

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\  
 Data File : BN007515.D  
 Acq On : 29 Aug 2019 22:53  
 Operator : HP/JU  
 Sample : K4524-03MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT-013-IDWSO-20190823MS

Quant Time: Aug 30 02:01:38 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 | 7.40  | 152  | 4967     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 22816    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.04 | 164  | 14983    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.79 | 188  | 38357    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.02 | 240  | 40882    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.11 | 264  | 38015    | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.03  | 112  | 6556     | 0.38 | ng    | 0.00     |
| 5) Phenol-d6                | 6.59  | 99   | 9363     | 0.43 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.53  | 82   | 5921     | 0.30 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.75 | 152  | 12950    | 0.34 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.55 | 330  | 5487     | 0.70 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl        | 12.66 | 172  | 16432    | 0.27 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.84 | 212  | 32265    | 0.26 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.46 | 244  | 48440    | 0.45 | ng    | 0.00     |

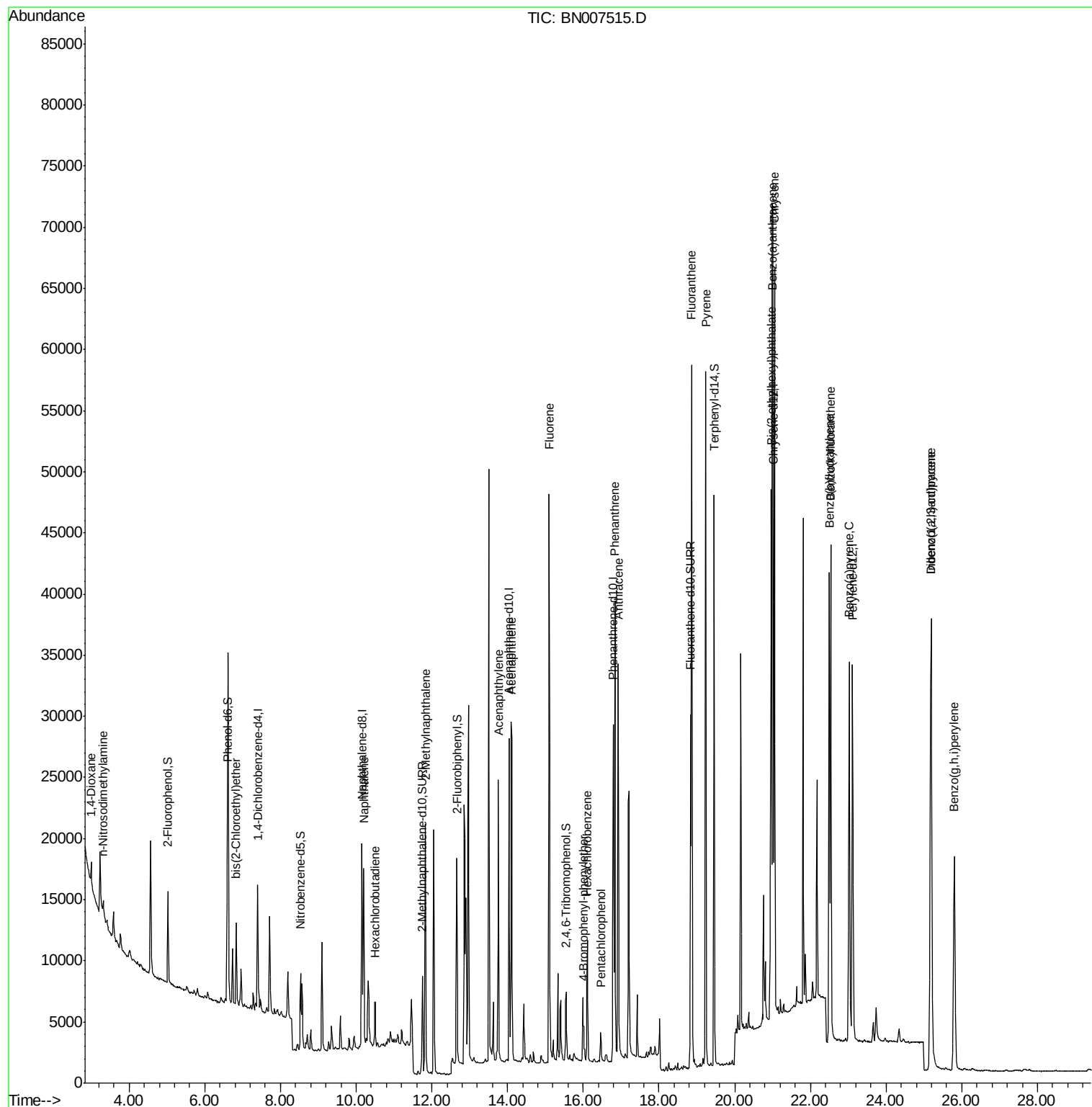
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.00  | 88   | 1899     | 0.230 | ng    | # 86   |
| 3) n-Nitrosodimethylamine      | 3.31  | 42   | 988      | 0.258 | ng    | # 62   |
| 6) bis(2-Chloroethyl)ether     | 6.83  | 93   | 5711     | 0.318 | ng    | 97     |
| 9) Naphthalene                 | 10.20 | 128  | 20748    | 0.318 | ng    | # 90   |
| 10) Hexachlorobutadiene        | 10.51 | 225  | 3571     | 0.267 | ng    | # 100  |
| 12) 2-Methylnaphthalene        | 11.83 | 142  | 15414    | 0.347 | ng    | 95     |
| 16) Acenaphthylene             | 13.75 | 152  | 26275    | 0.296 | ng    | 99     |
| 17) Acenaphthene               | 14.11 | 154  | 16154    | 0.311 | ng    | 98     |
| 18) Fluorene                   | 15.10 | 166  | 22037    | 0.336 | ng    | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248  | 1676     | 0.111 | ng    | # 85   |
| 21) Hexachlorobenzene          | 16.11 | 284  | 7850     | 0.305 | ng    | 96     |
| 22) Pentachlorophenol          | 16.46 | 266  | 1558     | 0.195 | ng    | # 63   |
| 23) Phenanthrene               | 16.83 | 178  | 39733    | 0.344 | ng    | 99     |
| 24) Anthracene                 | 16.93 | 178  | 36985    | 0.319 | ng    | 99     |
| 26) Fluoranthene               | 18.87 | 202  | 50734    | 0.342 | ng    | 99     |
| 28) Pyrene                     | 19.23 | 202  | 52476    | 0.319 | ng    | 99     |
| 30) Benzo(a)anthracene         | 21.00 | 228  | 50811    | 0.316 | ng    | 99     |
| 31) Chrysene                   | 21.05 | 228  | 48421    | 0.312 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 40325    | 0.369 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.18 | 276  | 43592    | 0.234 | ng    | 98     |
| 35) Benzo(b)fluoranthene       | 22.50 | 252  | 46054    | 0.334 | ng    | 98     |
| 36) Benzo(k)fluoranthene       | 22.54 | 252  | 47577    | 0.349 | ng    | 99     |
| 37) Benzo(a)pyrene             | 23.02 | 252  | 42293    | 0.323 | ng    | 97     |
| 38) Dibenzo(a,h)anthracene     | 25.19 | 278  | 35819    | 0.274 | ng    | 99     |
| 39) Benzo(g,h,i)perylene       | 25.80 | 276  | 35929    | 0.276 | ng    | 99     |

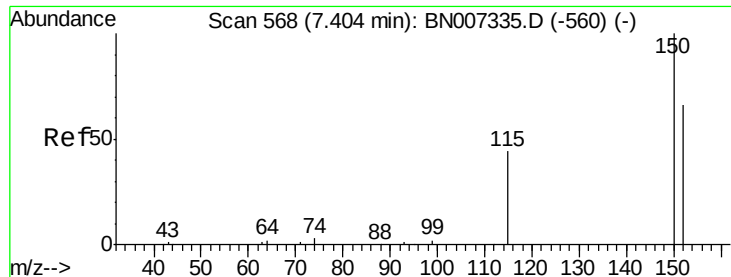
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\  
Data File : BN007515.D  
Acq On : 29 Aug 2019 22:53  
Operator : HP/JU  
Sample : K4524-03MS  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
TT-013-IDWSO-20190823MS

Quant Time: Aug 30 02:01:38 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



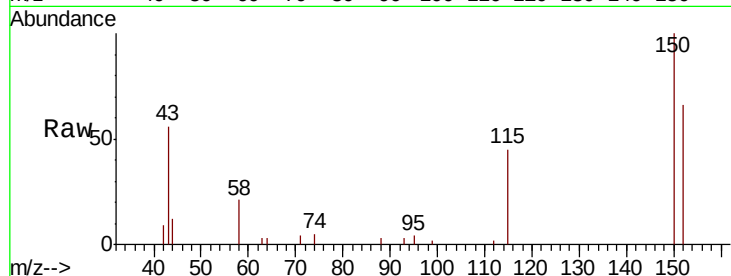


#1

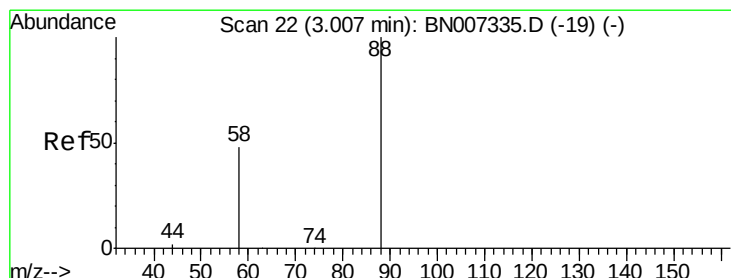
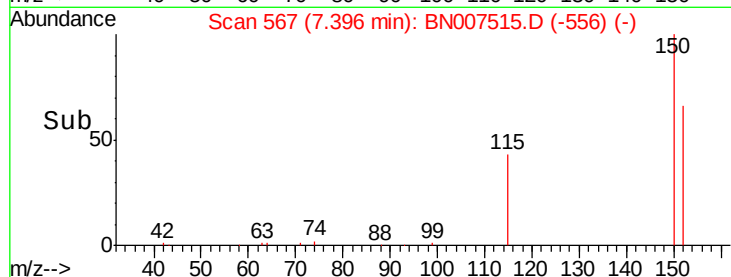
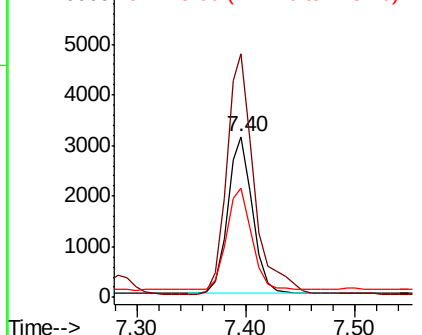
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 567  
Delta R.T. -0.01 min  
Lab File: BN007515.D  
Acq: 29 Aug 2019 22:53

Instrument :  
BNA\_N  
ClientSampleId :  
TT-013-IDWSO-20190823MS

Tot Ion:152 Resp: 4967  
Ion Ratio Lower Upper  
152 100  
150 151.5 109.1 163.7  
115 67.8 59.6 89.4



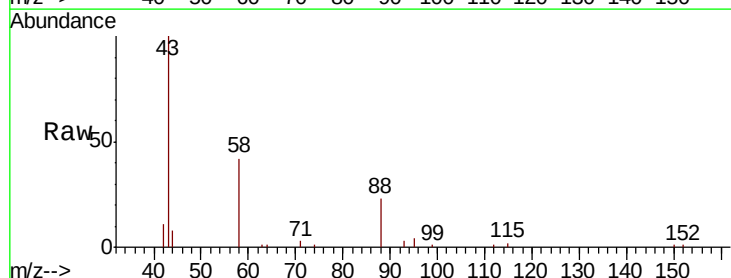
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



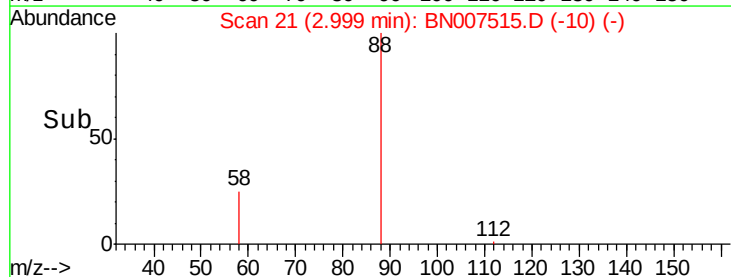
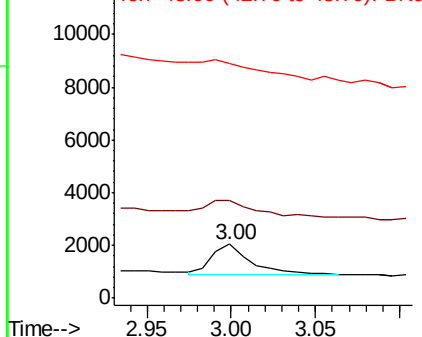
#2

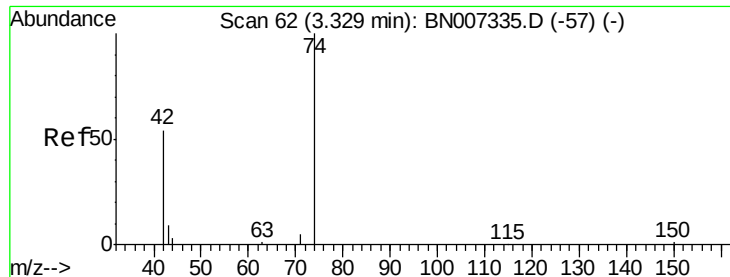
1,4-Dioxane  
Concen: 0.230 ng  
RT: 3.00 min Scan# 21  
Delta R.T. -0.01 min  
Lab File: BN007515.D  
Acq: 29 Aug 2019 22:53

Tgt Ion: 88 Resp: 1899  
Ion Ratio Lower Upper  
88 100  
58 74.3 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: 0.258 ng

RT: 3.31 min Scan# 60

Delta R.T. -0.02 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

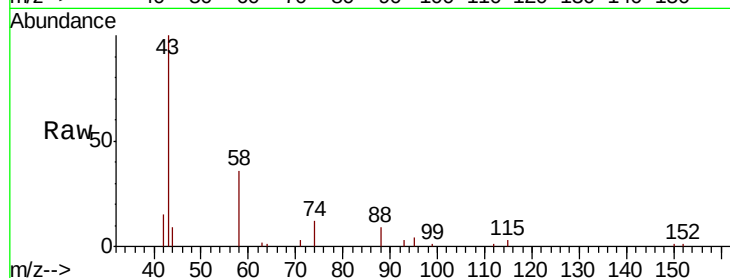
Tot Ion: 42 Resp: 988

Ion Ratio Lower Upper

42 100

74 236.3 144.7 217.1#

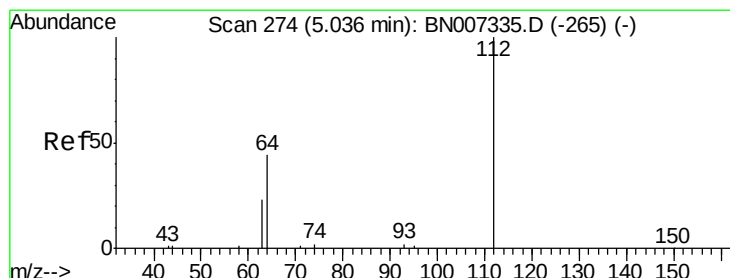
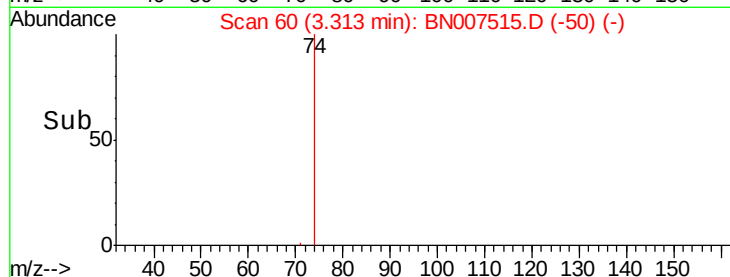
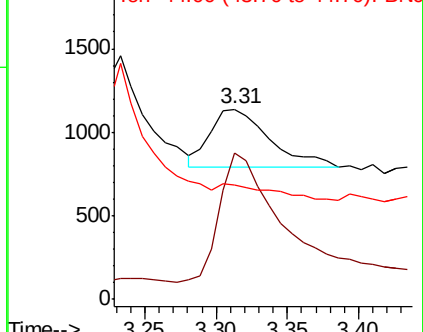
44 0.0 3.2 4.8#



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: 0.379 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

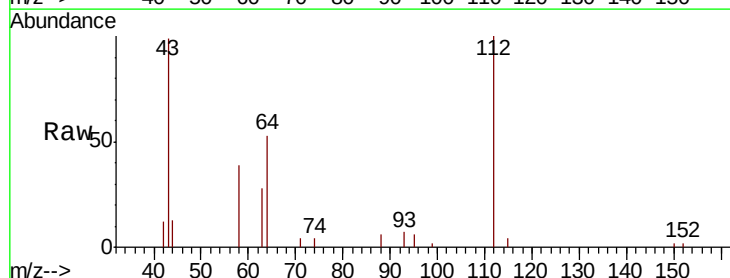
Tgt Ion: 112 Resp: 6556

Ion Ratio Lower Upper

112 100

64 53.9 42.3 63.5

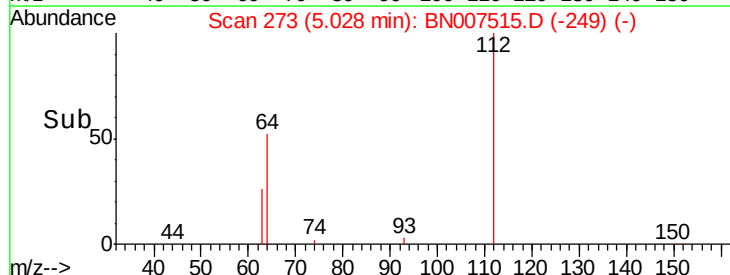
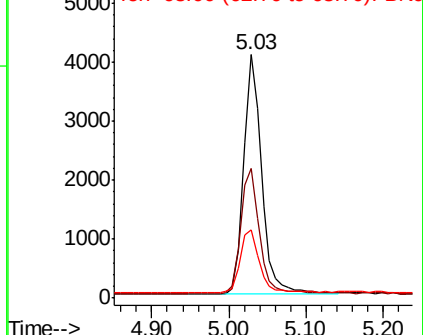
63 28.2 23.6 35.4

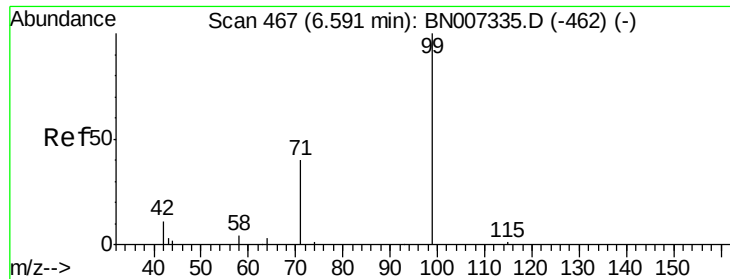


Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.429 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

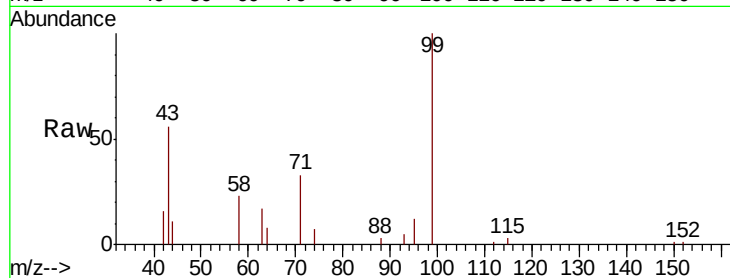
Tot Ion: 99 Resp: 9363

Ion Ratio Lower Upper

99 100

42 22.0 11.2 16.8#

71 33.1 31.8 47.8



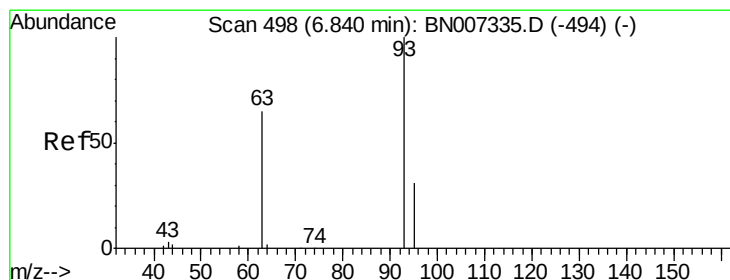
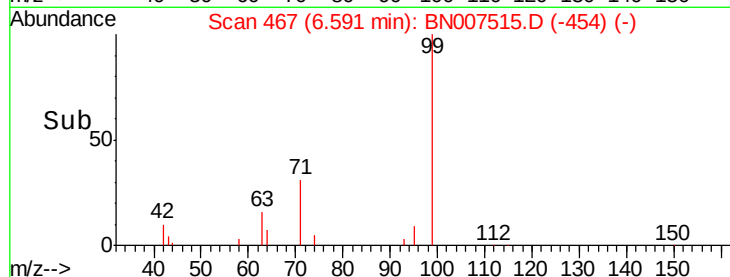
Abundance Ion 99.00 (98.70 to 99.70): BN007515.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007515.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007515.D (-462) (-)

6.59

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.318 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

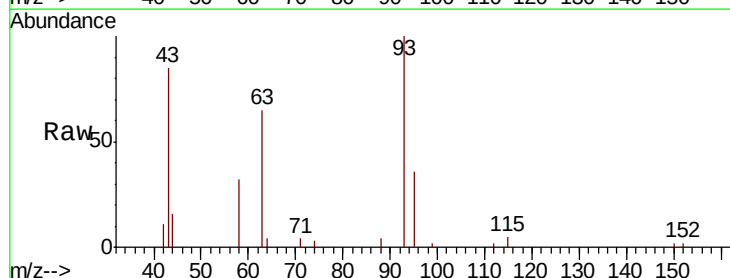
Tgt Ion: 93 Resp: 5711

Ion Ratio Lower Upper

93 100

63 63.3 51.9 77.9

95 31.6 27.7 41.5



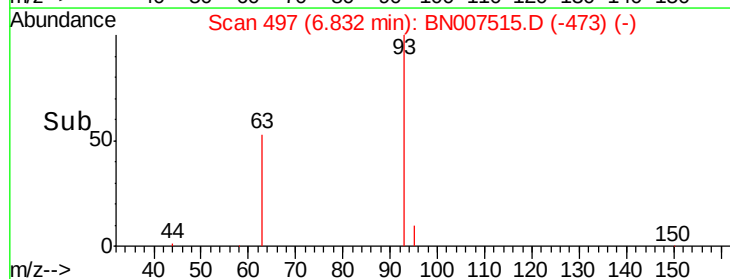
Abundance Ion 93.00 (92.70 to 93.70): BN007515.D (-494) (-)

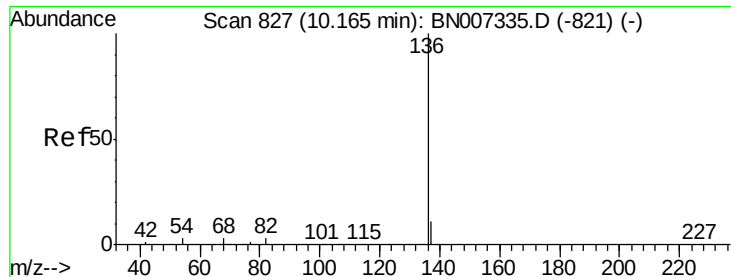
Ion 63.00 (62.70 to 63.70): BN007515.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007515.D (-494) (-)

6.83

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

Tot Ion:136 Resp: 22816

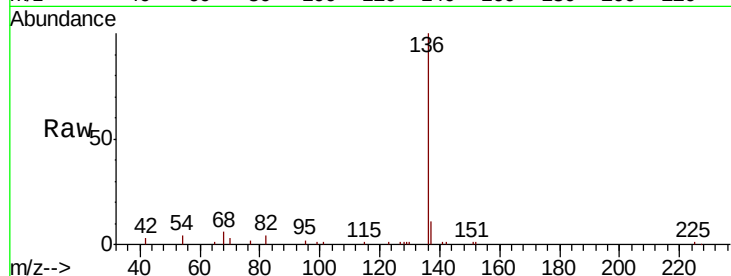
Ion Ratio Lower Upper

136 100

137 11.2 12.9 19.3#

54 4.3 8.6 12.8#

68 5.9 17.0 25.4#

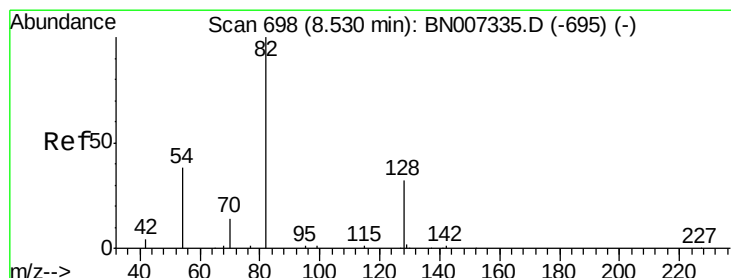
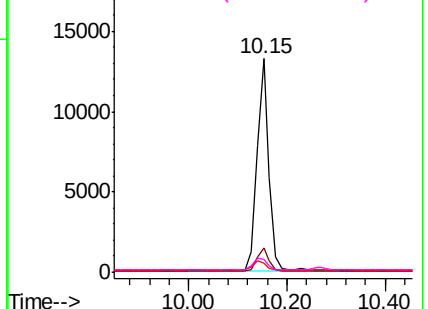
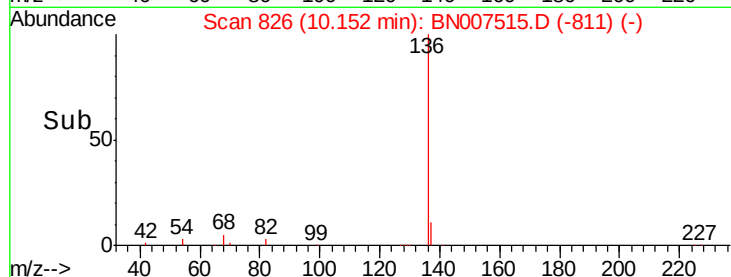


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.298 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

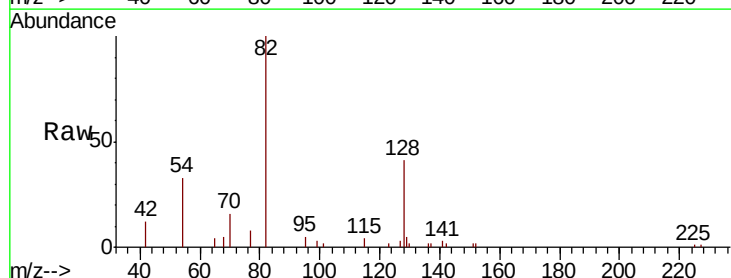
Tgt Ion: 82 Resp: 5921

Ion Ratio Lower Upper

82 100

128 41.3 19.7 29.5#

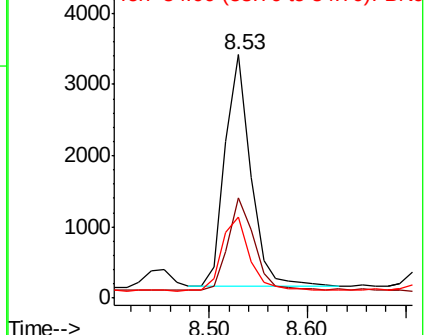
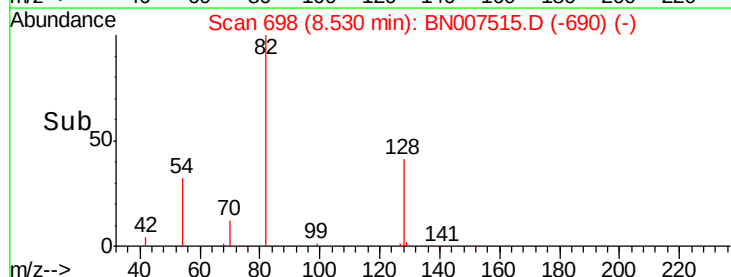
54 33.3 25.8 38.6

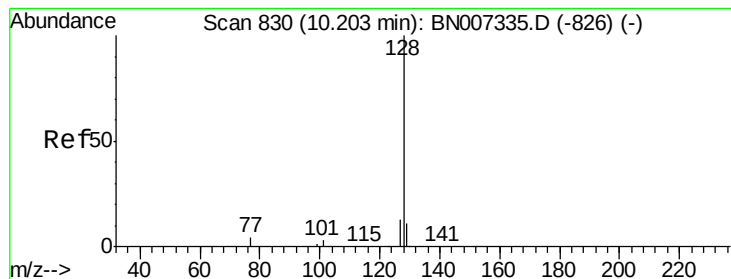


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.318 ng

RT: 10.20 min Scan# 830

Delta R.T. 0.00 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

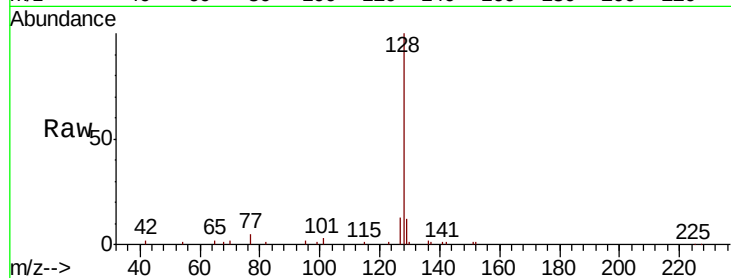
Tot Ion:128 Resp: 20748

Ion Ratio Lower Upper

128 100

129 11.8 11.1 16.7

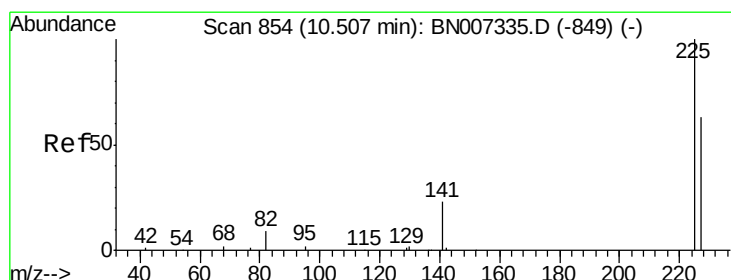
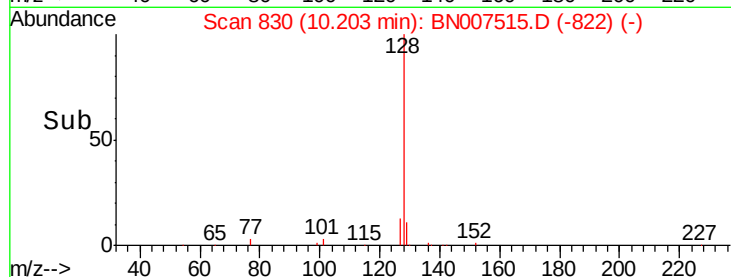
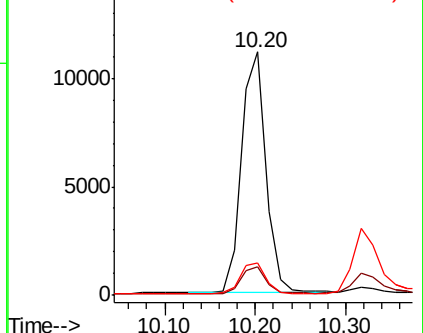
127 13.4 15.5 23.3#



Abundance Ion 128.00 (127.70 to 128.70): E

15000 Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.267 ng

RT: 10.51 min Scan# 854

Delta R.T. 0.00 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

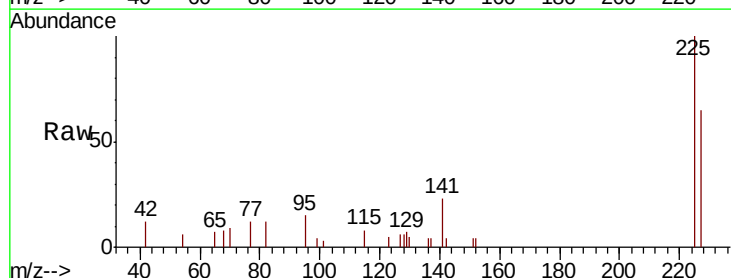
Tgt Ion:225 Resp: 3571

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

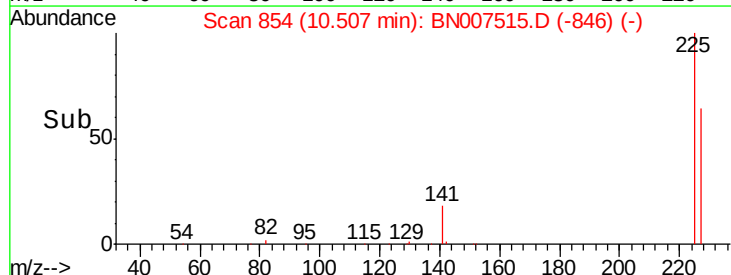
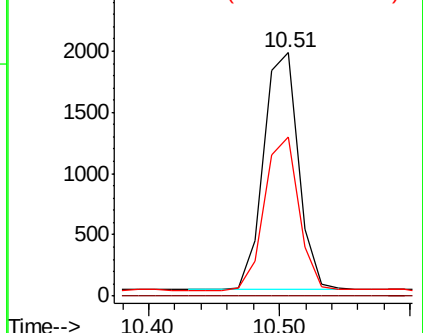
227 63.8 50.7 76.1

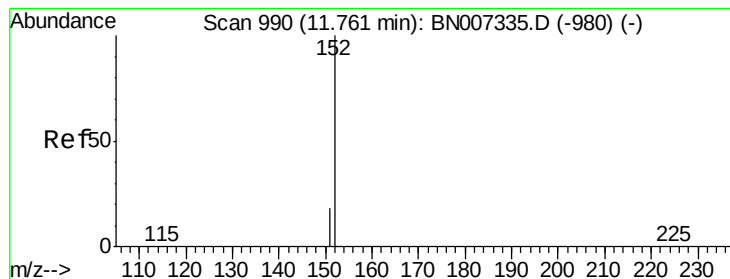


Abundance Ion 225.00 (224.70 to 225.70): E

2500 Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.342 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

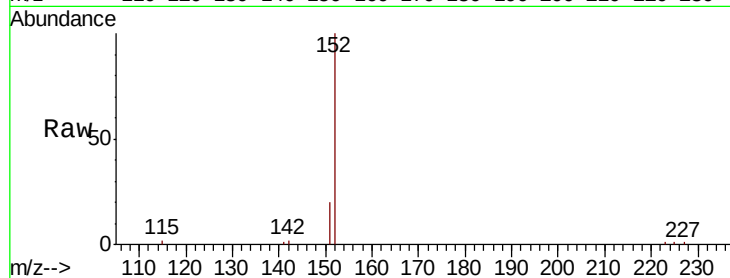
TT-013-IDWSO-20190823MS

Tot Ion:152 Resp: 12950

Ion Ratio Lower Upper

152 100

151 17.9 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

8000

6000

4000

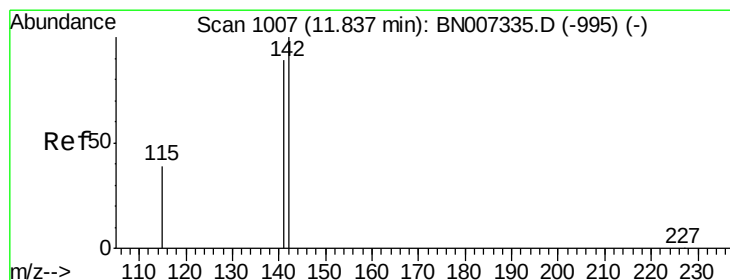
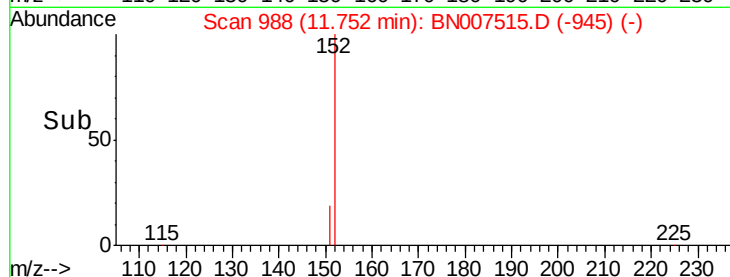
2000

0

11.75

11.70 11.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.347 ng

RT: 11.83 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

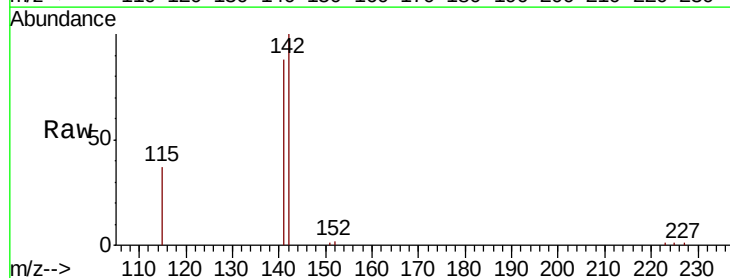
Tgt Ion:142 Resp: 15414

Ion Ratio Lower Upper

142 100

141 88.4 72.8 109.2

115 37.0 35.2 52.8



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

12000

10000

8000

6000

4000

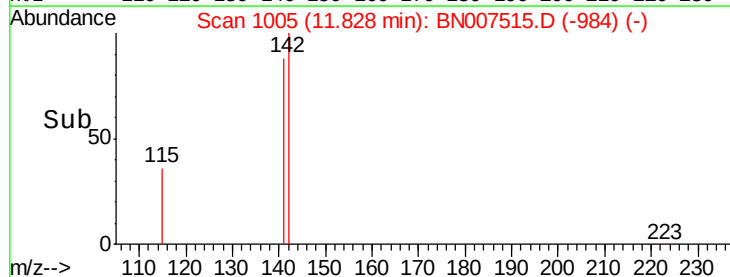
2000

0

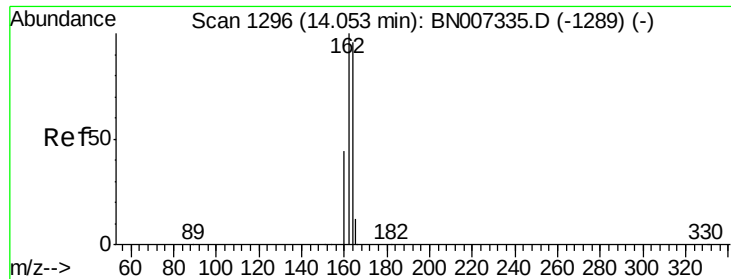
11.83

11.80 11.90

Time-->







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

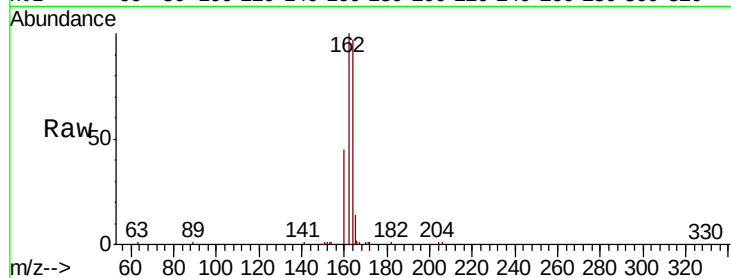
Tot Ion:164 Resp: 14983

Ion Ratio Lower Upper

164 100

162 103.2 83.5 125.3

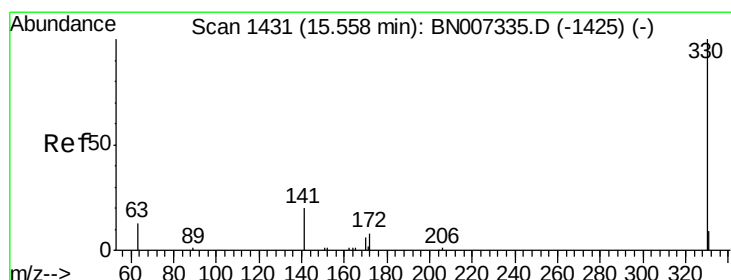
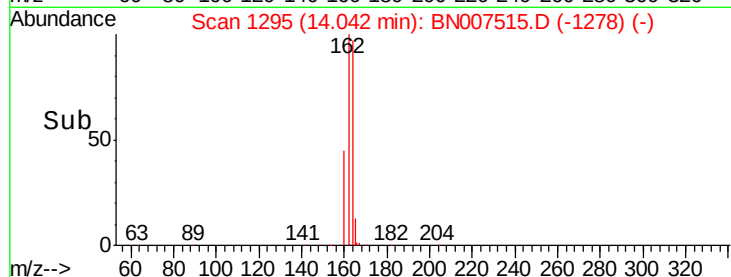
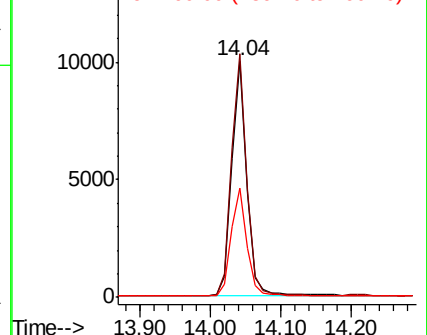
160 46.4 38.2 57.4



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: 0.700 ng

RT: 15.55 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

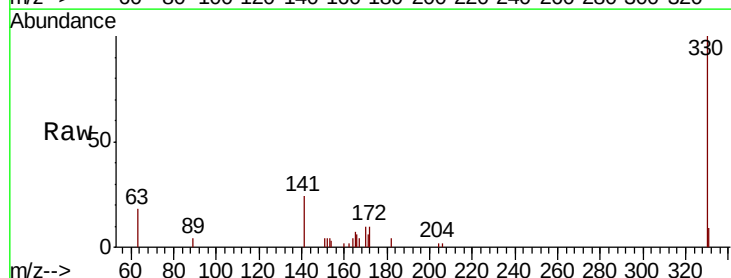
Tgt Ion:330 Resp: 5487

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

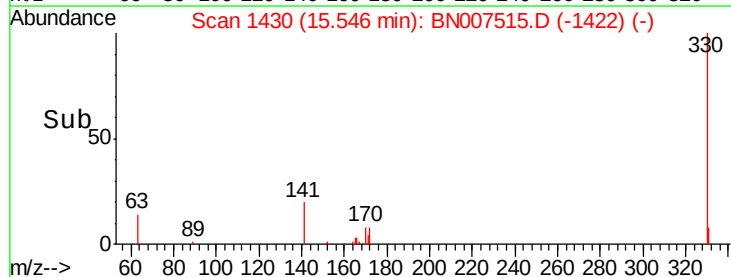
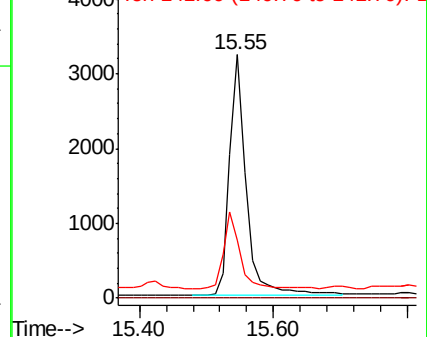
141 32.2 26.9 40.3

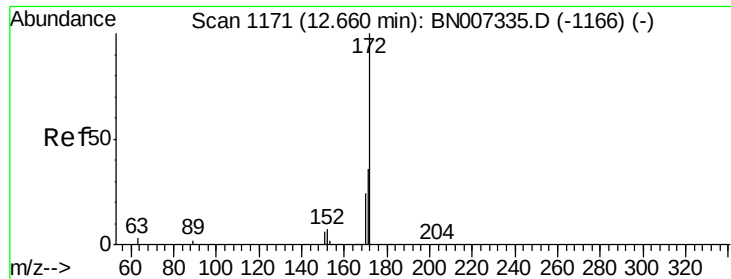


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

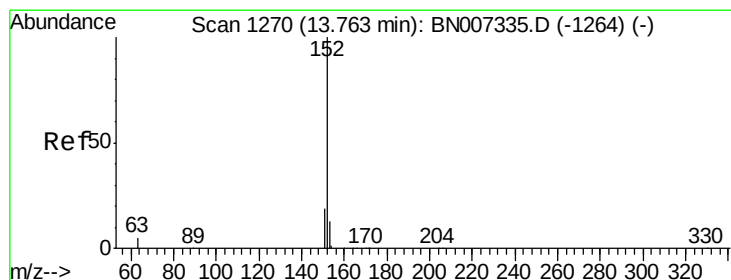
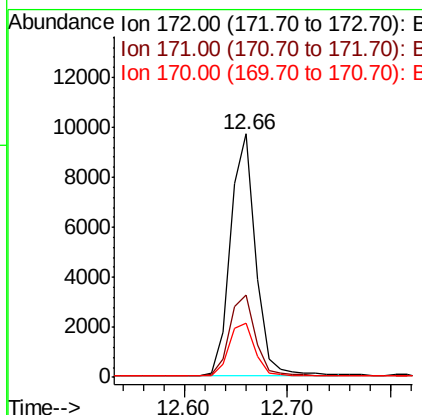
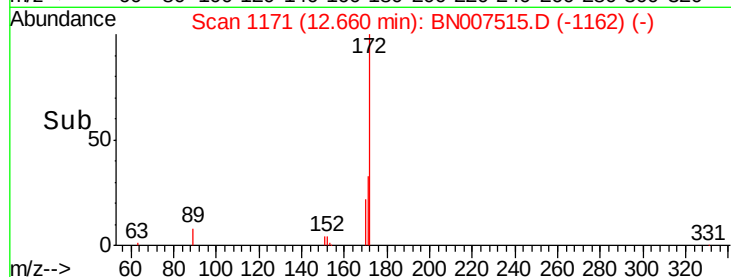
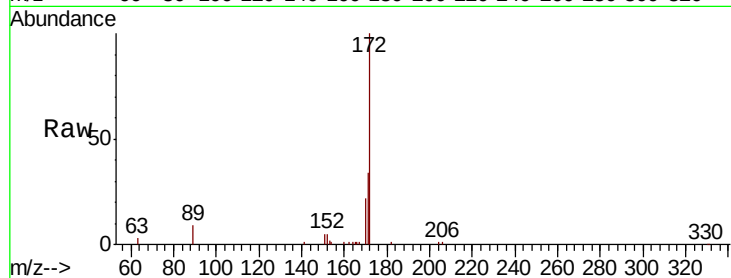




#15  
2-Fluorobiphenyl  
Concen: 0.272 ng  
RT: 12.66 min Scan# 1171  
Delta R.T. 0.00 min  
Lab File: BN007515.D  
Acq: 29 Aug 2019 22:53

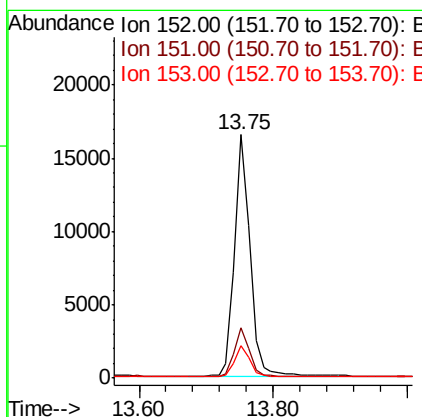
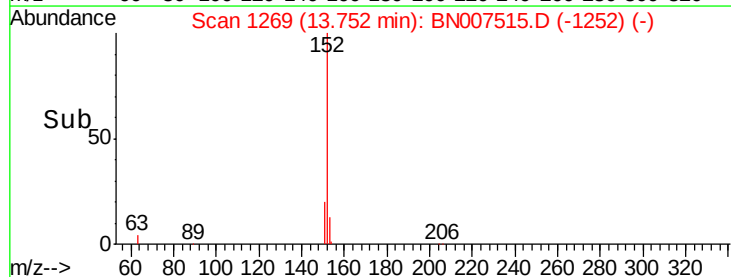
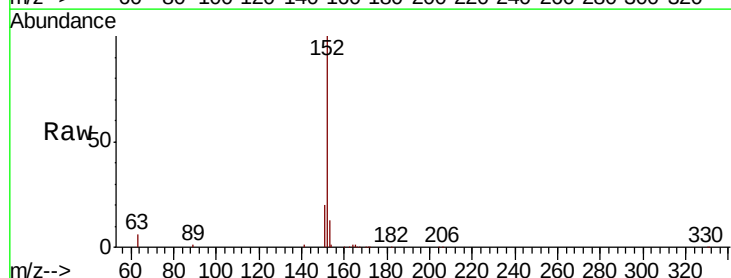
Instrument :  
BNA\_N  
ClientSampleId :  
TT-013-IDWSO-20190823MS

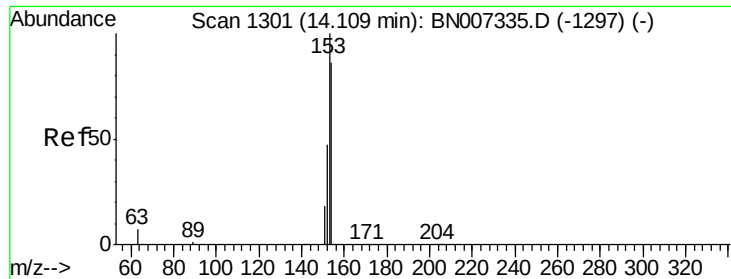
Tot Ion:172 Resp: 16432  
Ion Ratio Lower Upper  
172 100  
171 34.0 30.3 45.5  
170 22.1 20.7 31.1



#16  
Acenaphthylene  
Concen: 0.296 ng  
RT: 13.75 min Scan# 1269  
Delta R.T. -0.01 min  
Lab File: BN007515.D  
Acq: 29 Aug 2019 22:53

Tgt Ion:152 Resp: 26275  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.1 24.1  
153 12.9 10.6 15.8





#17

Acenaphthene

Concen: 0.311 ng

RT: 14.11 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

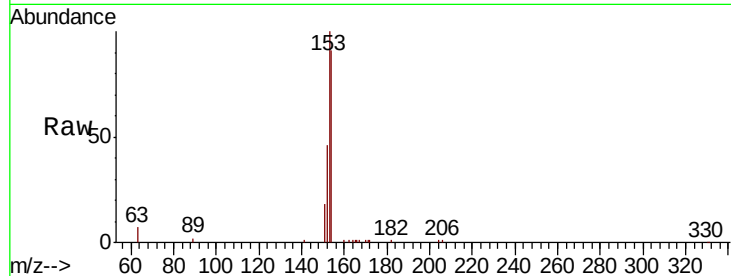
Tot Ion:154 Resp: 16154

Ion Ratio Lower Upper

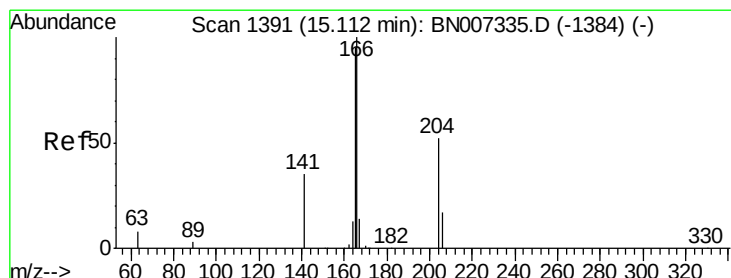
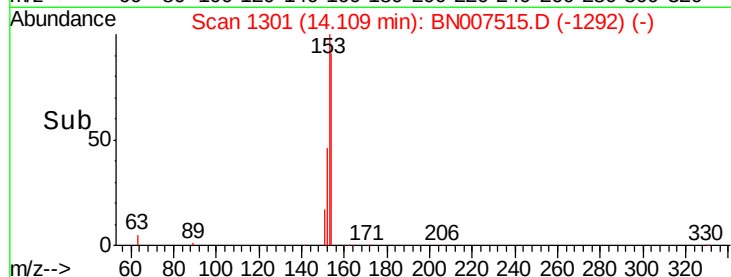
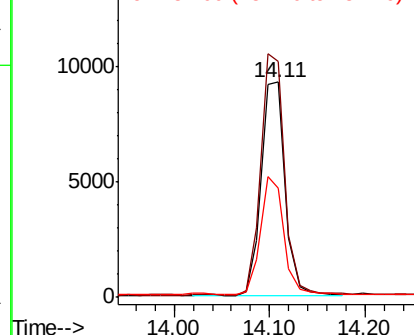
154 100

153 113.1 92.8 139.2

152 54.1 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: 0.336 ng

RT: 15.10 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

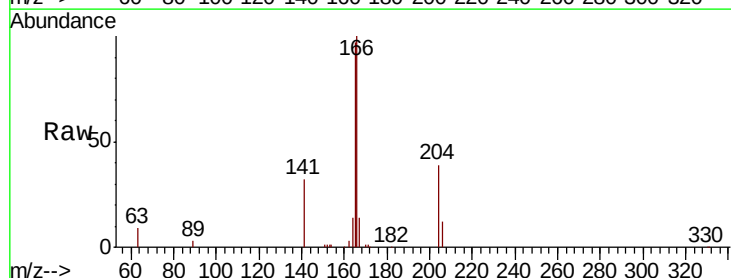
Tgt Ion:166 Resp: 22037

Ion Ratio Lower Upper

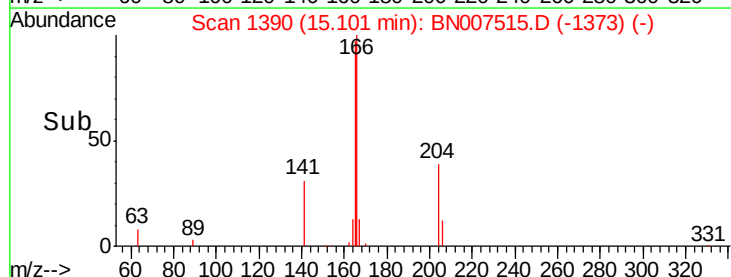
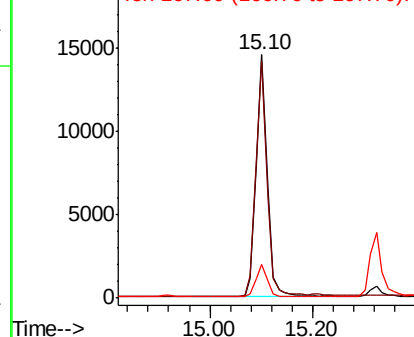
166 100

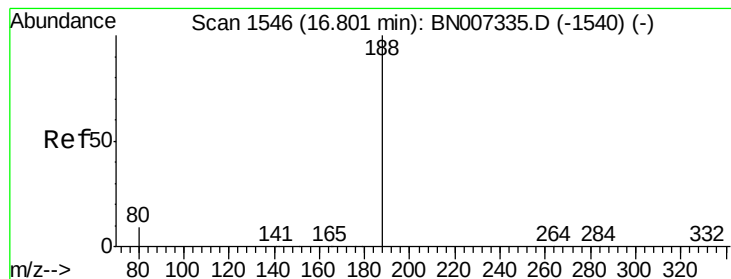
165 97.7 79.0 118.4

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# 1545

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

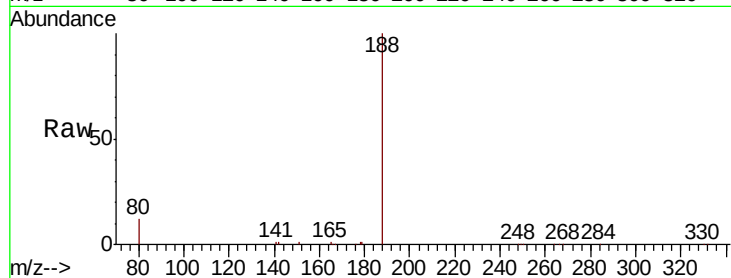
Tot Ion:188 Resp: 38357

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

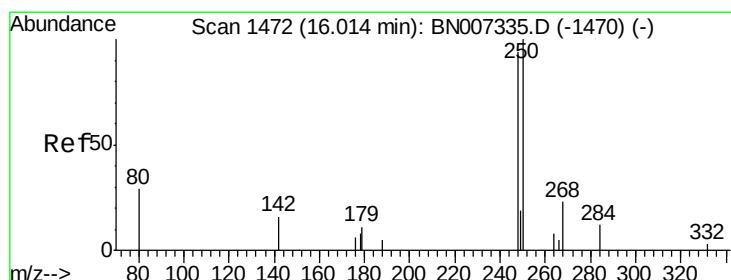
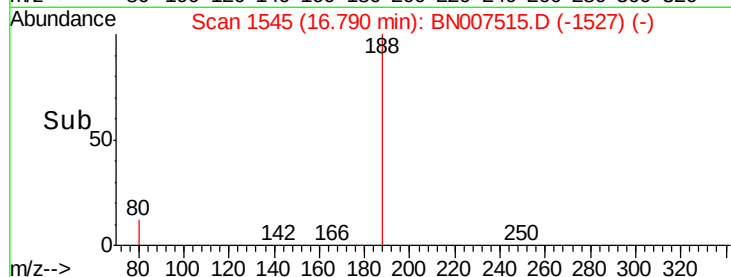
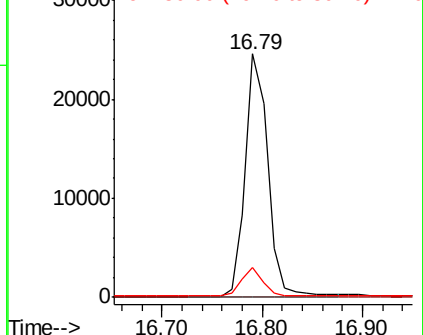
80 12.2 11.8 17.8



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: 0.111 ng

RT: 16.01 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

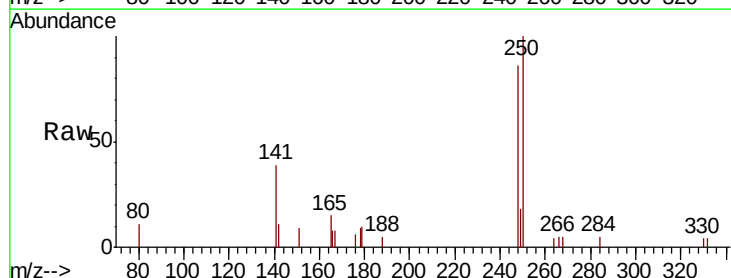
Tgt Ion:248 Resp: 1676

Ion Ratio Lower Upper

248 100

250 116.1 85.0 127.6

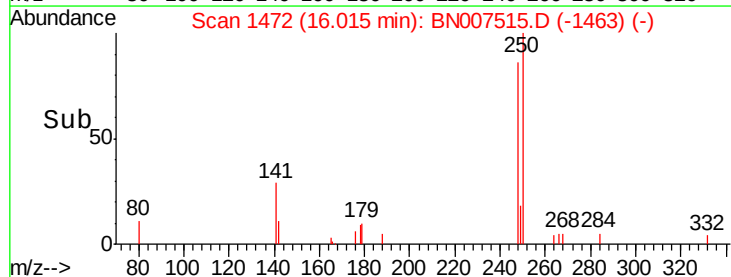
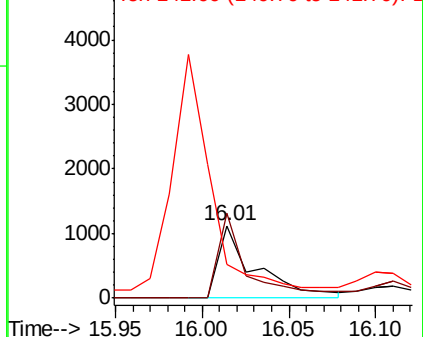
141 45.6 51.7 77.5#

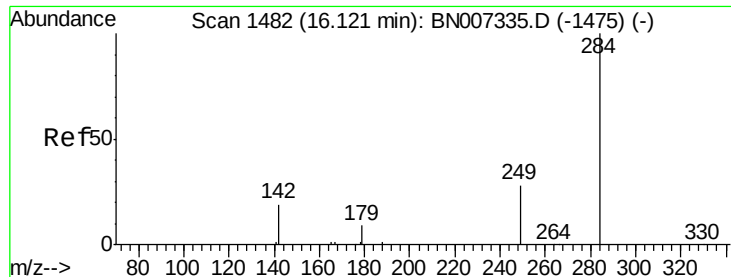


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

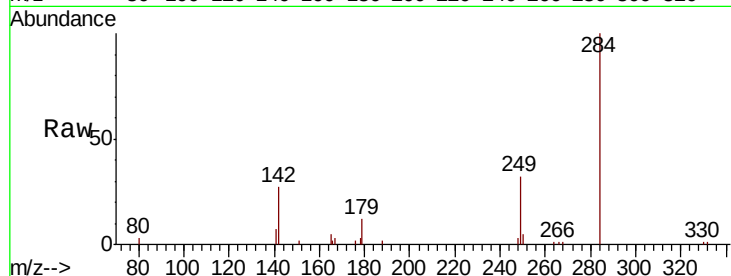




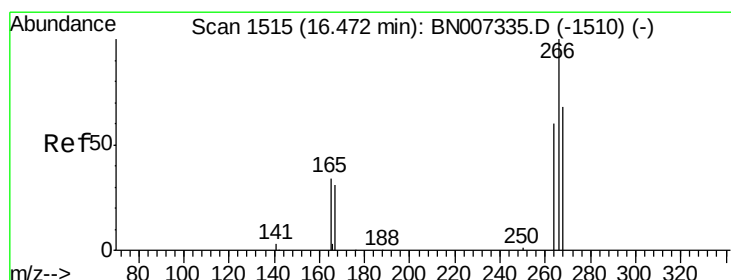
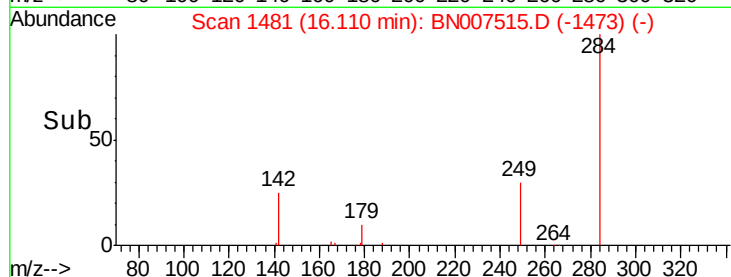
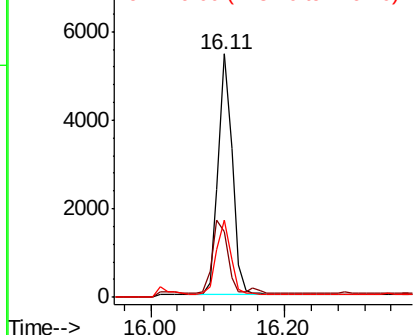
#21  
Hexachlorobenzene  
Concen: 0.305 ng  
RT: 16.11 min Scan# 1481  
Delta R.T. -0.01 min  
Lab File: BN007515.D  
Acq: 29 Aug 2019 22:53

Instrument :  
BNA\_N  
ClientSampleId :  
TT-013-IDWSO-20190823MS

Tot Ion:284 Resp: 7850  
Ion Ratio Lower Upper  
284 100  
142 32.7 29.0 43.6  
249 30.6 24.9 37.3

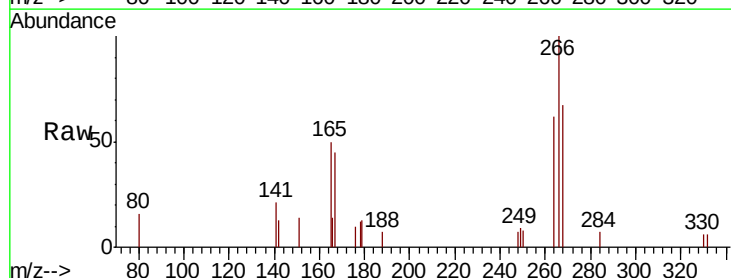


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

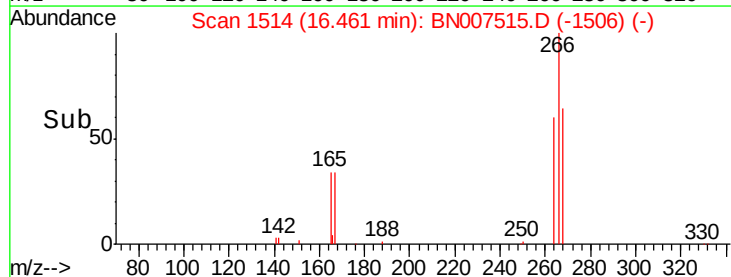
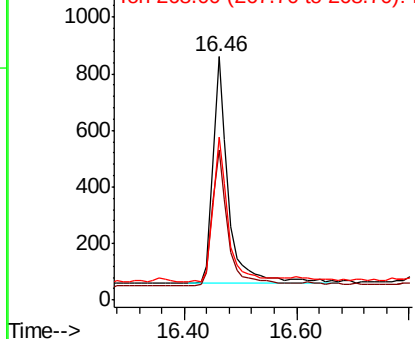


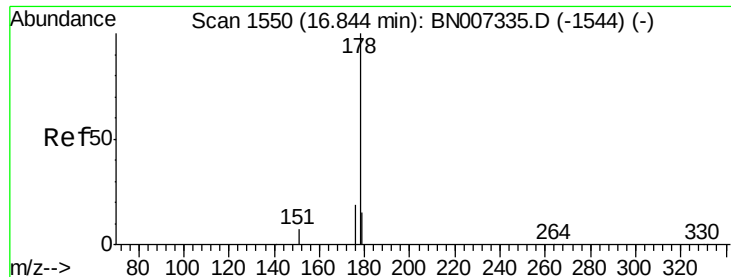
#22  
Pentachlorophenol  
Concen: 0.195 ng  
RT: 16.46 min Scan# 1514  
Delta R.T. -0.01 min  
Lab File: BN007515.D  
Acq: 29 Aug 2019 22:53

Tgt Ion:266 Resp: 1558  
Ion Ratio Lower Upper  
266 100  
264 61.7 57.8 86.8  
268 67.1 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: 0.344 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

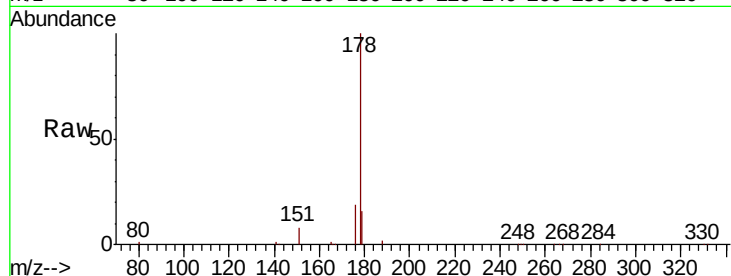
Tot Ion:178 Resp: 39733

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

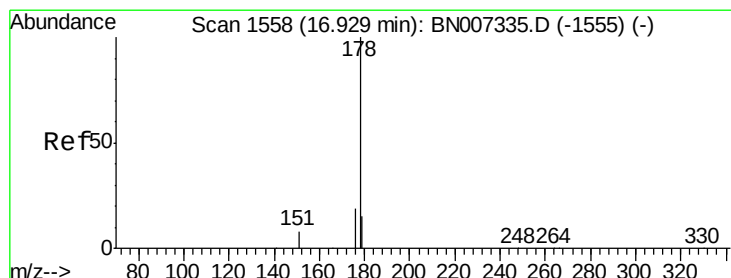
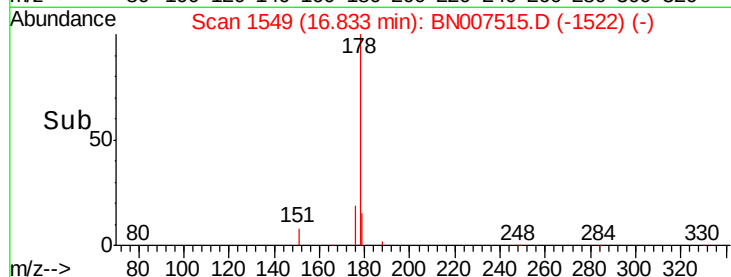
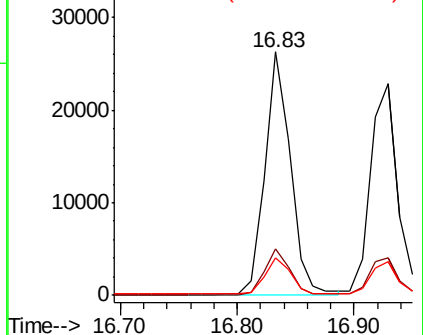
179 15.6 12.6 19.0



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: 0.319 ng

RT: 16.93 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

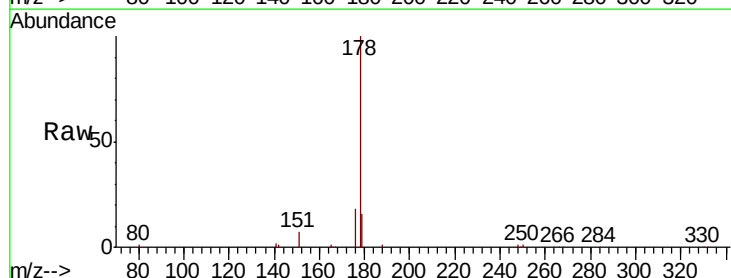
Tgt Ion:178 Resp: 36985

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

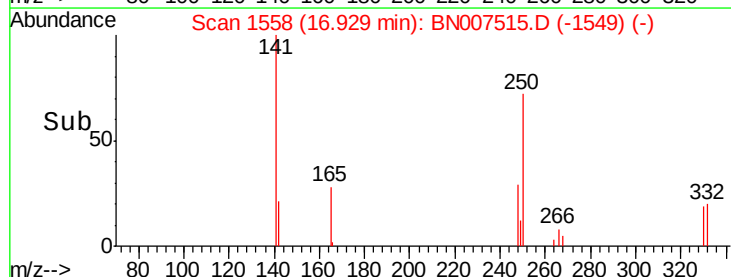
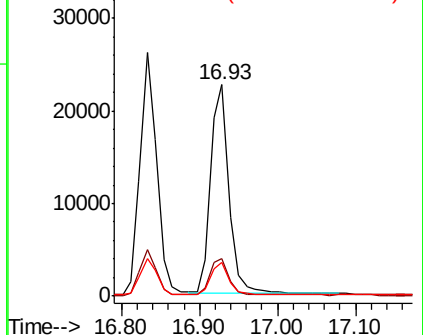
179 15.6 12.4 18.6

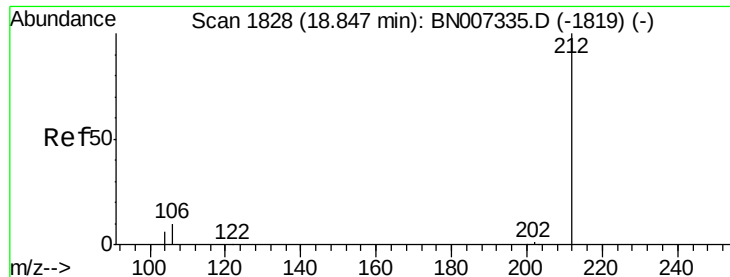


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.261 ng

RT: 18.84 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

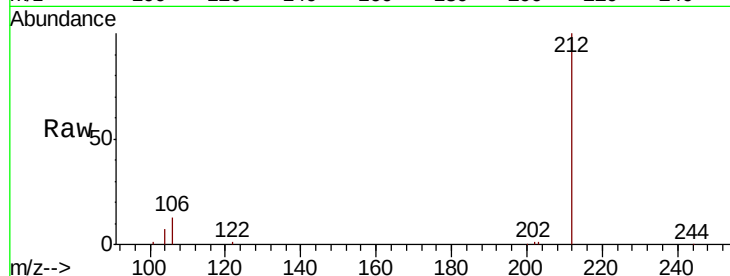
Tot Ion:212 Resp: 32265

Ion Ratio Lower Upper

212 100

106 12.7 9.0 13.4

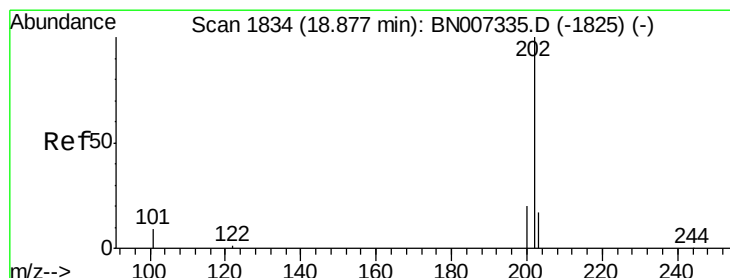
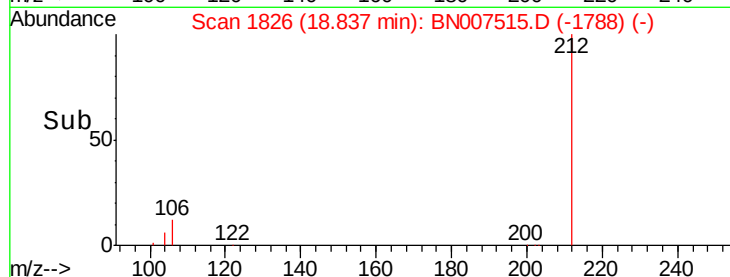
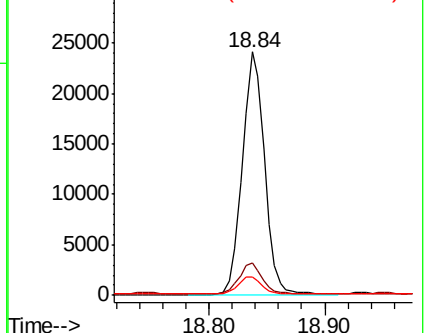
104 7.2 5.4 8.2



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: 0.342 ng

RT: 18.87 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

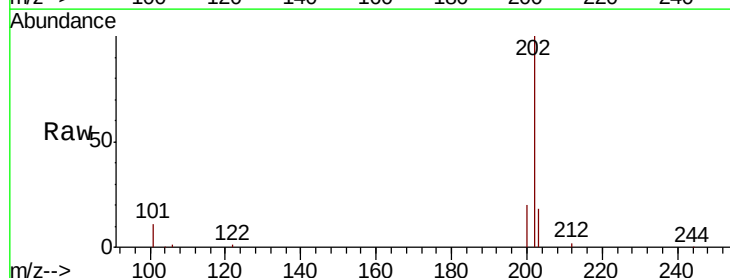
Tgt Ion:202 Resp: 50734

Ion Ratio Lower Upper

202 100

101 10.7 7.7 11.5

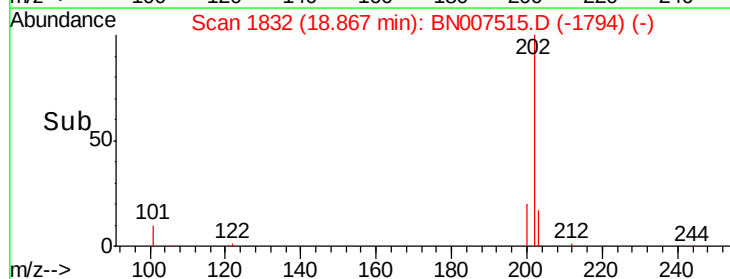
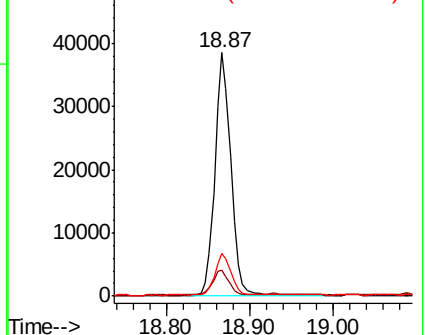
203 17.1 13.7 20.5

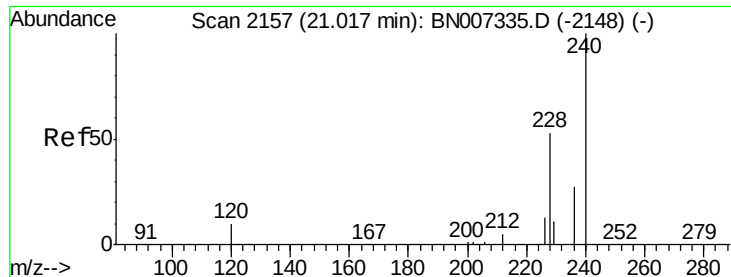


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

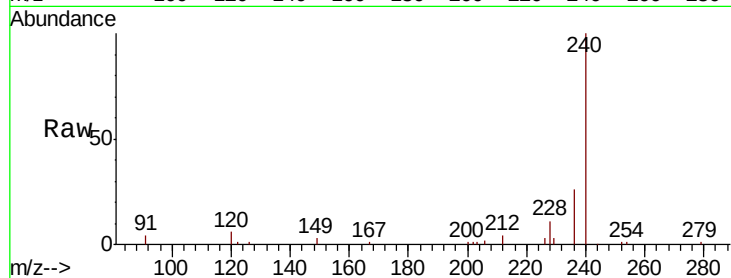




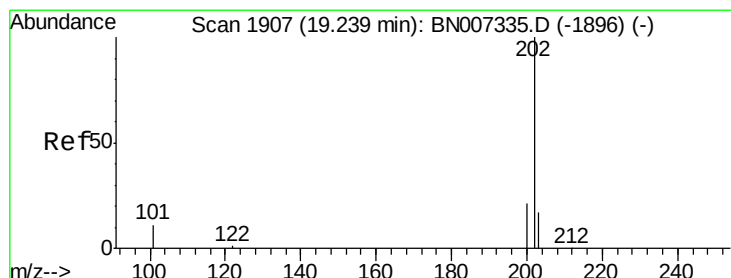
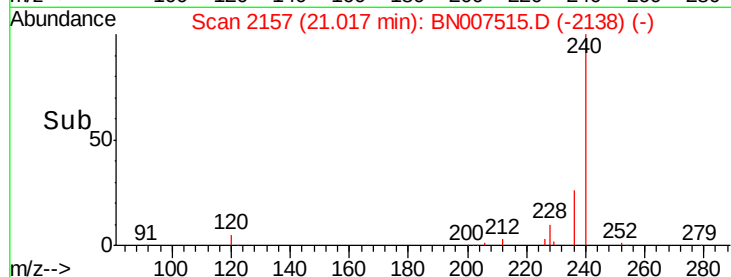
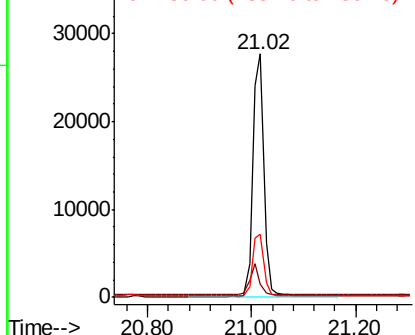
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.02 min Scan# 2157  
Delta R.T. 0.00 min  
Lab File: BN007515.D  
Acq: 29 Aug 2019 22:53

Instrument :  
BNA\_N  
ClientSampleId :  
TT-013-IDWSO-20190823MS

Tot Ion:240 Resp: 40882  
Ion Ratio Lower Upper  
240 100  
120 5.6 9.6 14.4#  
236 25.9 22.2 33.2

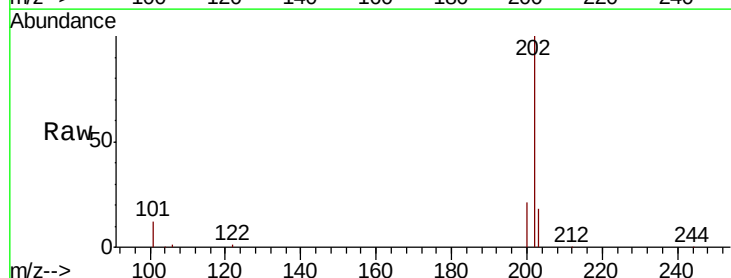


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

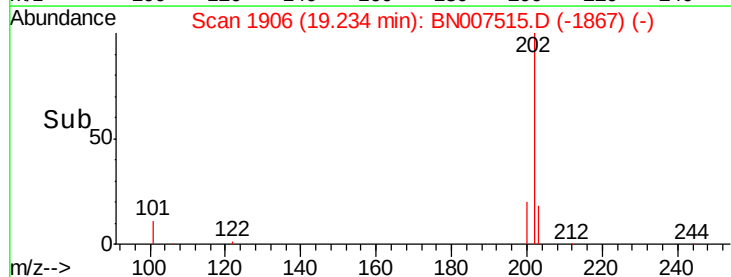
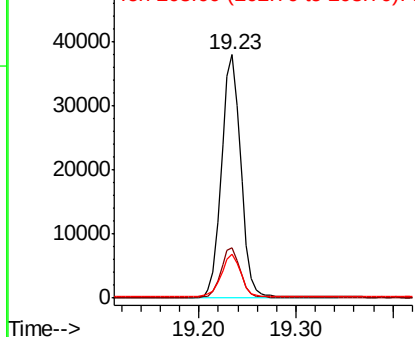


#28  
Pyrene  
Concen: 0.319 ng  
RT: 19.23 min Scan# 1906  
Delta R.T. -0.00 min  
Lab File: BN007515.D  
Acq: 29 Aug 2019 22:53

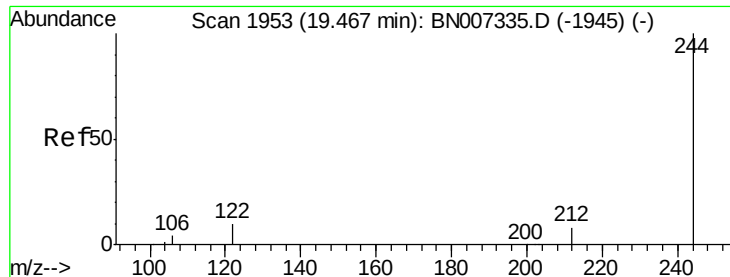
Tgt Ion:202 Resp: 52476  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.6 25.0  
203 18.2 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.453 ng

RT: 19.46 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

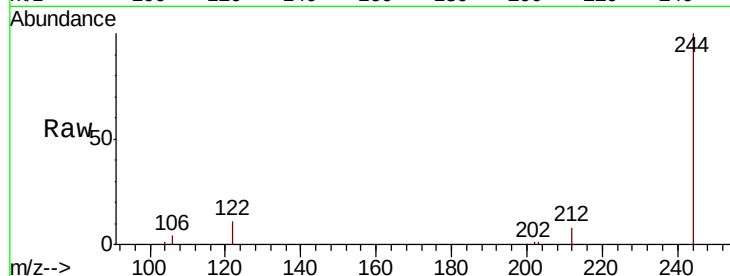
Tot Ion:244 Resp: 48440

Ion Ratio Lower Upper

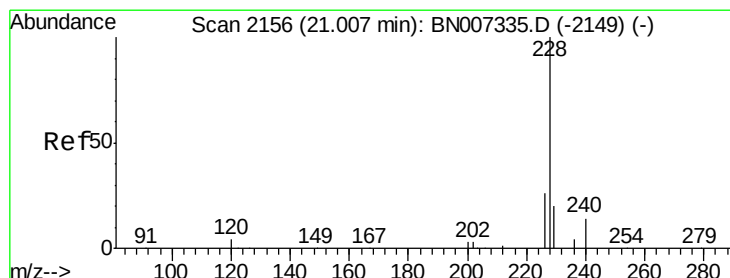
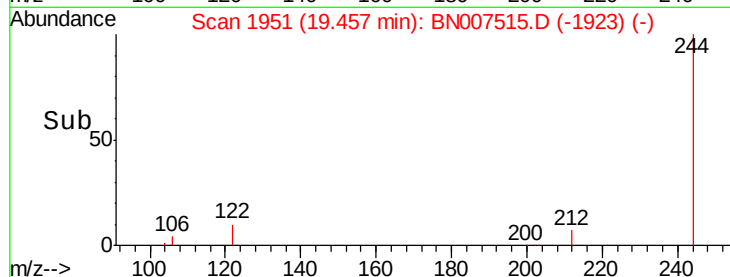
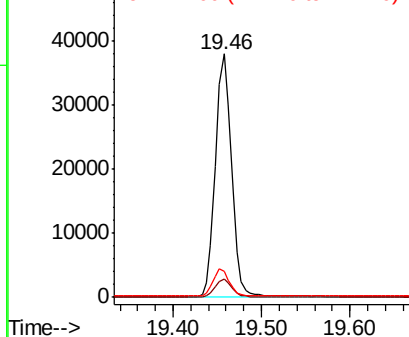
244 100

212 7.5 7.0 10.6

122 10.8 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: 0.316 ng

RT: 21.00 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

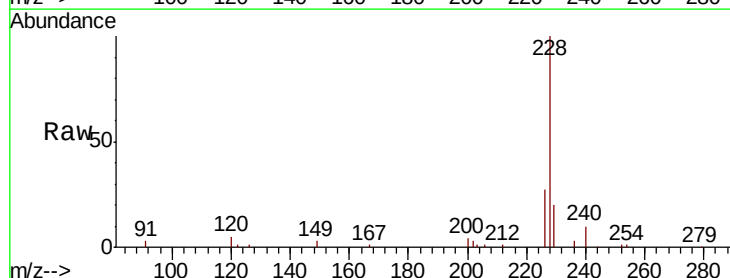
Tgt Ion:228 Resp: 50811

Ion Ratio Lower Upper

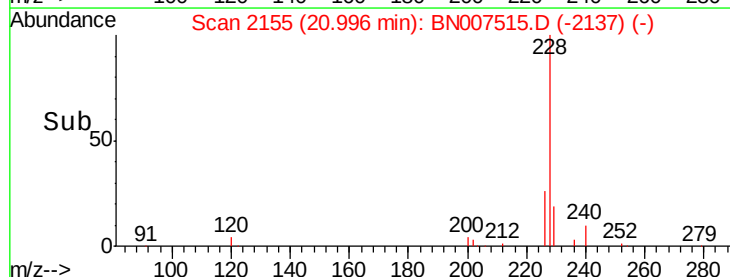
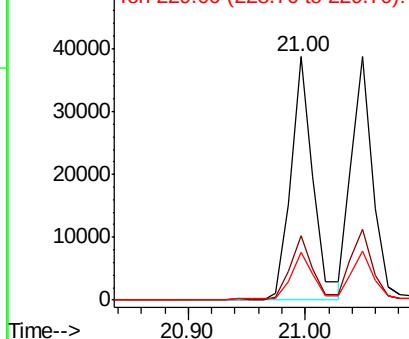
228 100

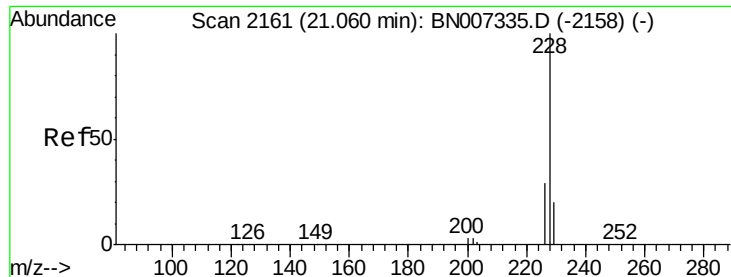
226 26.5 21.3 31.9

229 19.6 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: 0.312 ng

RT: 21.05 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

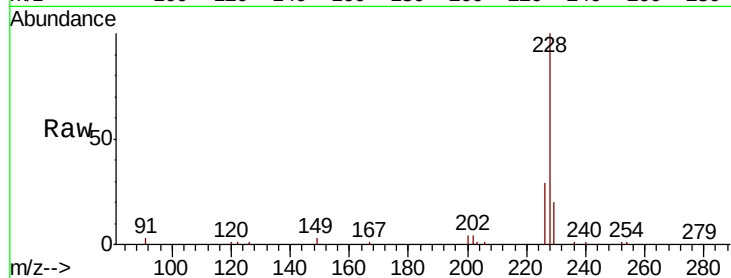
BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

Tot Ion:228 Resp: 48421

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.1  | 23.5  | 35.3  |
| 229 | 19.9  | 16.6  | 24.8  |

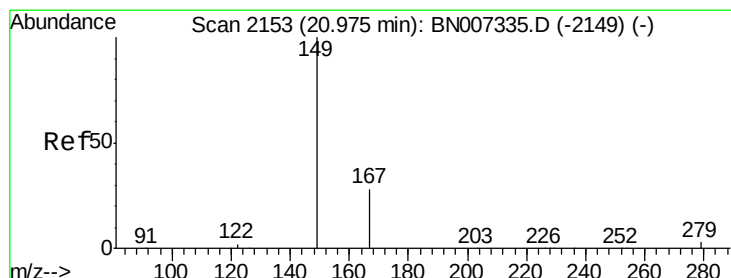
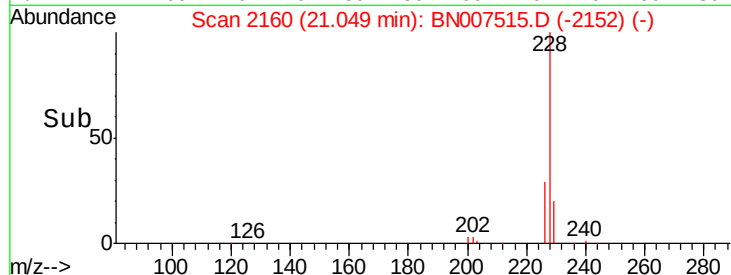
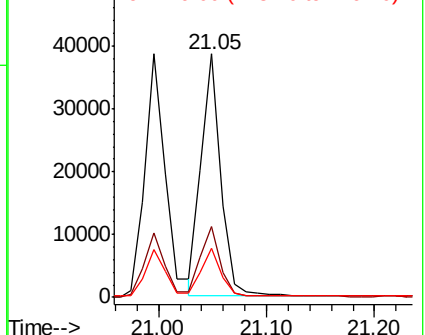


Abundance

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: 0.369 ng

RT: 20.96 min Scan# 2152

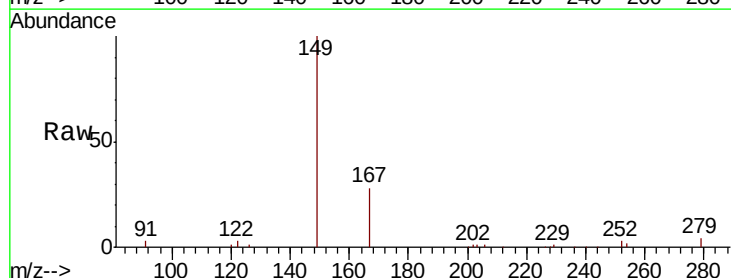
Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Tgt Ion:149 Resp: 40325

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.2  | 22.8  | 34.2  |
| 279 | 4.1   | 3.5   | 5.3   |

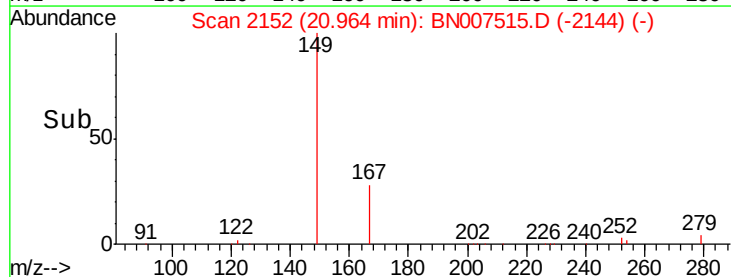
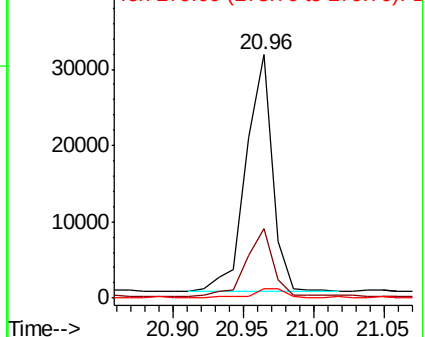


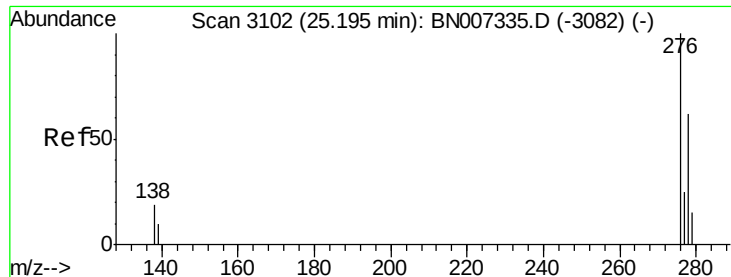
Abundance

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

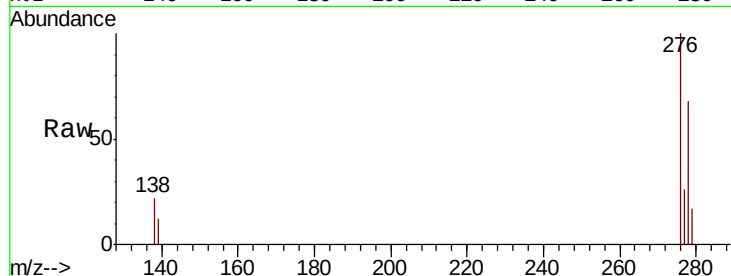




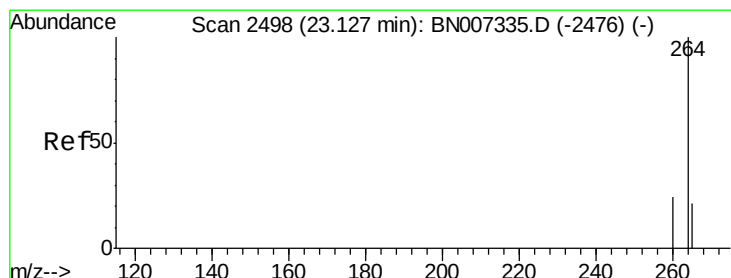
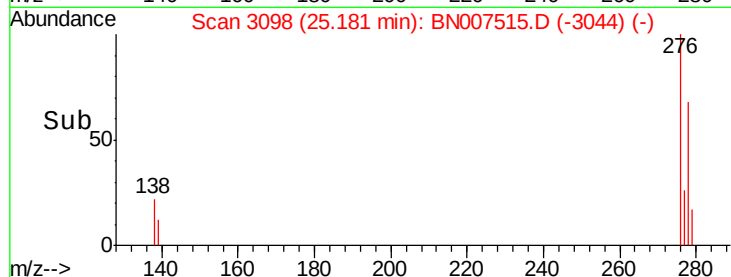
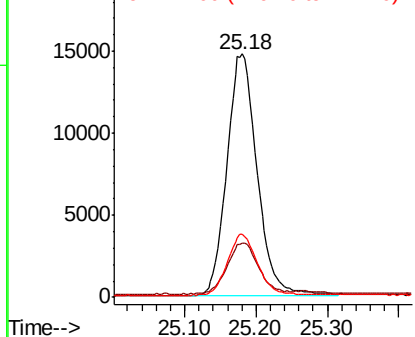
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.234 ng  
 RT: 25.18 min Scan# 3098  
 Delta R.T. -0.01 min  
 Lab File: BN007515.D  
 Acq: 29 Aug 2019 22:53

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT-013-IDWSO-20190823MS

Tot Ion:276 Resp: 43592  
 Ion Ratio Lower Upper  
 276 100  
 138 20.8 15.1 22.7  
 277 24.6 19.7 29.5

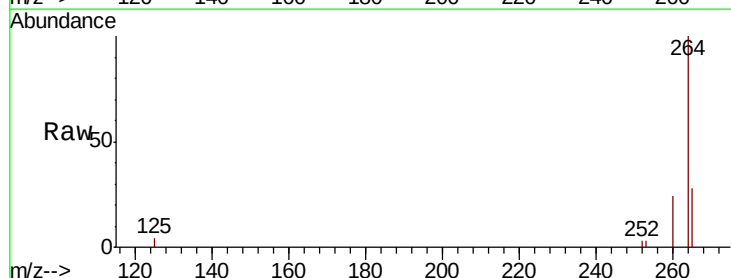


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

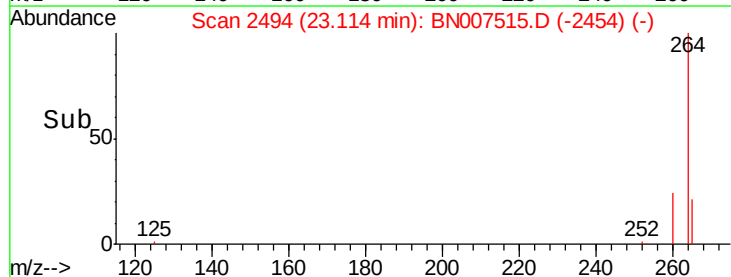
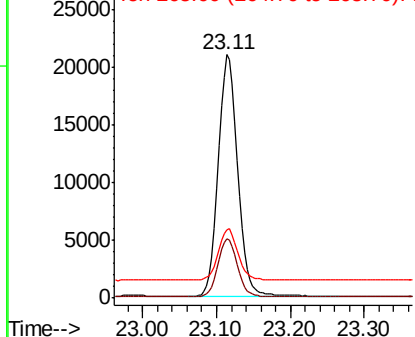


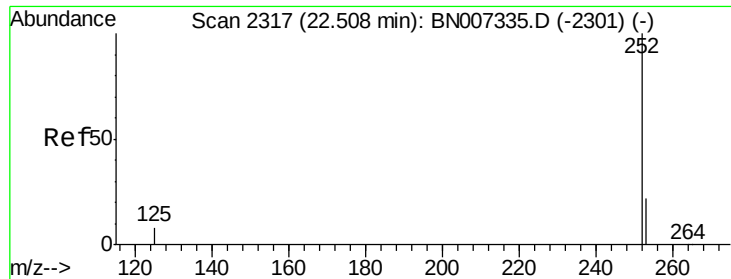
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.11 min Scan# 2494  
 Delta R.T. -0.01 min  
 Lab File: BN007515.D  
 Acq: 29 Aug 2019 22:53

Tgt Ion:264 Resp: 38015  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 19.7 29.5  
 265 28.3 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: 0.334 ng

RT: 22.50 min Scan# 2314

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

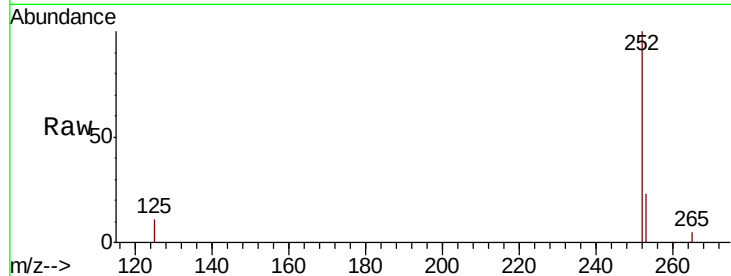
Tot Ion:252 Resp: 46054

Ion Ratio Lower Upper

252 100

253 23.4 19.2 28.8

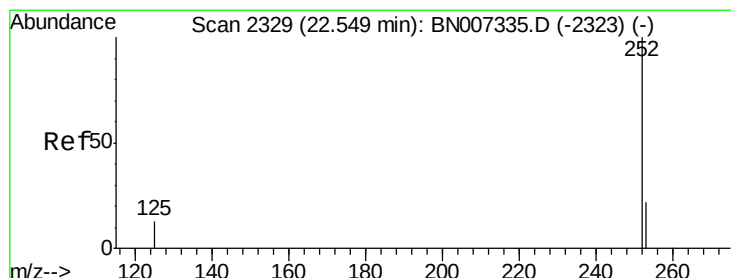
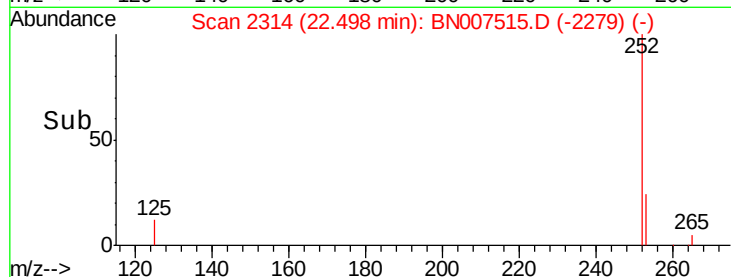
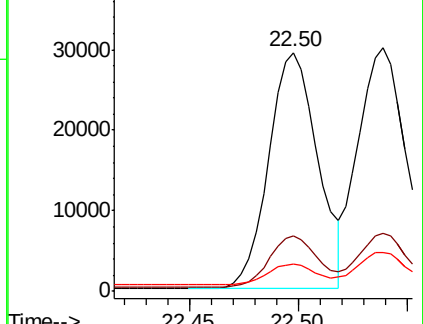
125 11.5 10.6 16.0



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: 0.349 ng

RT: 22.54 min Scan# 2326

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

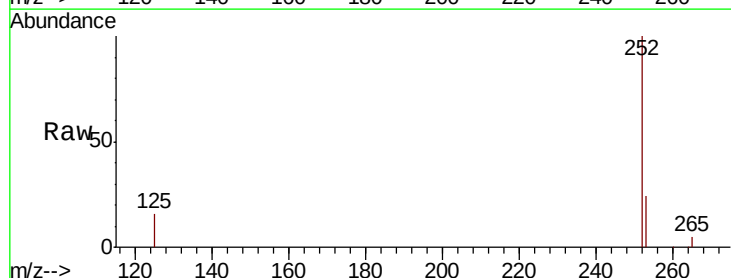
Tgt Ion:252 Resp: 47577

Ion Ratio Lower Upper

252 100

253 23.8 19.4 29.2

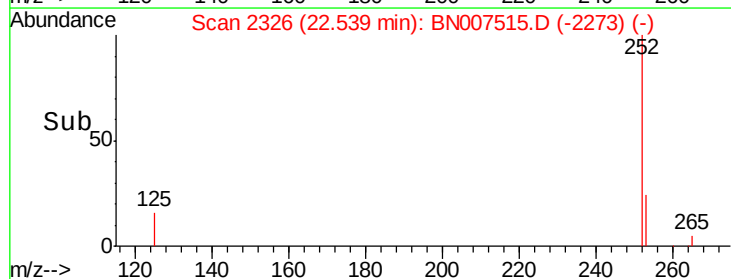
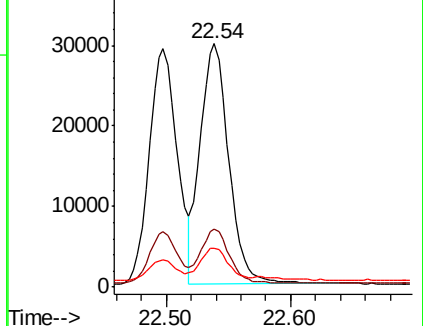
125 16.1 13.1 19.7

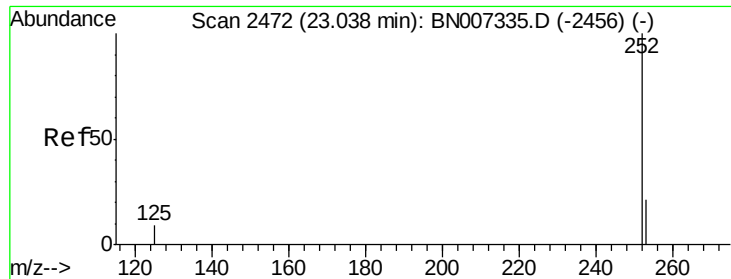


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.323 ng

RT: 23.02 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS

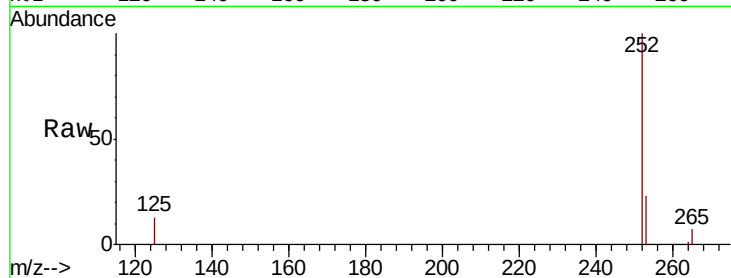
Tot Ion:252 Resp: 42293

Ion Ratio Lower Upper

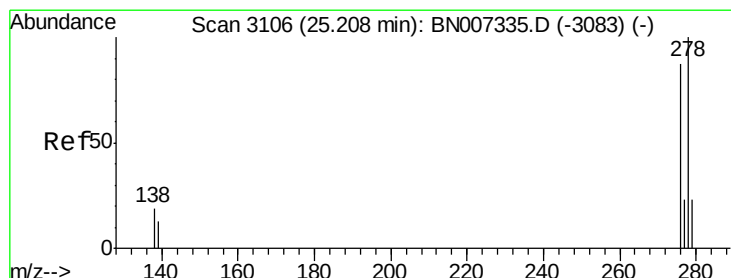
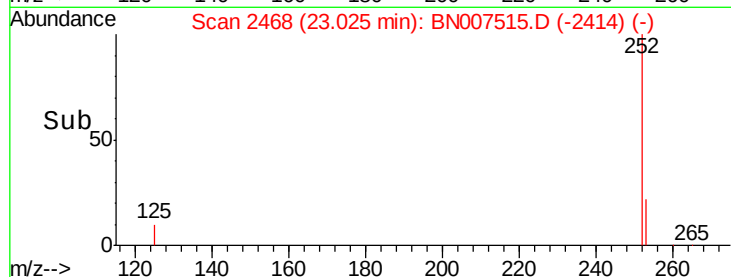
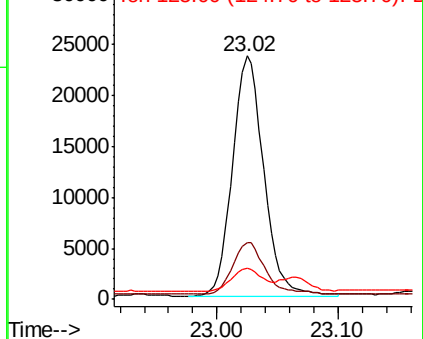
252 100

253 23.4 19.5 29.3

125 13.0 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: 0.274 ng

RT: 25.19 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BN007515.D

Acq: 29 Aug 2019 22:53

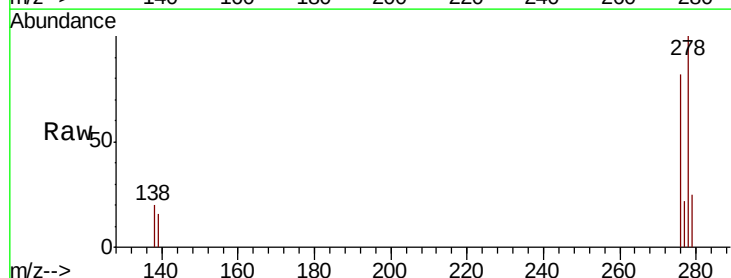
Tgt Ion:278 Resp: 35819

Ion Ratio Lower Upper

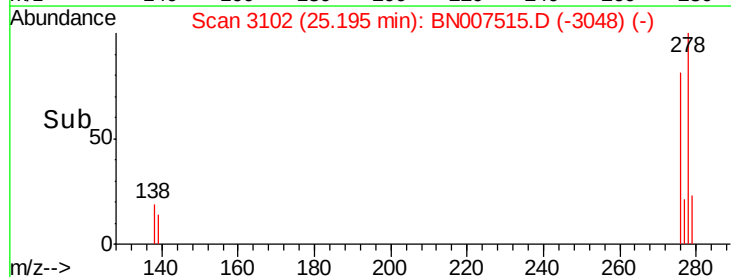
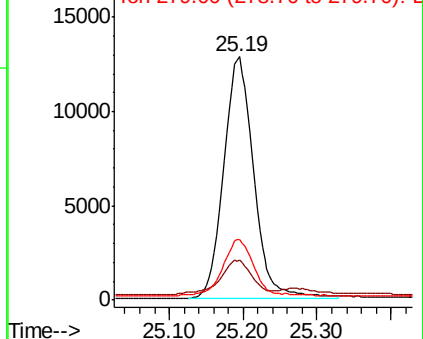
278 100

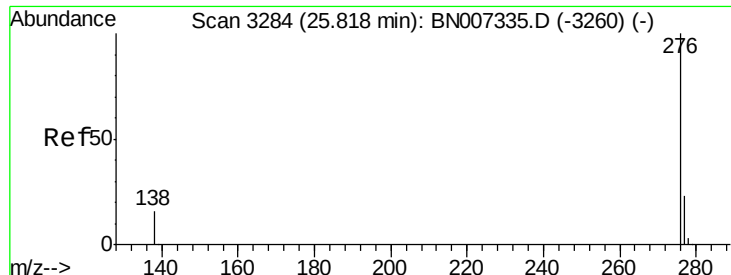
139 16.3 13.7 20.5

279 24.8 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: 0.276 ng

RT: 25.80 min Scan# 3279

Delta R.T. -0.02 min

Lab File: BN007515.D

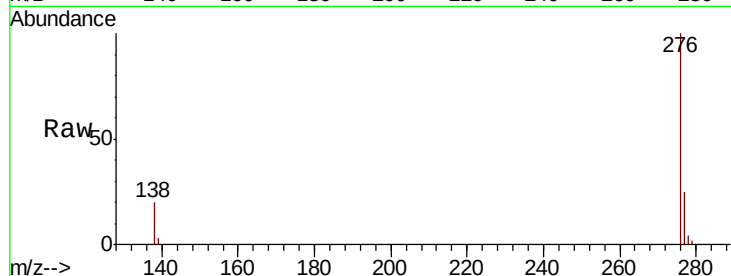
Acq: 29 Aug 2019 22:53

Instrument :

BNA\_N

ClientSampleId :

TT-013-IDWSO-20190823MS



Tot Ion: 276 Resp: 35929

Ion Ratio Lower Upper

276 100

277 24.6 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

