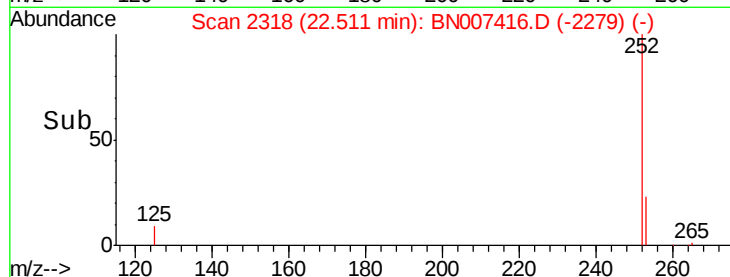
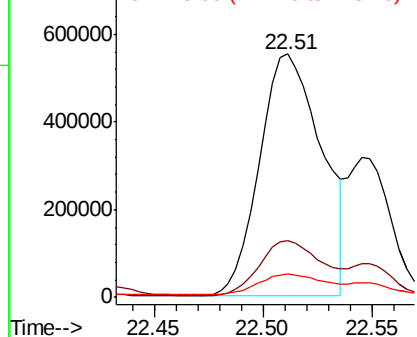
252 100

253 23.1 19.2 28.8

125 9.4 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: 11.204 ng

RT: 22.51 min Scan# 2318

Delta R.T. -0.04 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

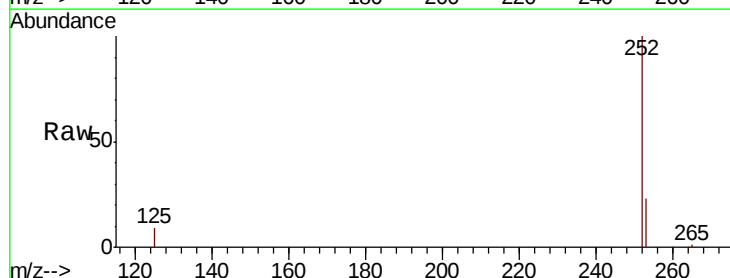
Tgt Ion:252 Resp: 1096424

Ion Ratio Lower Upper

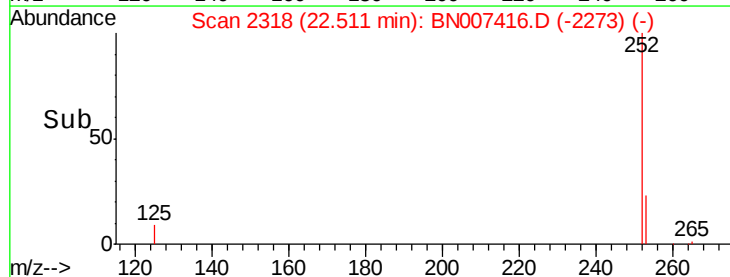
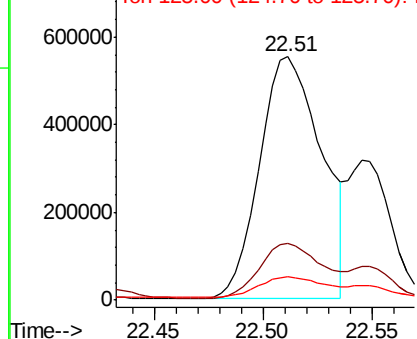
252 100

253 23.1 19.4 29.2

125 9.4 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: 5.420 ng

RT: 22.95 min Scan# 2446

Delta R.T. -0.09 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS

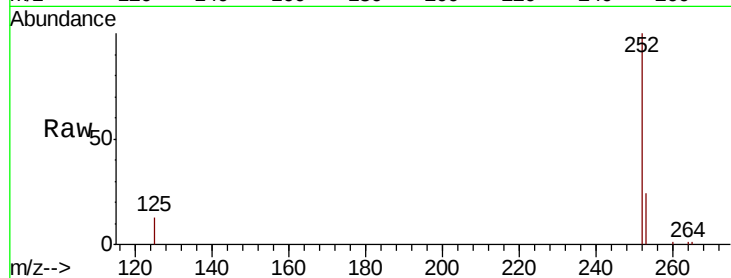
Tgt Ion:252 Resp: 510697

Ion Ratio Lower Upper

252 100

253 24.2 19.5 29.3

125 13.3 12.1 18.1

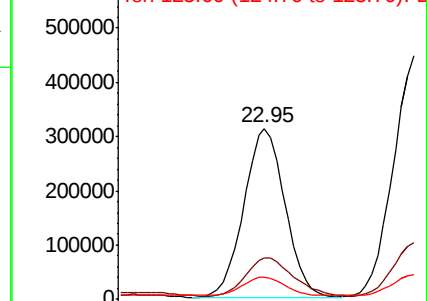


Abundance

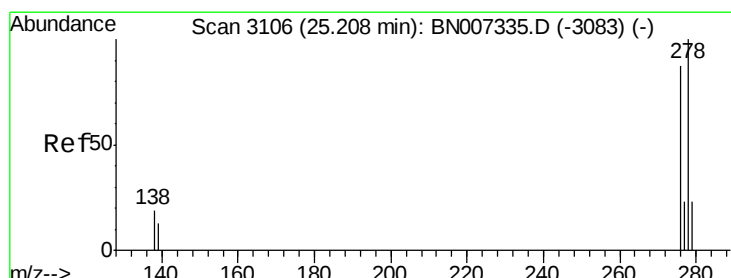
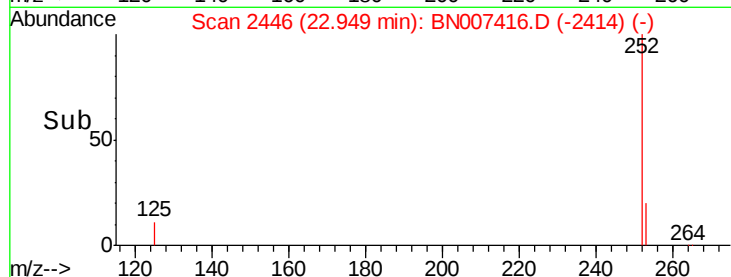
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#38

Dibenzo(a,h)anthracene

Concen: 1.803 ng

RT: 25.20 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN007416.D

Acq: 26 Aug 2019 19:00

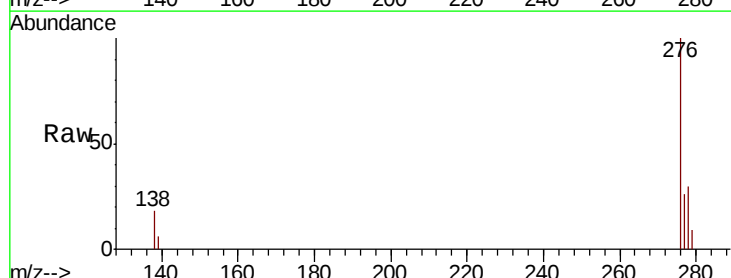
Tgt Ion:278 Resp: 169558

Ion Ratio Lower Upper

278 100

139 19.7 13.7 20.5

279 29.0 20.2 30.4

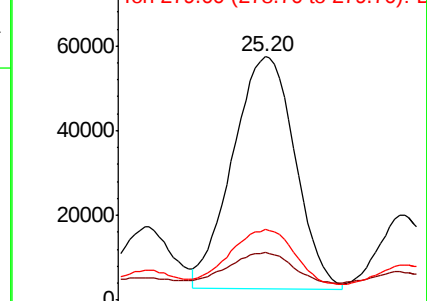


Abundance

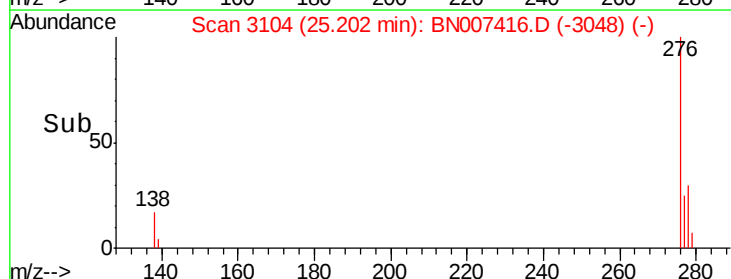
Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#39

Benzo(g,h,i)perylene

Concen: 5.741 ng

RT: 25.82 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BN007416.D

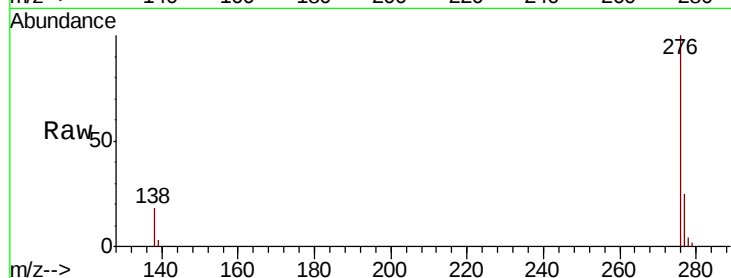
Acq: 26 Aug 2019 19:00

Instrument :

BNA\_N

ClientSampleId :

S602-M-1.0-1.5-082319MS



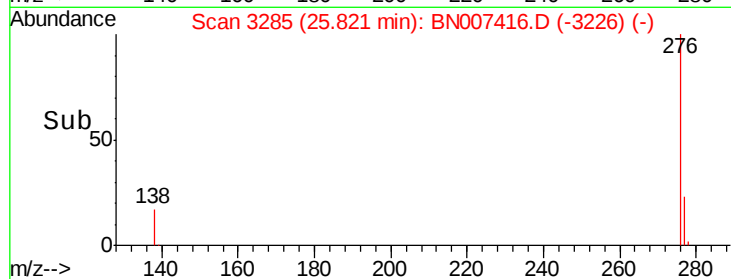
Tgt Ion: 276 Resp: 537754

Ion Ratio Lower Upper

276 100

277 24.9 19.6 29.4

138 17.9 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

