

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN122818\  
 Data File : BN004270.D  
 Acq On : 28 Dec 2018 19:41  
 Operator : JU/SJ  
 Sample : J6541-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F9F67

Quant Time: Dec 28 22:20:23 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN122818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 28 22:16:51 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 2286     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.61 | 136  | 10122    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.46 | 164  | 5966     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.31 | 188  | 928552   | 0.40 | ng/ul | 0.08     |
| 16) Chrysene-d12          | 0.00  | 240  | 0        | 0.00 | ng/ul | -21.40   |
| 20) Perylene-d12          | 23.57 | 264  | 1125424  | 0.40 | ng/ul | -0.16    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.21 | 152  | 4336     | 0.28 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00 | ng/ul |          |

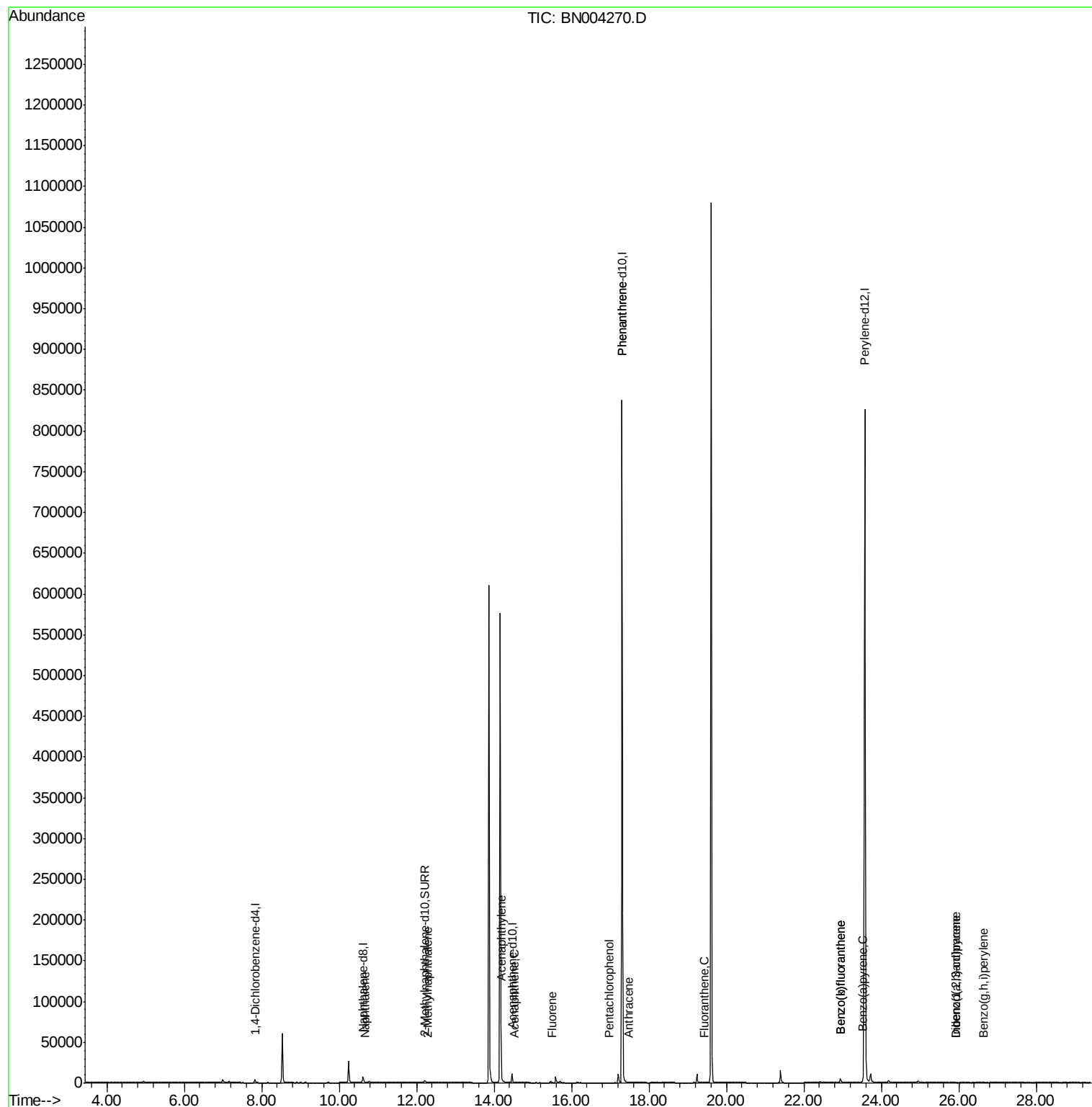
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.67 | 128  | 650      | 0.023 | ng/ul# | 71     |
| 5) 2-Methylnaphthalene     | 12.29 | 142  | 69       | 0.003 | ng/ul# | 67     |
| 7) Acenaphthylene          | 14.19 | 152  | 48       | 0.002 | ng/ul# | 1      |
| 8) Acenaphthene            | 14.53 | 153  | 36       | 0.002 | ng/ul# | 81     |
| 9) Fluorene                | 15.51 | 166  | 69       | 0.003 | ng/ul# | 81     |
| 11) Pentachlorophenol      | 16.97 | 266  | 2        | 0.000 | ng/ul# | 1      |
| 12) Phenanthrene           | 17.31 | 178  | 474      | 0.000 | ng/ul# | 1      |
| 13) Anthracene             | 17.48 | 178  | 7        | 0.000 | ng/ul# | 1      |
| 15) Fluoranthene           | 19.43 | 202  | 9        | 0.000 | ng/ul# | 1      |
| 21) Benzo(b)fluoranthene   | 22.94 | 252  | 145      | 0.000 | ng/ul# | 1      |
| 22) Benzo(k)fluoranthene   | 22.94 | 252  | 145      | 0.000 | ng/ul# | 1      |
| 23) Benzo(a)pyrene         | 23.52 | 252  | 192      | 0.000 | ng/ul# | 1      |
| 24) Indeno(1,2,3-cd)pyrene | 25.92 | 276  | 4        | 0.000 | ng/ul# | 79     |
| 25) Dibenzo(a,h)anthracene | 25.93 | 278  | 9        | 0.000 | ng/ul# | 1      |
| 26) Benzo(g,h,i)perylene   | 26.65 | 276  | 4        | 0.000 | ng/ul# | 1      |

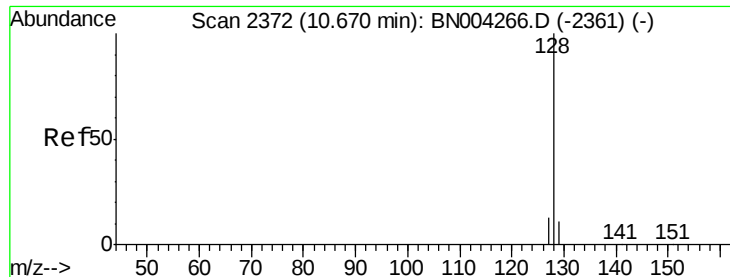
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 28 22:16:51 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.023 ng/ul

RT: 10.67 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

Instrument :

MSVOA\_W

ClientSampleId :

F9F67

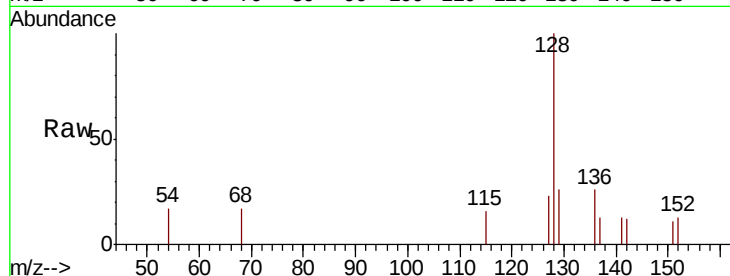
Tgt Ion:128 Resp: 650

Ion Ratio Lower Upper

128 100

129 25.6 9.5 14.3#

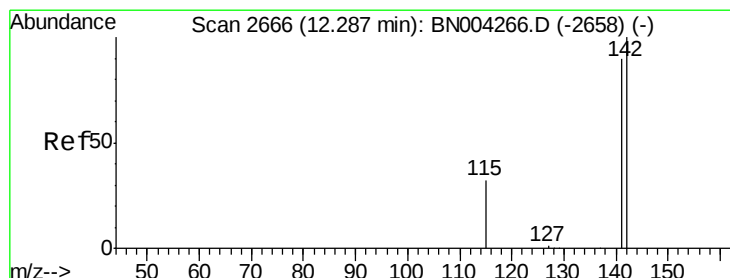
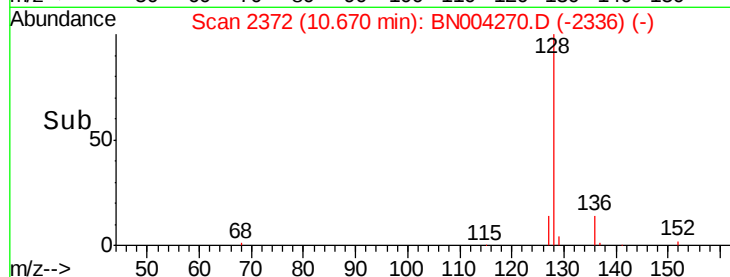
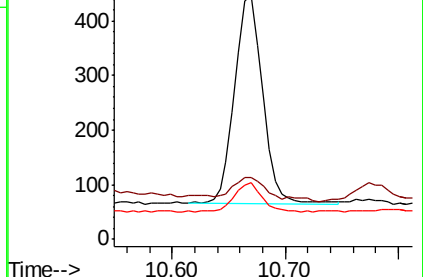
127 23.3 11.0 16.4#



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



#5

2-Methylnaphthalene

Concen: 0.003 ng/ul

RT: 12.29 min Scan# 2666

Delta R.T. -0.00 min

Lab File: BN004270.D

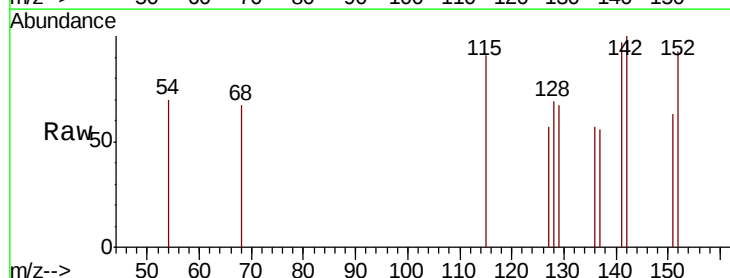
Acq: 28 Dec 2018 19:41

Tgt Ion:142 Resp: 69

Ion Ratio Lower Upper

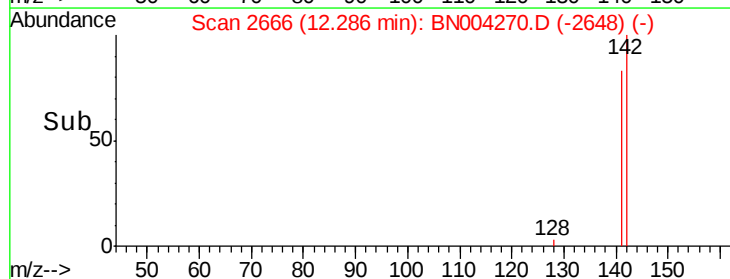
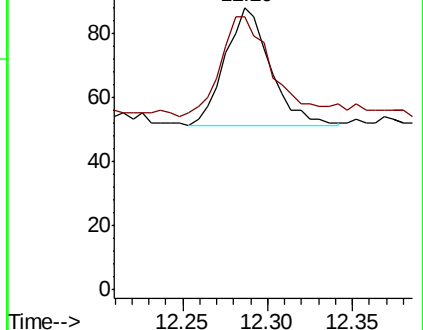
142 100

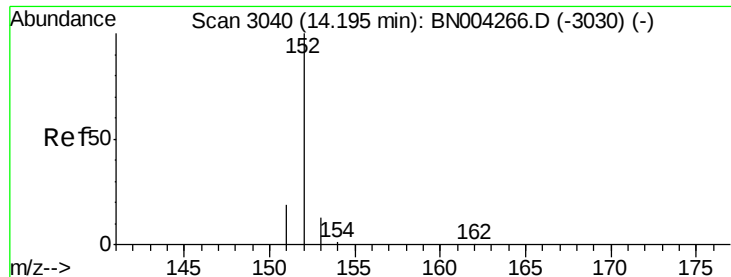
141 120.3 71.4 107.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.002 ng/ul

RT: 14.19 min Scan# 3038

Delta R.T. -0.01 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

Instrument :

MSVOA\_W

ClientSampleId :

F9F67

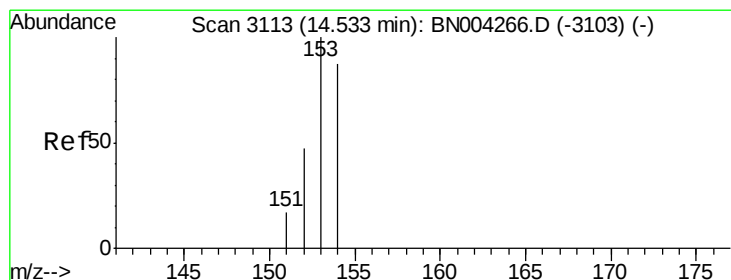
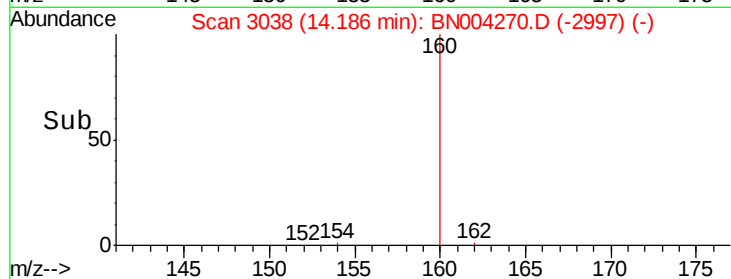
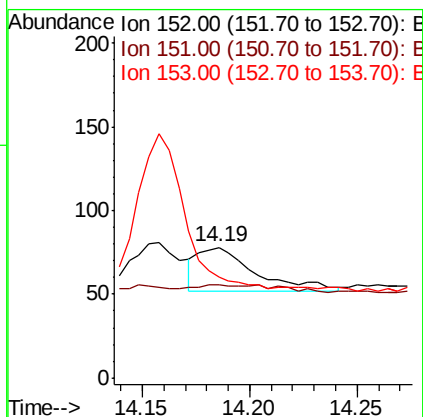
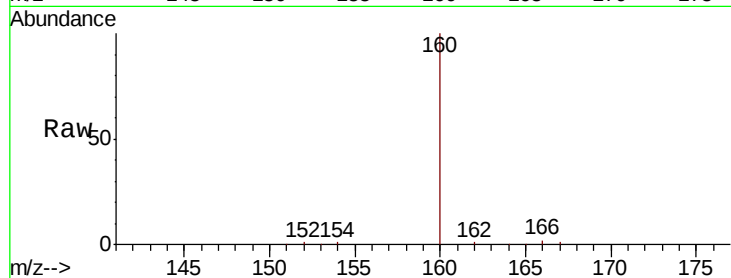
Tgt Ion:152 Resp: 48

Ion Ratio Lower Upper

152 100

151 71.8 16.3 24.5#

153 76.9 11.1 16.7#



#8

Acenaphthene

Concen: 0.002 ng/ul

RT: 14.53 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

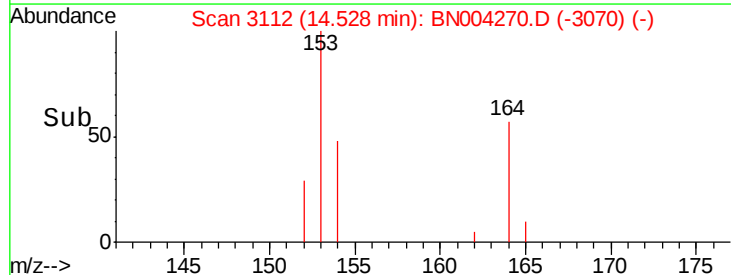
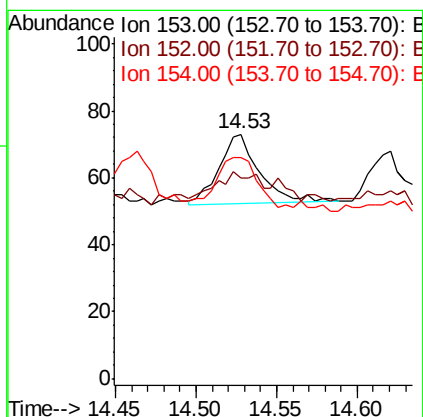
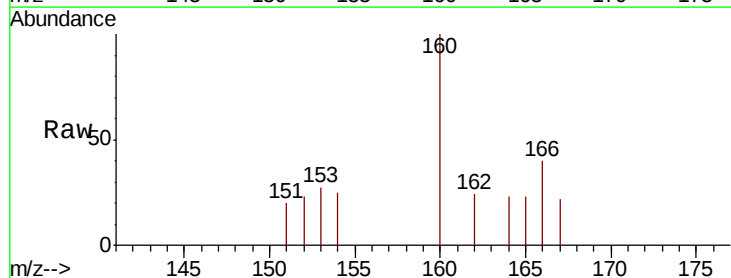
Tgt Ion:153 Resp: 36

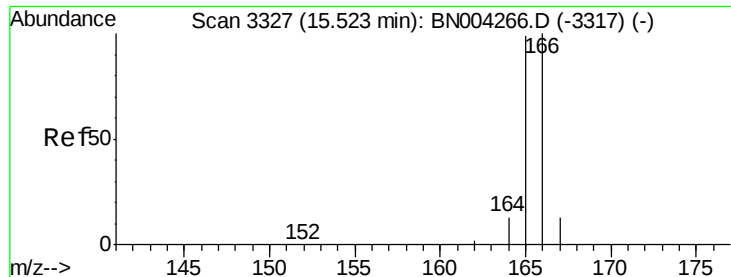
Ion Ratio Lower Upper

153 100

152 82.2 38.2 57.2#

154 90.4 70.9 106.3





#9

Fluorene

Concen: 0.003 ng/ul

RT: 15.51 min Scan# 3325

Delta R.T. -0.01 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

Instrument :

MSVOA\_W

ClientSampleId :

F9F67

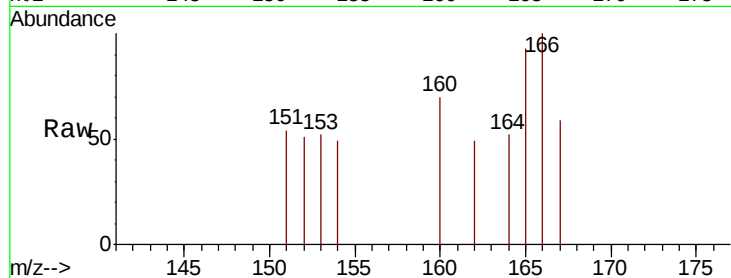
Tgt Ion:166 Resp: 69

Ion Ratio Lower Upper

166 100

165 92.5 79.0 118.6

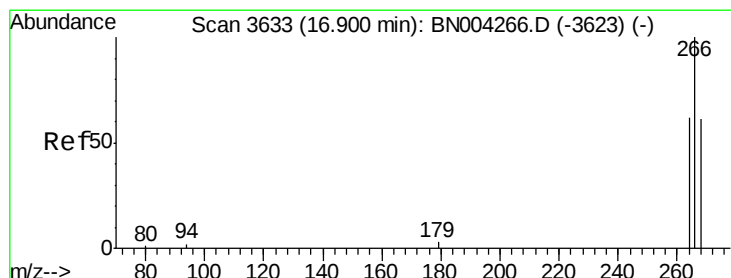
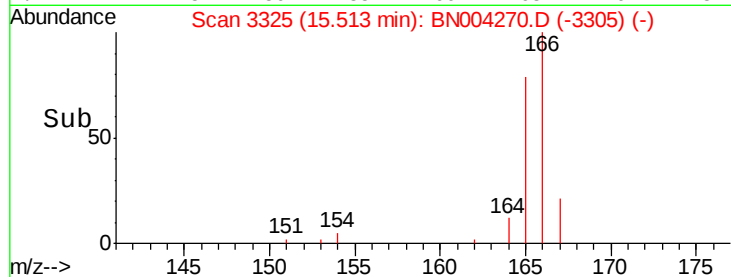
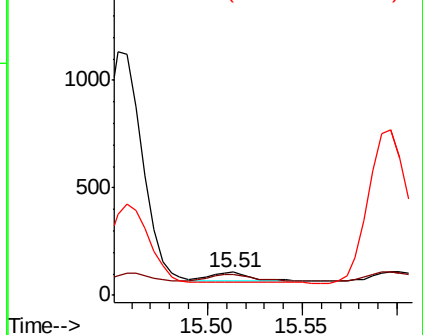
167 58.9 11.3 16.9#



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



#11

Pentachlorophenol

Concen: 0.000 ng/ul

RT: 16.97 min Scan# 3649

Delta R.T. 0.07 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

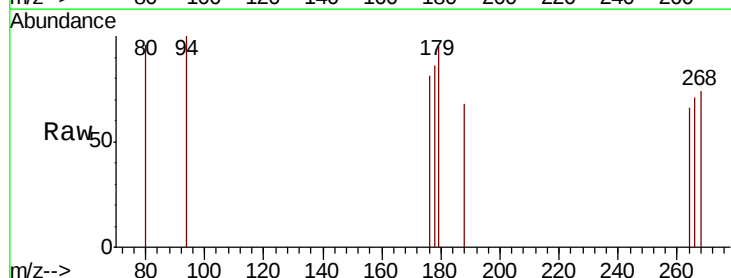
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 250.0 51.1 76.7#

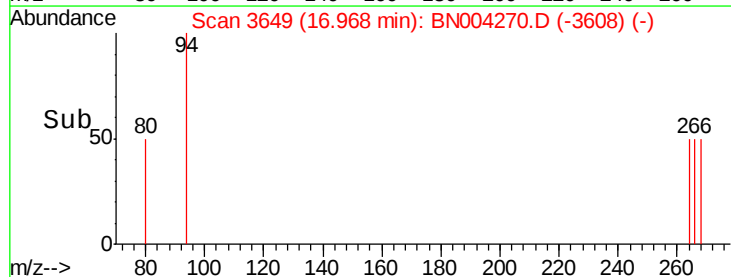
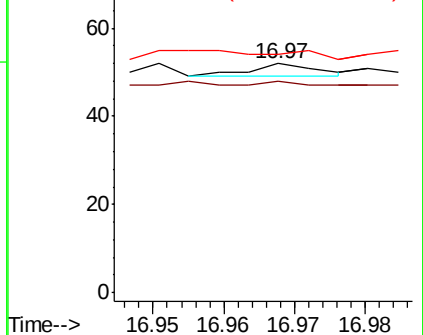
268 150.0 52.6 78.8#

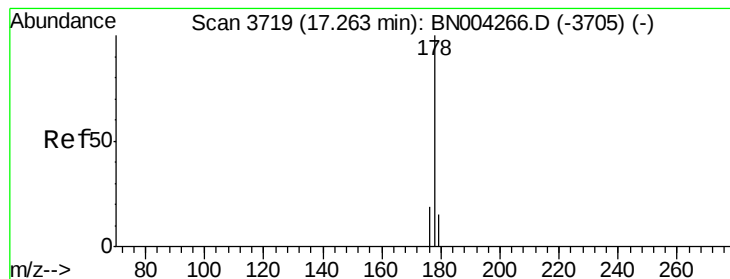


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.000 ng/ul

RT: 17.31 min Scan# 3729

Delta R.T. 0.04 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

Instrument :

MSVOA\_W

ClientSampleId :

F9F67

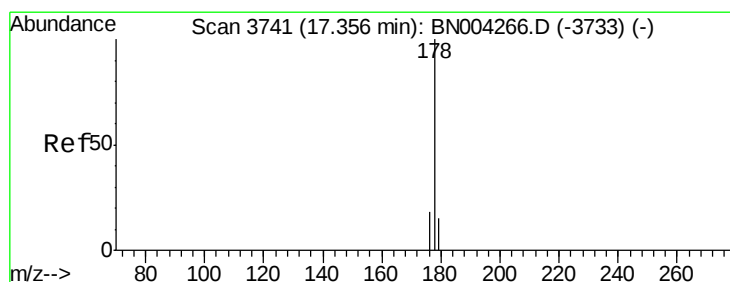
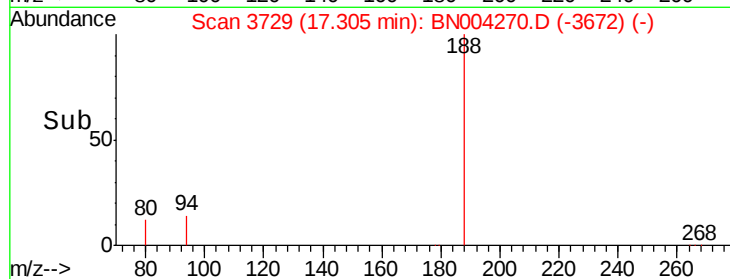
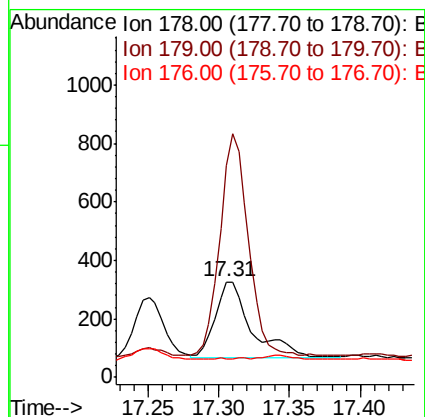
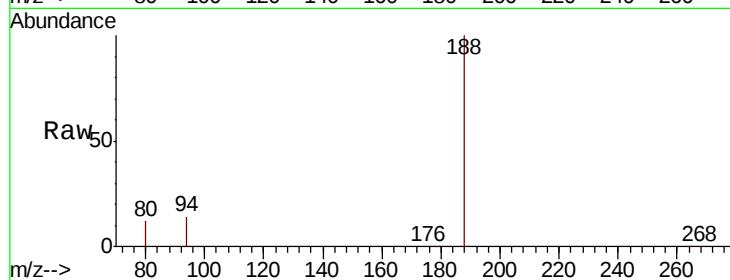
Tgt Ion:178 Resp: 474

Ion Ratio Lower Upper

178 100

179 222.0 12.6 18.8#

176 19.0 15.2 22.8



#13

Anthracene

Concen: 0.000 ng/ul

RT: 17.48 min Scan# 3770

Delta R.T. 0.12 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

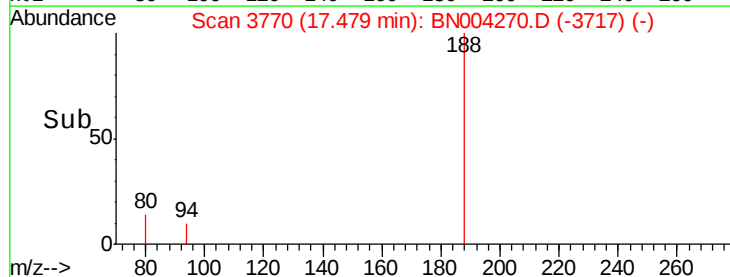
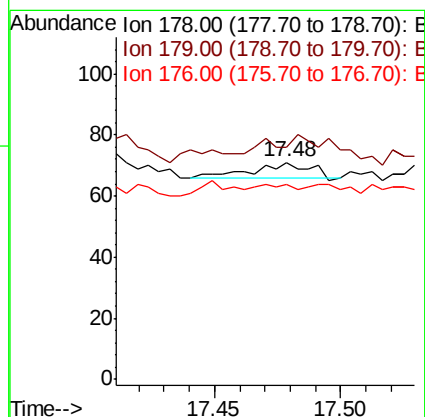
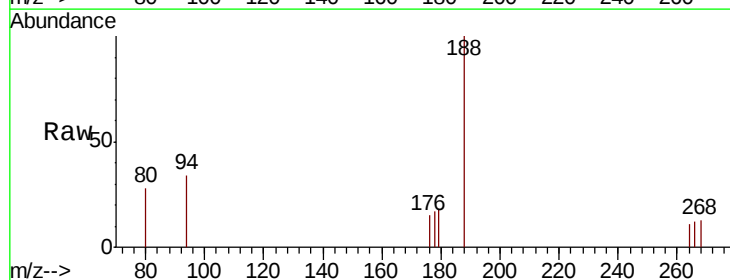
Tgt Ion:178 Resp: 7

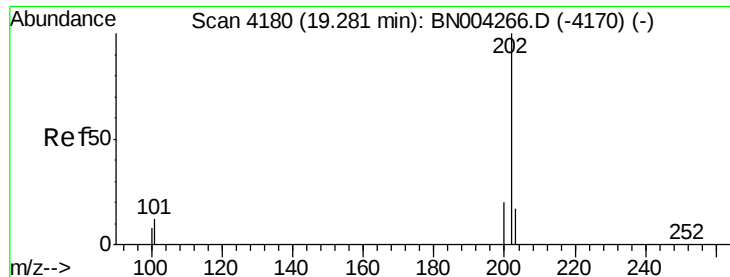
Ion Ratio Lower Upper

178 100

179 107.0 12.7 19.1#

176 90.1 15.0 22.6#





#15

Fluoranthene

Concen: 0.000 ng/ul

RT: 19.43 min Scan# 4212

Delta R.T. 0.15 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

Instrument :

MSVOA\_W

ClientSampleId :

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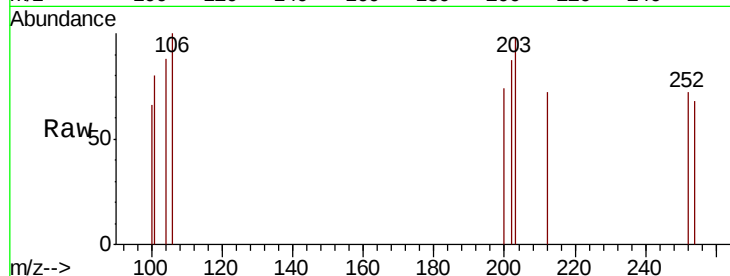
Tgt Ion:202 Resp: 9

Ion Ratio Lower Upper

202 100

101 93.0 0.0 32.6#

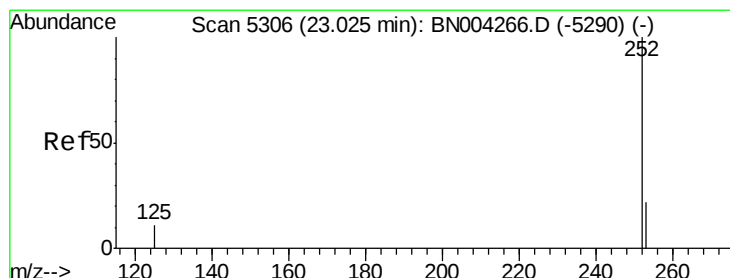
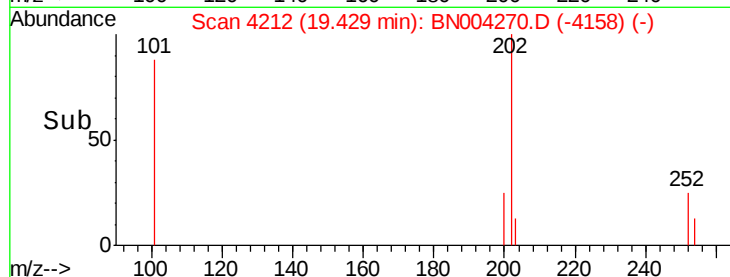
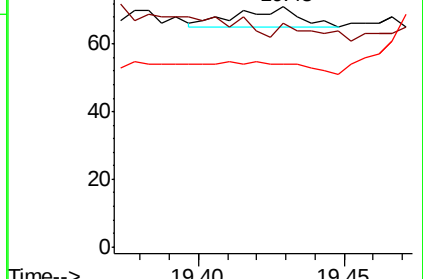
100 76.1 0.0 29.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#21

Benzo(b)fluoranthene

Concen: 0.000 ng/ul

RT: 22.94 min Scan# 5278

Delta R.T. -0.08 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

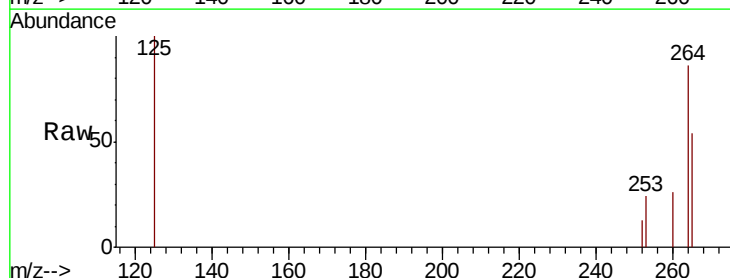
Tgt Ion:252 Resp: 145

Ion Ratio Lower Upper

252 100

253 180.8 0.0 47.6#

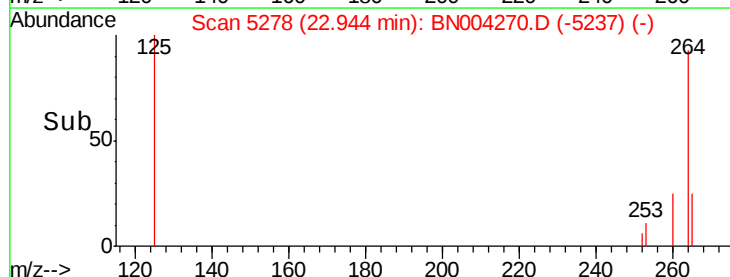
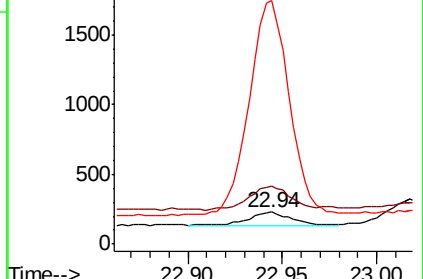
125 762.9 0.0 25.0#

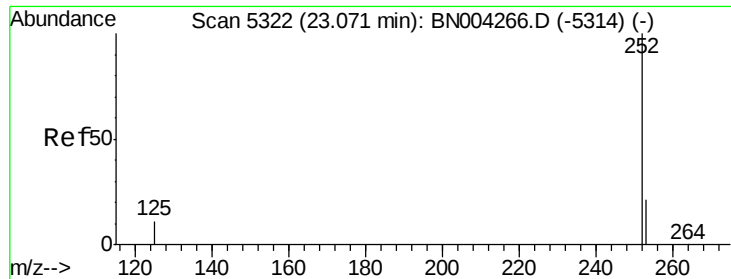


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.000 ng/u1

RT: 22.94 min Scan# 5278

Delta R.T. -0.12 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

Instrument :

MSVOA\_W

ClientSampleId :

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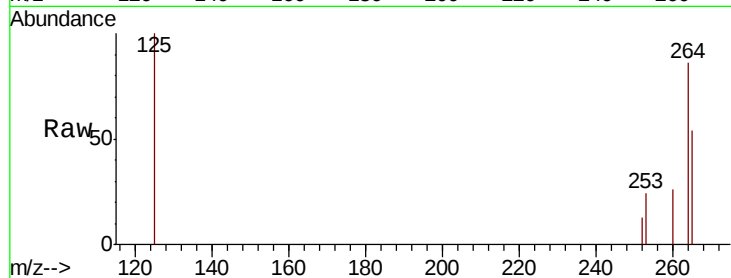
Tgt Ion:252 Resp: 145

Ion Ratio Lower Upper

252 100

253 180.8 19.0 28.6#

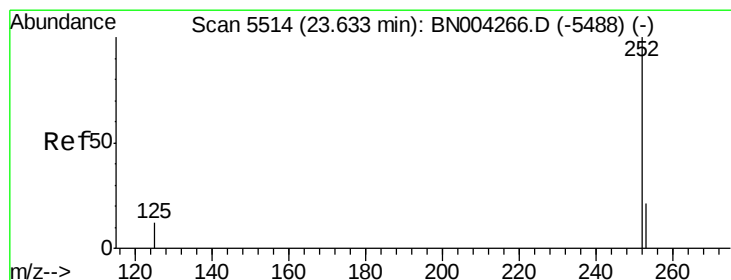
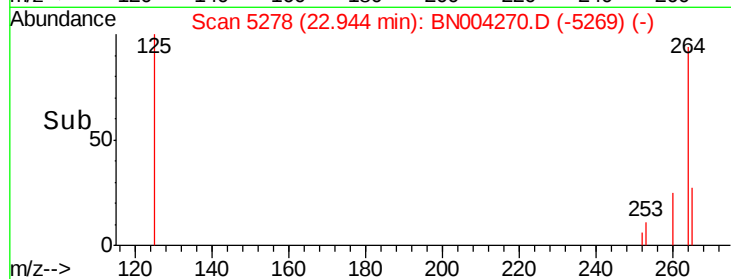
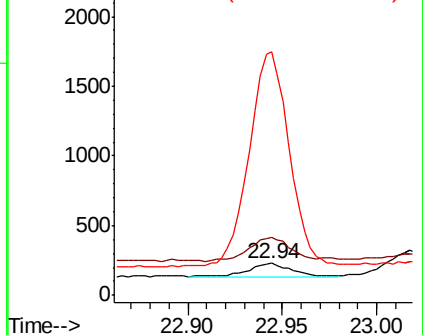
125 762.9 10.2 15.2#



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



#23

Benzo(a)pyrene

Concen: 0.000 ng/u1

RT: 23.52 min Scan# 5476

Delta R.T. -0.11 min

Lab File: BN004270.D

Acq: 28 Dec 2018 19:41

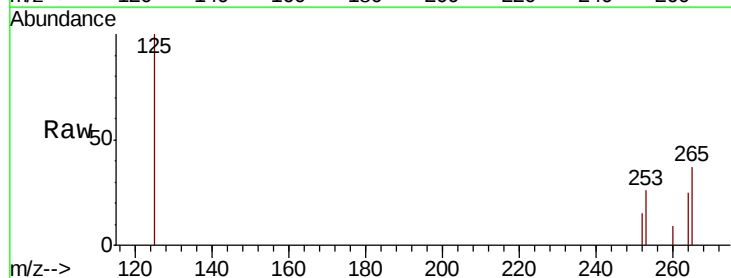
Tgt Ion:252 Resp: 192

Ion Ratio Lower Upper

252 100

253 167.4 20.0 30.0#

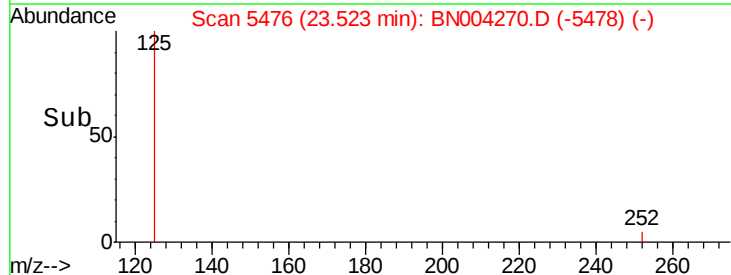
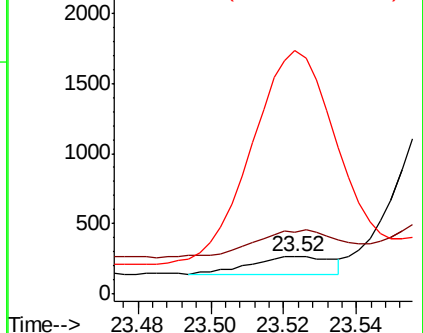
125 656.1 11.4 17.0#

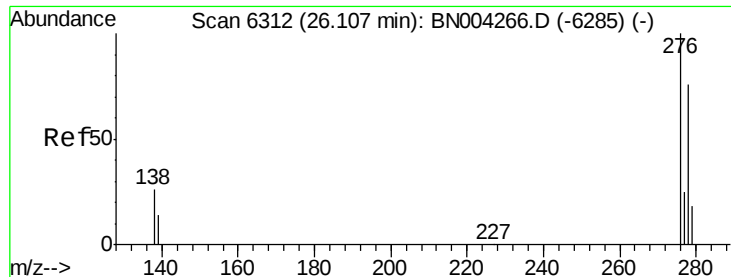


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



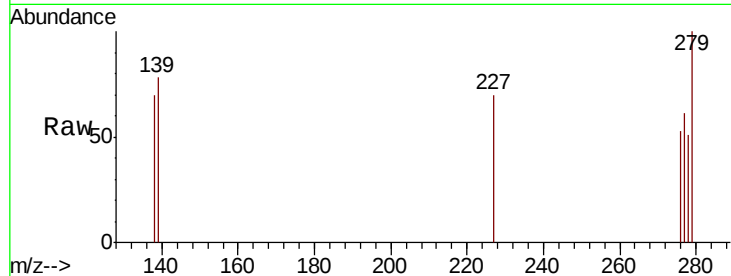


#24

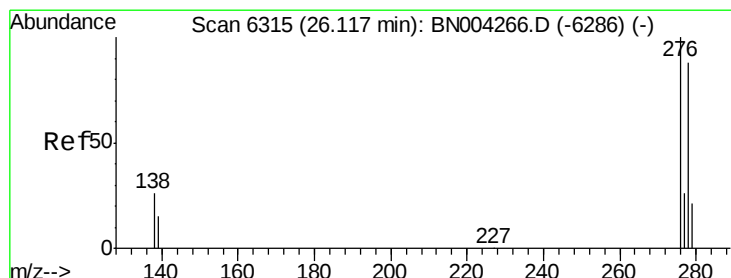
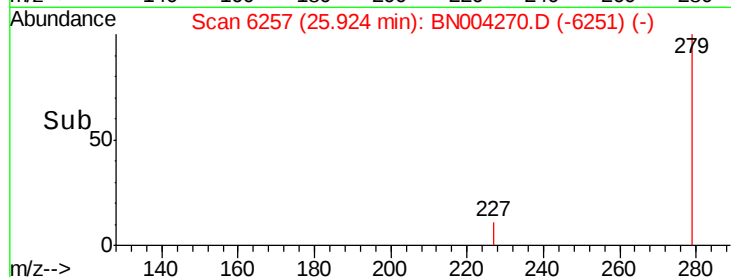
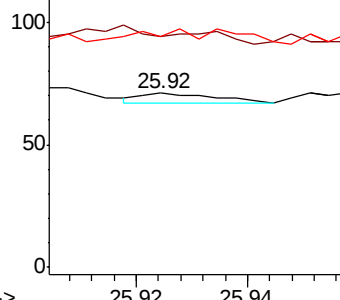
Indeno(1,2,3-cd)pyrene  
Concen: 0.000 ng/u1  
RT: 25.92 min Scan# 6257  
Delta R.T. -0.18 min  
Lab File: BN004270.D  
Acq: 28 Dec 2018 19:41

Instrument :  
MSVOA\_W  
ClientSampled :  
F9F67

Tgt Ion:276 Resp: 4  
Ion Ratio Lower Upper  
276 100  
138 0.0 0.0 0.0  
227 50.0 0.1 0.1#



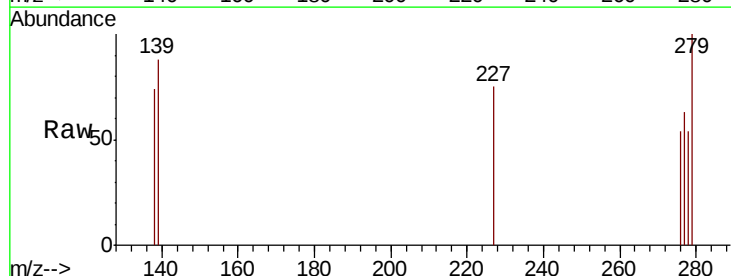
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 227.00 (226.70 to 227.70): E



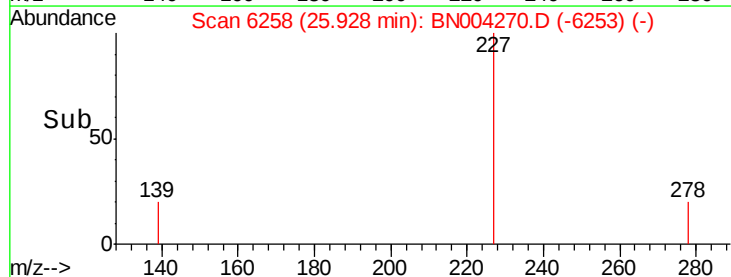
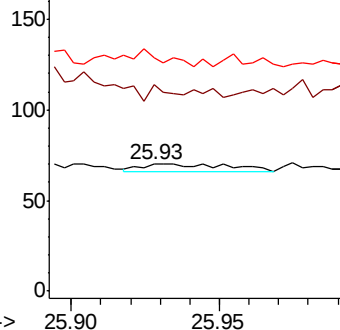
#25

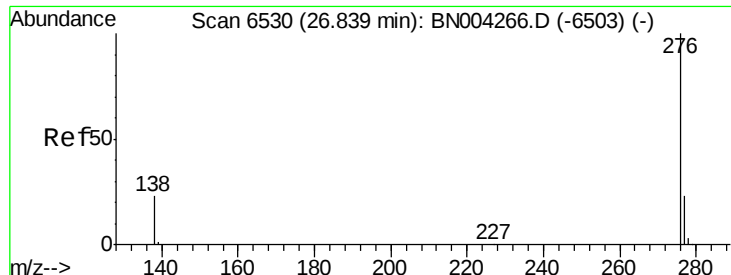
Dibenzo(a,h)anthracene  
Concen: 0.000 ng/u1  
RT: 25.93 min Scan# 6258  
Delta R.T. -0.18 min  
Lab File: BN004270.D  
Acq: 28 Dec 2018 19:41

Tgt Ion:278 Resp: 9  
Ion Ratio Lower Upper  
278 100  
139 162.9 15.4 23.2#  
279 184.3 21.0 31.6#



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





#26

Benzo(g,h,i)perylene

Concen: 0.000 ng/ul

RT: 26.65 min Scan# 6472

Delta R.T. -0.19 min

Lab File: BN004270.D

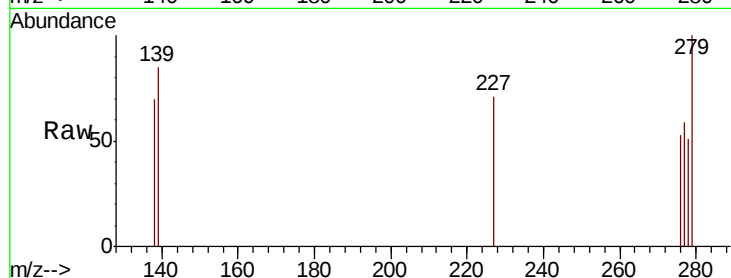
Acq: 28 Dec 2018 19:41

Instrument :

MSVOA\_W

ClientSampleId :

F9F67



Tgt Ion: 276 Resp: 4

Ion Ratio Lower Upper

276 100

138 132.4 19.4 29.0#

277 112.2 20.4 30.6#

