

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN122818\  
 Data File : BN004269.D  
 Acq On : 28 Dec 2018 19:06  
 Operator : JU/SJ  
 Sample : J6541-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9F66

Quant Time: Dec 28 22:20:17 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  | 2042     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.62 | 136  | 9206     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.46 | 164  | 5627     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.31 | 188  | 1076185  | 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  | 1194724  | 0.40 | ng/ul | -0.16    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.21 | 152  | 4615     | 0.33 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00 | ng/ul |          |

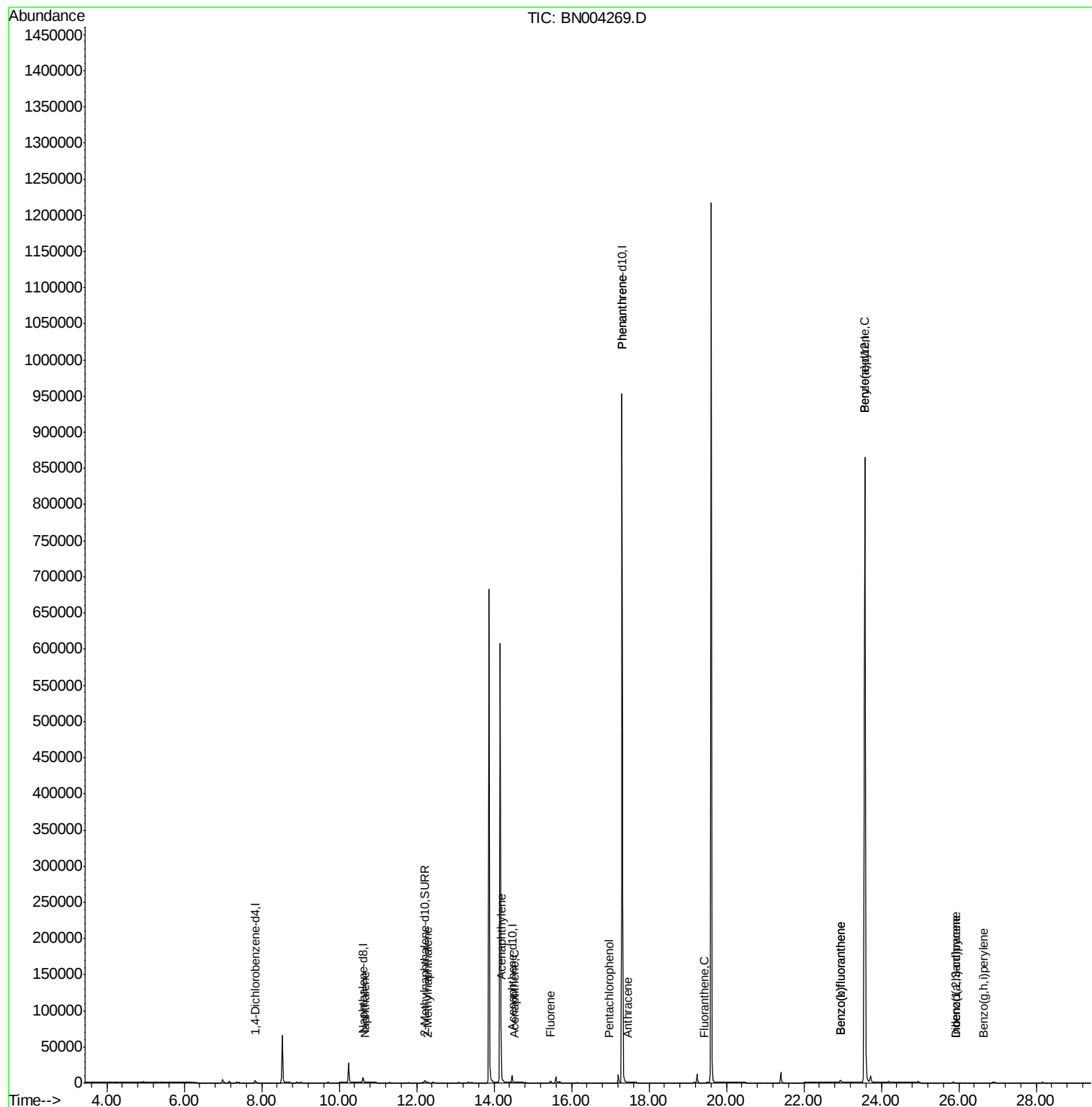
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.67 | 128  | 171      | 0.007 | ng/ul# | 14     |
| 5) 2-Methylnaphthalene     | 12.29 | 142  | 38       | 0.002 | ng/ul  | 97     |
| 7) Acenaphthylene          | 14.19 | 152  | 46       | 0.002 | ng/ul# | 1      |
| 8) Acenaphthene            | 14.52 | 153  | 13       | 0.001 | ng/ul# | 71     |
| 9) Fluorene                | 15.46 | 166  | 1725     | 0.067 | ng/ul# | 13     |
| 11) Pentachlorophenol      | 16.98 | 266  | 1        | 0.000 | ng/ul# | 1      |
| 12) Phenanthrene           | 17.31 | 178  | 501      | 0.000 | ng/ul# | 1      |
| 13) Anthracene             | 17.46 | 178  | 2        | 0.000 | ng/ul# | 1      |
| 15) Fluoranthene           | 19.42 | 202  | 8        | 0.000 | ng/ul# | 1      |
| 21) Benzo(b)fluoranthene   | 22.94 | 252  | 65       | 0.000 | ng/ul# | 1      |
| 22) Benzo(k)fluoranthene   | 22.94 | 252  | 65       | 0.000 | ng/ul# | 1      |
| 23) Benzo(a)pyrene         | 23.57 | 252  | 4496     | 0.001 | ng/ul# | 78     |
| 24) Indeno(1,2,3-cd)pyrene | 25.94 | 276  | 3        | 0.000 | ng/ul# | 57     |
| 25) Dibenzo(a,h)anthracene | 25.93 | 278  | 2        | 0.000 | ng/ul# | 1      |
| 26) Benzo(g,h,i)perylene   | 26.64 | 276  | 5        | 0.000 | ng/ul# | 1      |

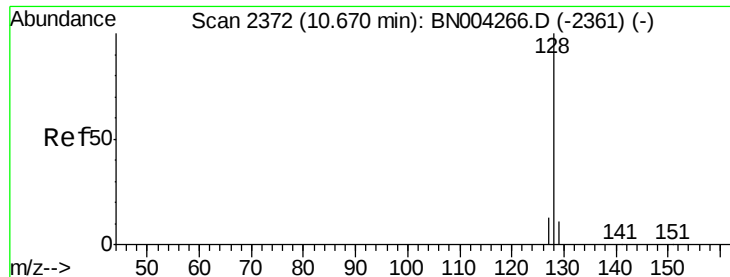
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.007 ng/ul

RT: 10.67 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

Instrument :

BNA\_N

ClientSampleId :

F9F66

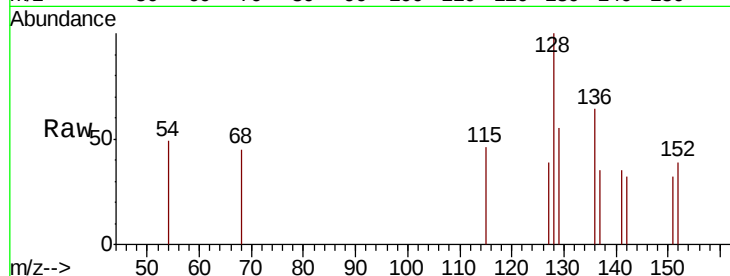
Tgt Ion:128 Resp: 171

Ion Ratio Lower Upper

128 100

129 55.4 9.5 14.3#

127 39.5 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

10.67

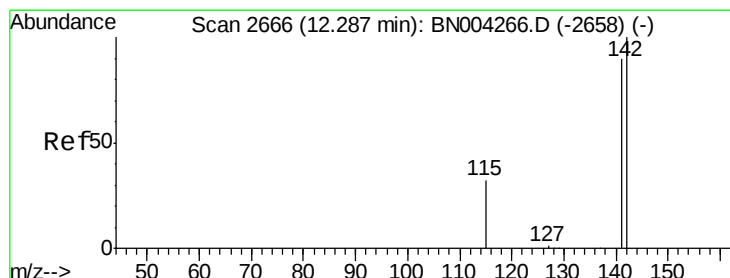
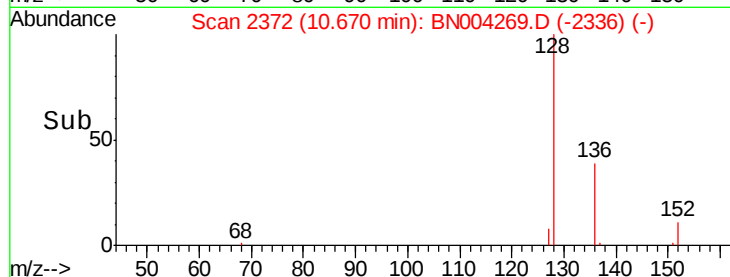
150

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.002 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. 0.01 min

Lab File: BN004269.D

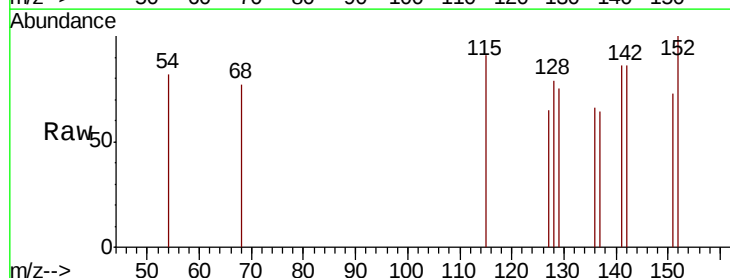
Acq: 28 Dec 2018 19:06

Tgt Ion:142 Resp: 38

Ion Ratio Lower Upper

142 100

141 86.8 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.29

80

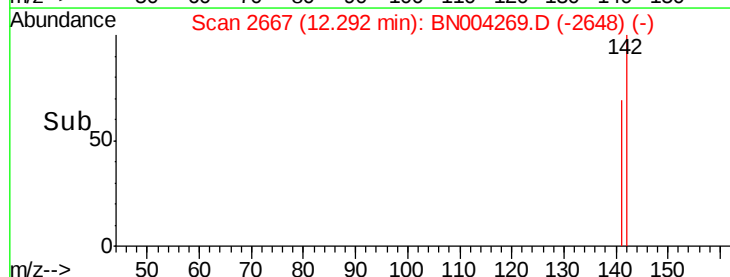
60

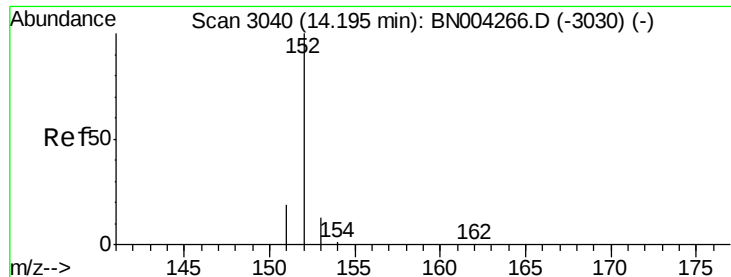
40

20

0

Time-->





#7

Acenaphthylene

Concen: 0.002 ng/ul

RT: 14.19 min Scan# 3038

Delta R.T. -0.01 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

Instrument :

BNA\_N

ClientSampleId :

F9F66

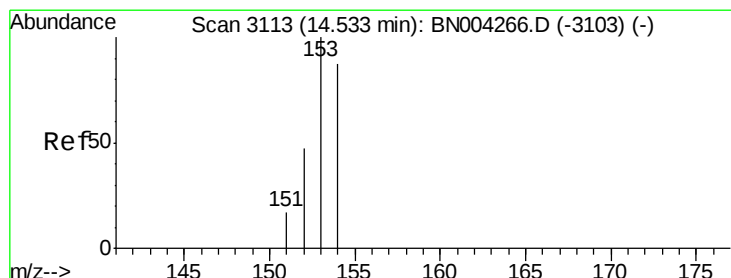
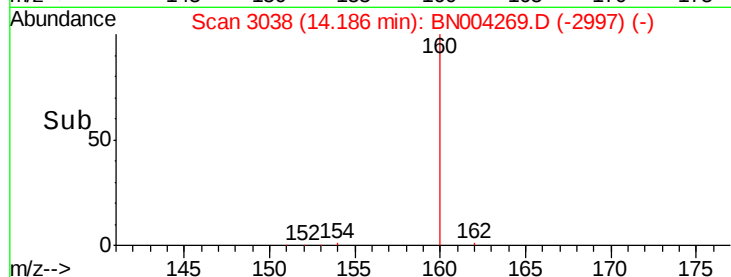
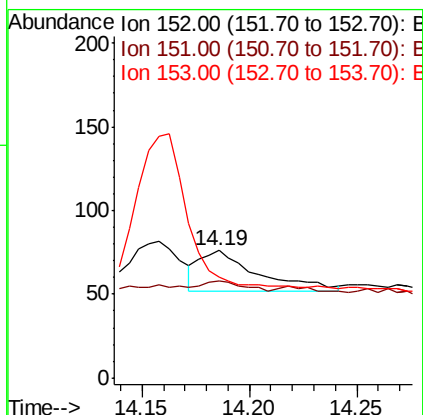
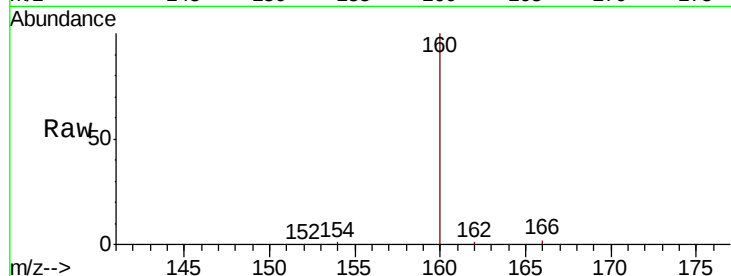
Tgt Ion:152 Resp: 46

Ion Ratio Lower Upper

152 100

151 76.3 16.3 24.5#

153 78.9 11.1 16.7#



#8

Acenaphthene

Concen: 0.001 ng/ul

RT: 14.52 min Scan# 3110

Delta R.T. -0.01 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

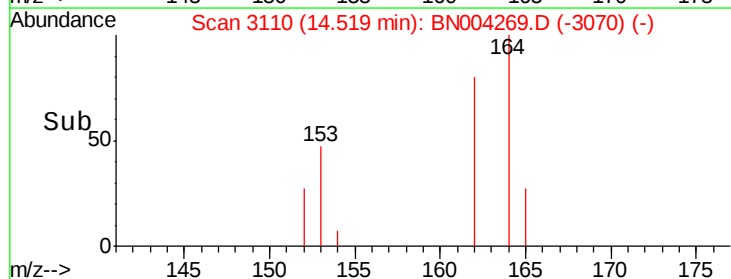
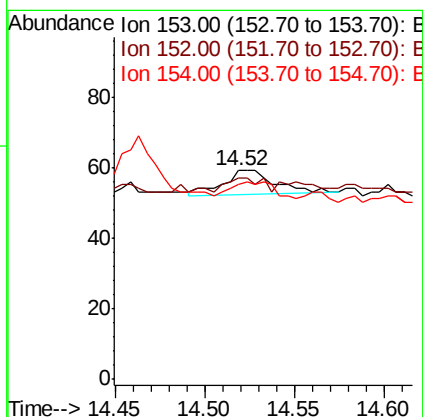
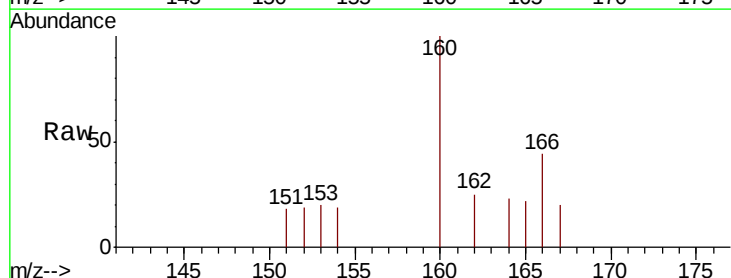
Tgt Ion:153 Resp: 13

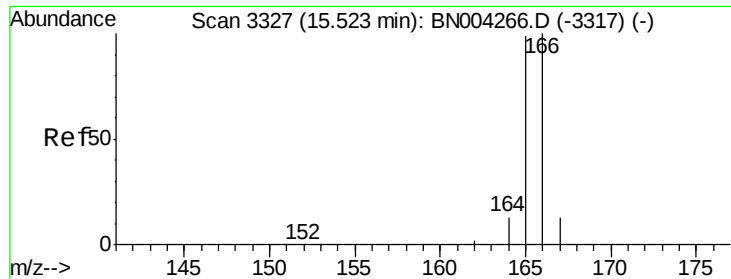
Ion Ratio Lower Upper

153 100

152 96.6 38.2 57.2#

154 93.2 70.9 106.3





#9

Fluorene

Concen: 0.067 ng/ul

RT: 15.46 min Scan# 3313

Delta R.T. -0.06 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

Instrument :

BNA\_N

ClientSampleId :

F9F66

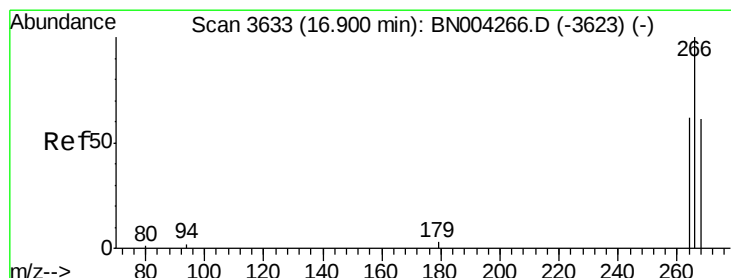
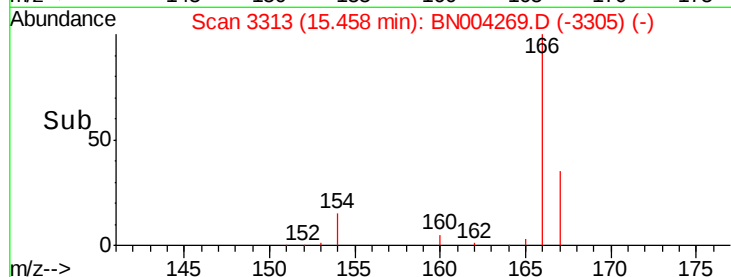
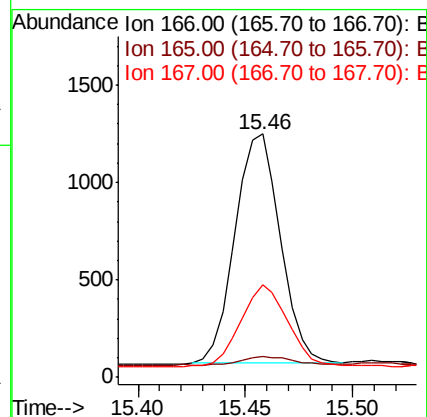
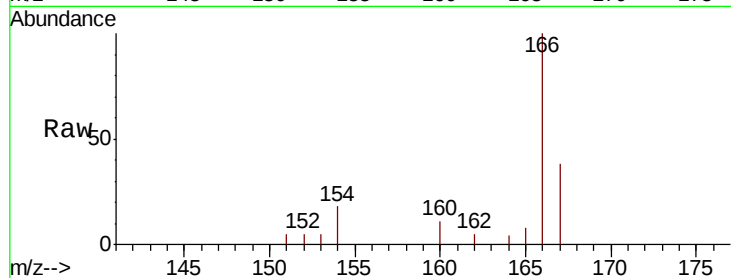
Tgt Ion:166 Resp: 1725

Ion Ratio Lower Upper

166 100

165 8.5 79.0 118.6#

167 37.9 11.3 16.9#



#11

Pentachlorophenol

Concen: 0.000 ng/ul

RT: 16.98 min Scan# 3652

Delta R.T. 0.08 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

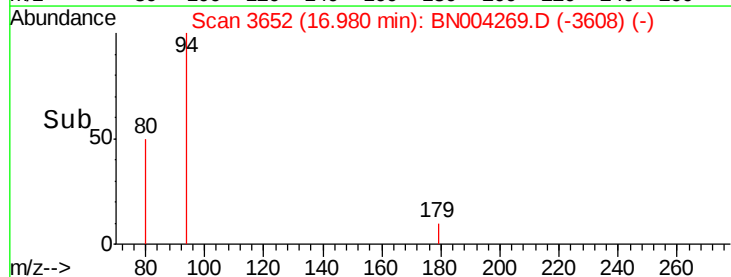
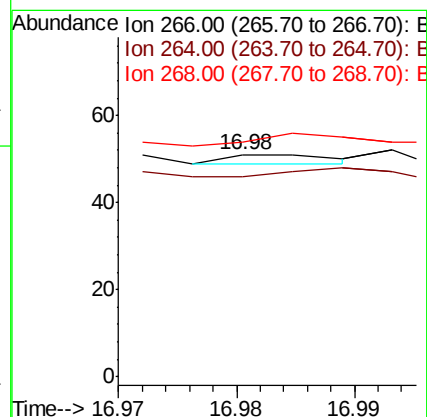
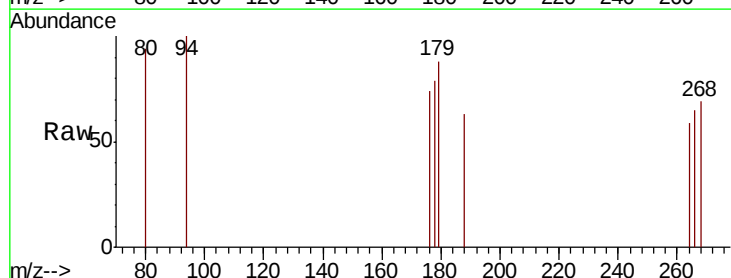
Tgt Ion:266 Resp: 1

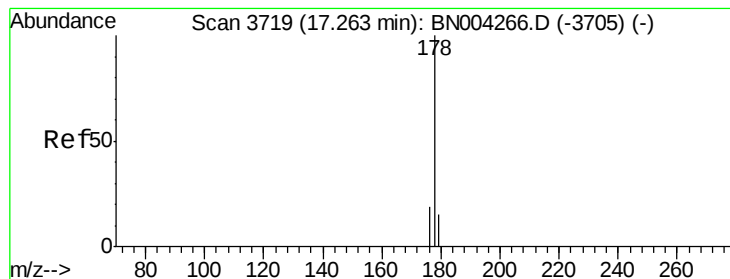
Ion Ratio Lower Upper

266 100

264 0.0 51.1 76.7#

268 200.0 52.6 78.8#





#12

Phenanthrene

Concen: 0.000 ng/ul

RT: 17.31 min Scan# 3730

Delta R.T. 0.05 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

Instrument :

BNA\_N

ClientSampleId :

F9F66

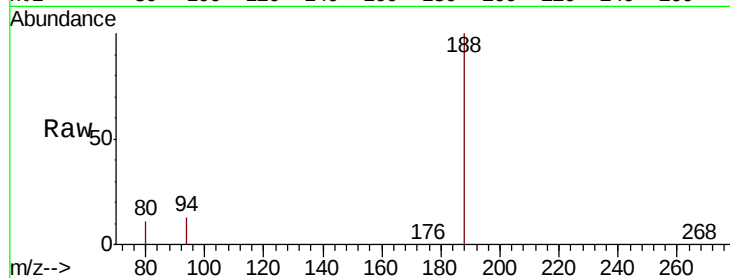
Tgt Ion:178 Resp: 501

Ion Ratio Lower Upper

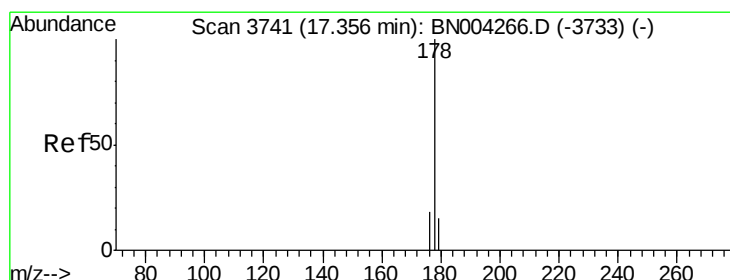
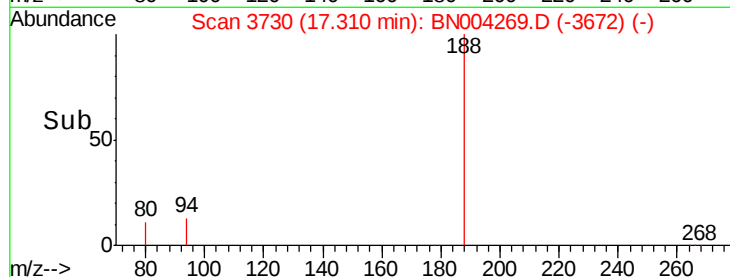
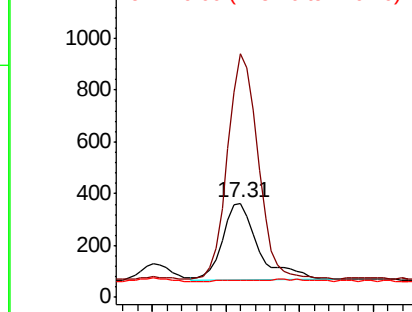
178 100

179 259.0 12.6 18.8#

176 17.9 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.000 ng/ul

RT: 17.46 min Scan# 3765

Delta R.T. 0.10 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

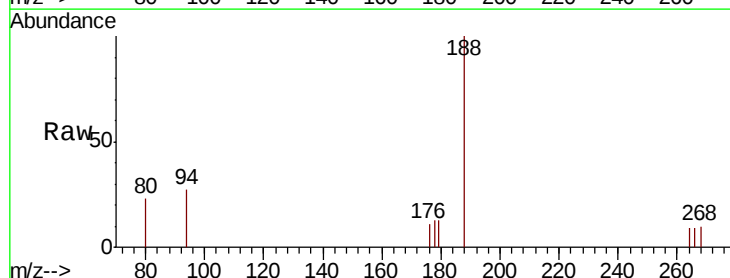
Tgt Ion:178 Resp: 2

Ion Ratio Lower Upper

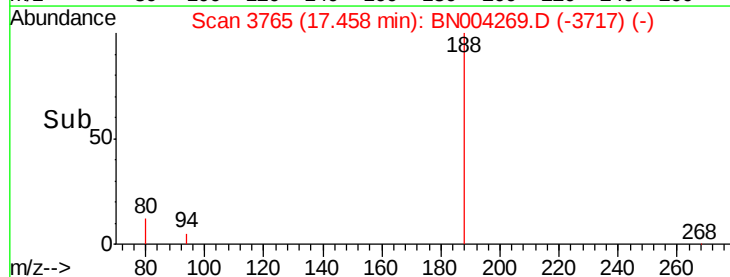
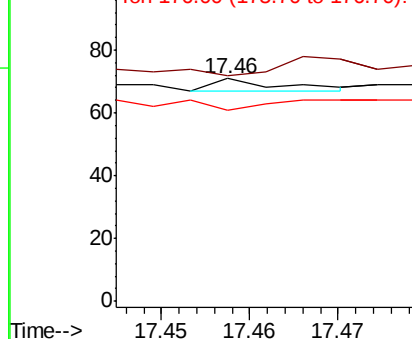
178 100

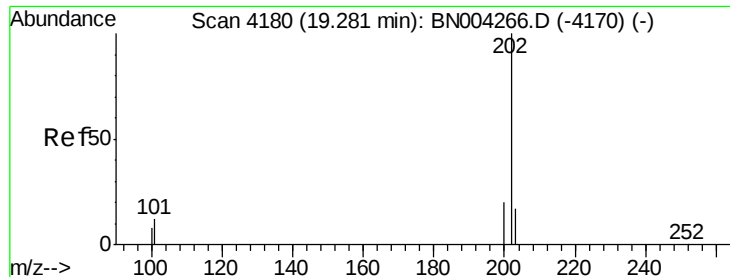
179 101.4 12.7 19.1#

176 85.9 15.0 22.6#



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.000 ng/ul

RT: 19.42 min Scan# 4210

Delta R.T. 0.14 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

Instrument :

BNA\_N

ClientSampleId :

F9F66

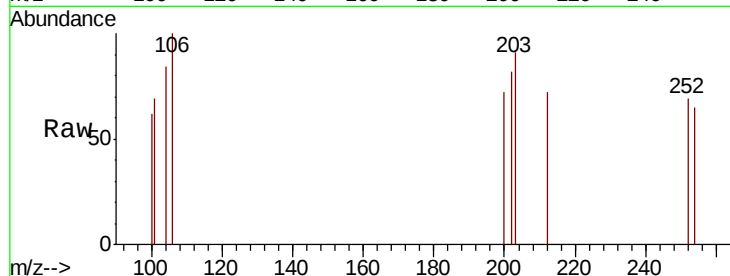
Tgt Ion:202 Resp: 8

Ion Ratio Lower Upper

202 100

101 84.3 0.0 32.6#

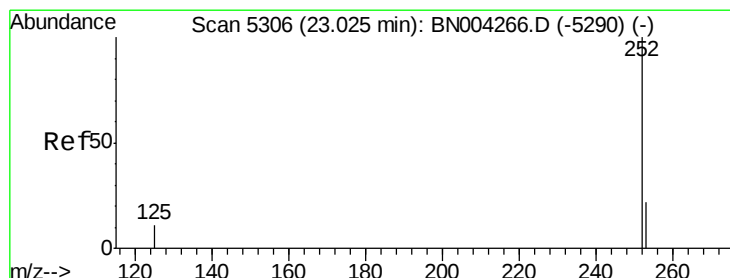
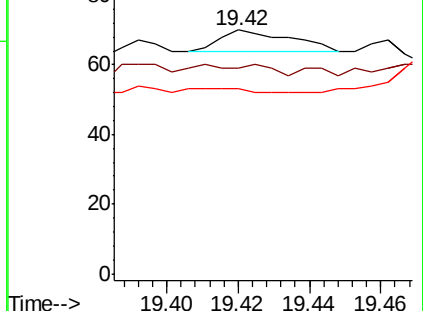
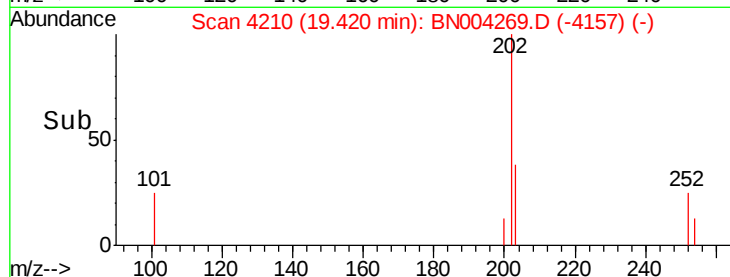
100 75.7 0.0 29.7#



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): B



#21

Benzo(b)fluoranthene

Concen: 0.000 ng/ul

RT: 22.94 min Scan# 5276

Delta R.T. -0.09 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

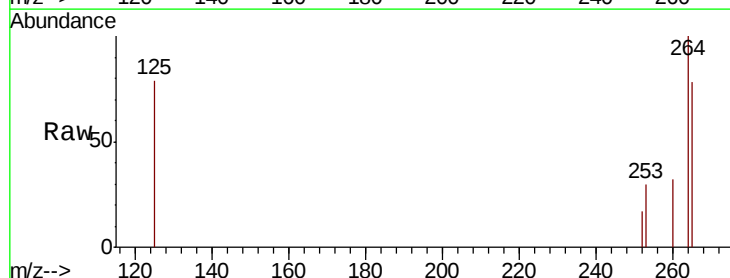
Tgt Ion:252 Resp: 65

Ion Ratio Lower Upper

252 100

253 175.3 0.0 47.6#

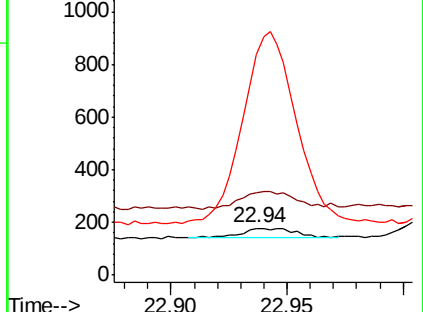
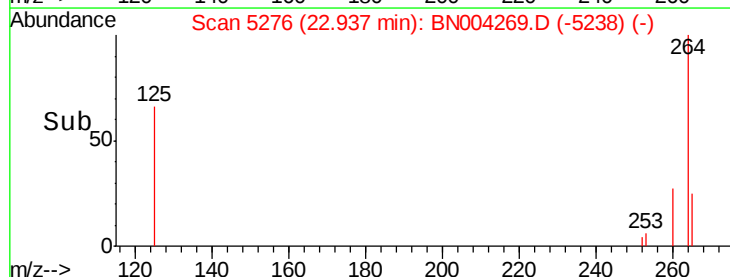
125 470.2 0.0 25.0#

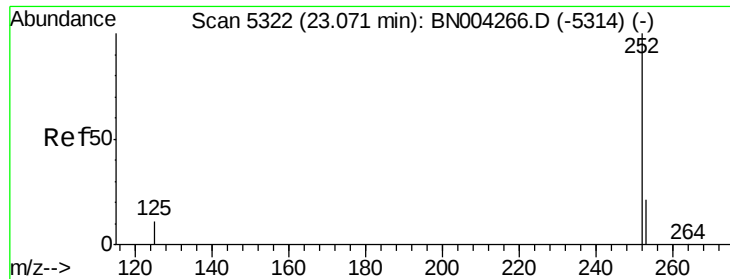


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 22.94 min Scan# 5276

Delta R.T. -0.13 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

Instrument :

BNA\_N

ClientSampleId :

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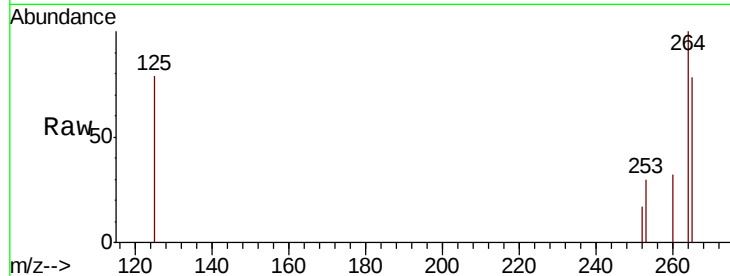
Tgt Ion:252 Resp: 65

Ion Ratio Lower Upper

252 100

253 175.3 19.0 28.6#

125 470.2 10.2 15.2#

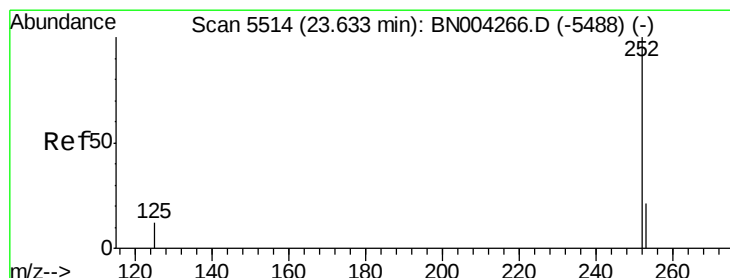
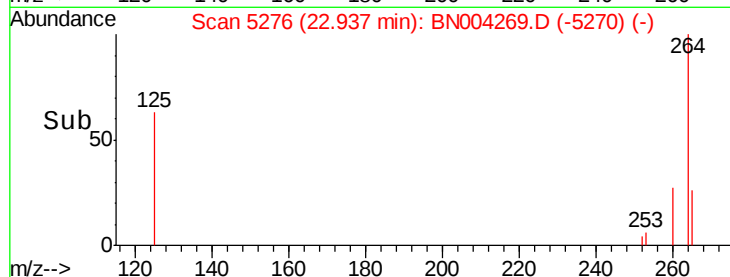
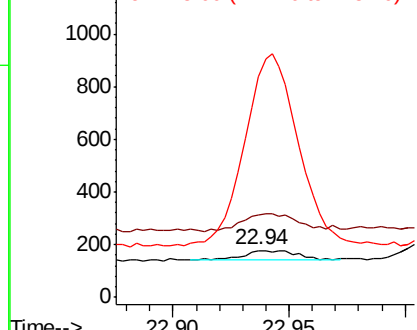


Abundance

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: 0.001 ng/ul

RT: 23.57 min Scan# 5494

Delta R.T. -0.06 min

Lab File: BN004269.D

Acq: 28 Dec 2018 19:06

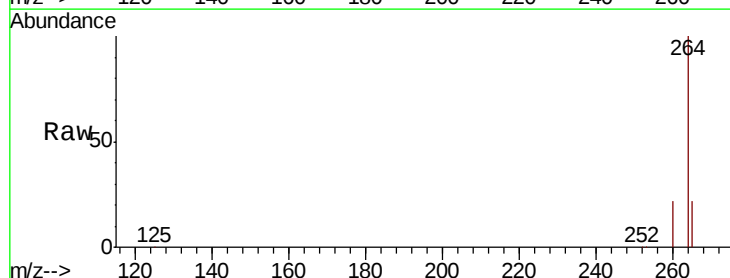
Tgt Ion:252 Resp: 4496

Ion Ratio Lower Upper

252 100

253 35.2 20.0 30.0#

125 24.1 11.4 17.0#

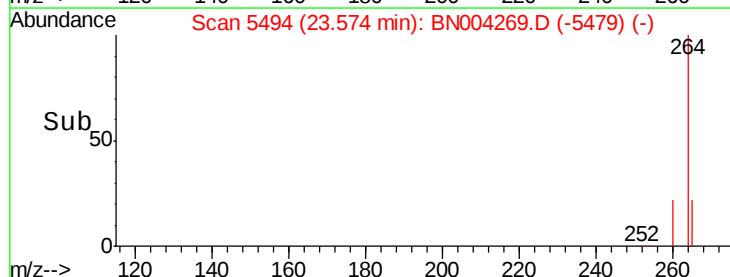
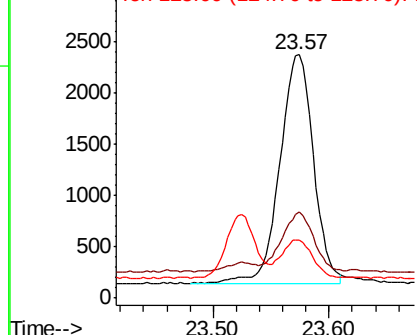


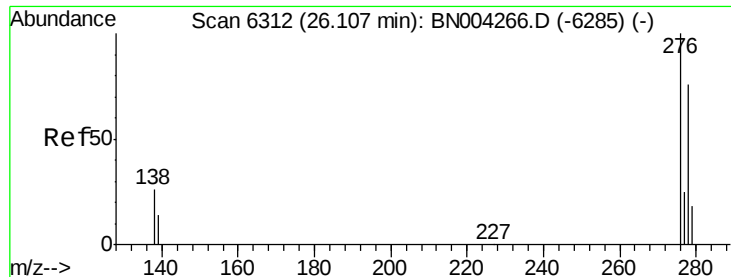
Abundance

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



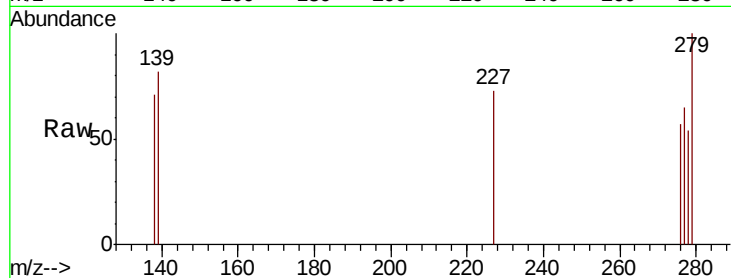


#24

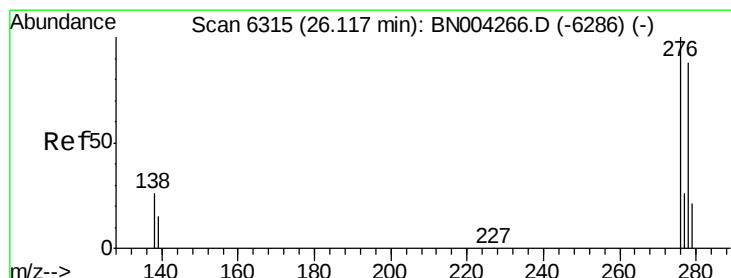
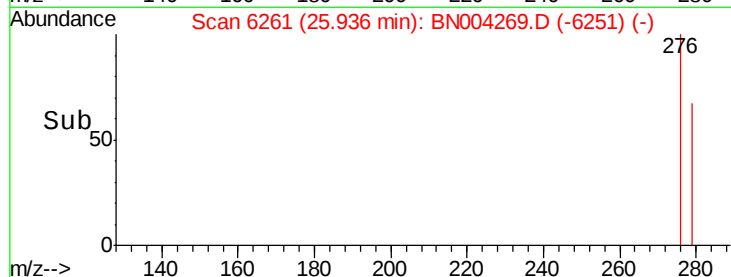
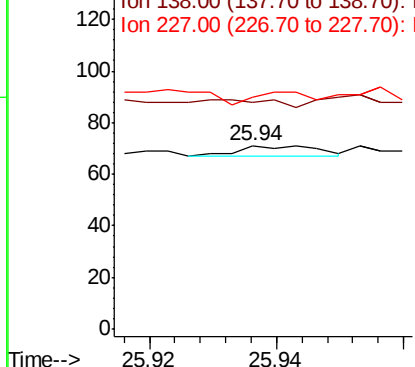
Indeno(1,2,3-cd)pyrene  
Concen: 0.000 ng/u1  
RT: 25.94 min Scan# 6261  
Delta R.T. -0.17 min  
Lab File: BN004269.D  
Acq: 28 Dec 2018 19:06

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BNA\_N  
ClientSampleId :  
F9F66

Tgt Ion: 276 Resp: 3  
Ion Ratio Lower Upper  
276 100  
138 0.0 0.0 0.0  
227 100.0 0.1 0.1#



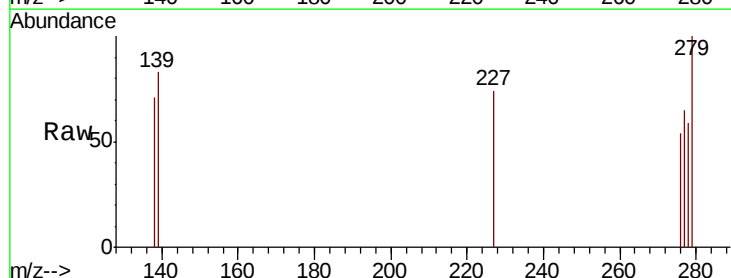
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 227.00 (226.70 to 227.70): E



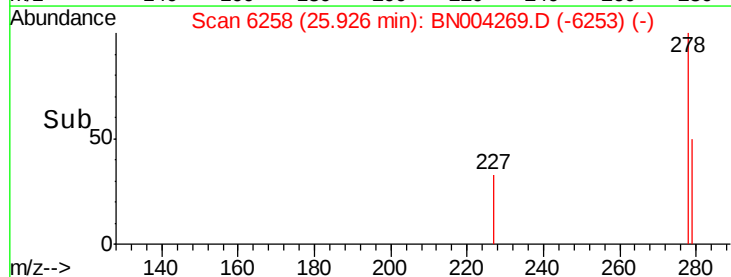
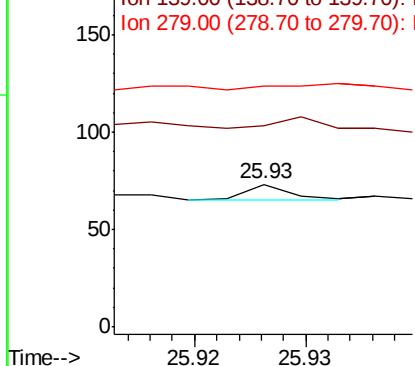
#25

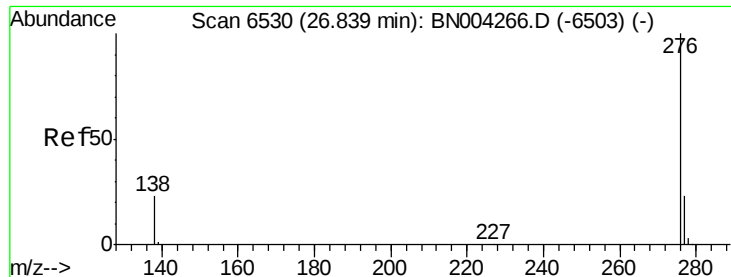
Dibenzo(a,h)anthracene  
Concen: 0.000 ng/u1  
RT: 25.93 min Scan# 6258  
Delta R.T. -0.18 min  
Lab File: BN004269.D  
Acq: 28 Dec 2018 19:06

Tgt Ion: 278 Resp: 2  
Ion Ratio Lower Upper  
278 100  
139 141.1 15.4 23.2#  
279 169.9 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: 26.64 min Scan# 6470

Delta R.T. -0.19 min

Lab File: BN004269.D

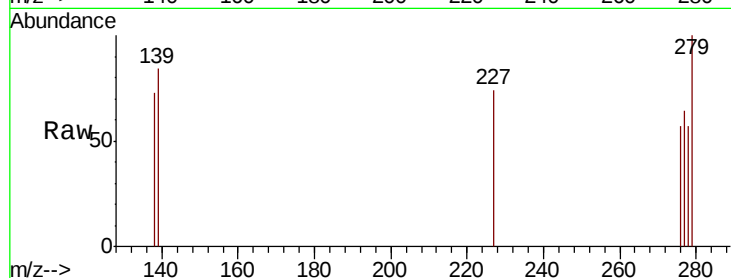
Acq: 28 Dec 2018 19:06

Instrument :

BNA\_N

ClientSampleId :

F9F66



Tgt Ion: 276 Resp: 5

Ion Ratio Lower Upper

276 100

138 128.8 19.4 29.0#

277 112.3 20.4 30.6#

