

Data File : BN008461.D  
Acq On : 05 Nov 2019 23:35  
Operator : JU  
Sample : PB142365BL  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SBLK65

Quant Time: Nov 06 01:00:30 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN110519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 06 00:56:29 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 1452     | 0.40 | ng/ul | -0.01    |
| 2) Naphthalene-d8         | 10.32 | 136  | 6429     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.20 | 164  | 3868     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 0.00  | 188  | 0        | 0.00 | ng/ul | -16.95   |
| 16) Chrysene-d12          | 21.16 | 240  | 5459     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.32 | 264  | 7164     | 0.40 | ng/ul | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 11.93 | 152  | 3348     | 0.33 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 18.99 | 212  | 8062     | 0.00 | ng/ul | 0.00     |

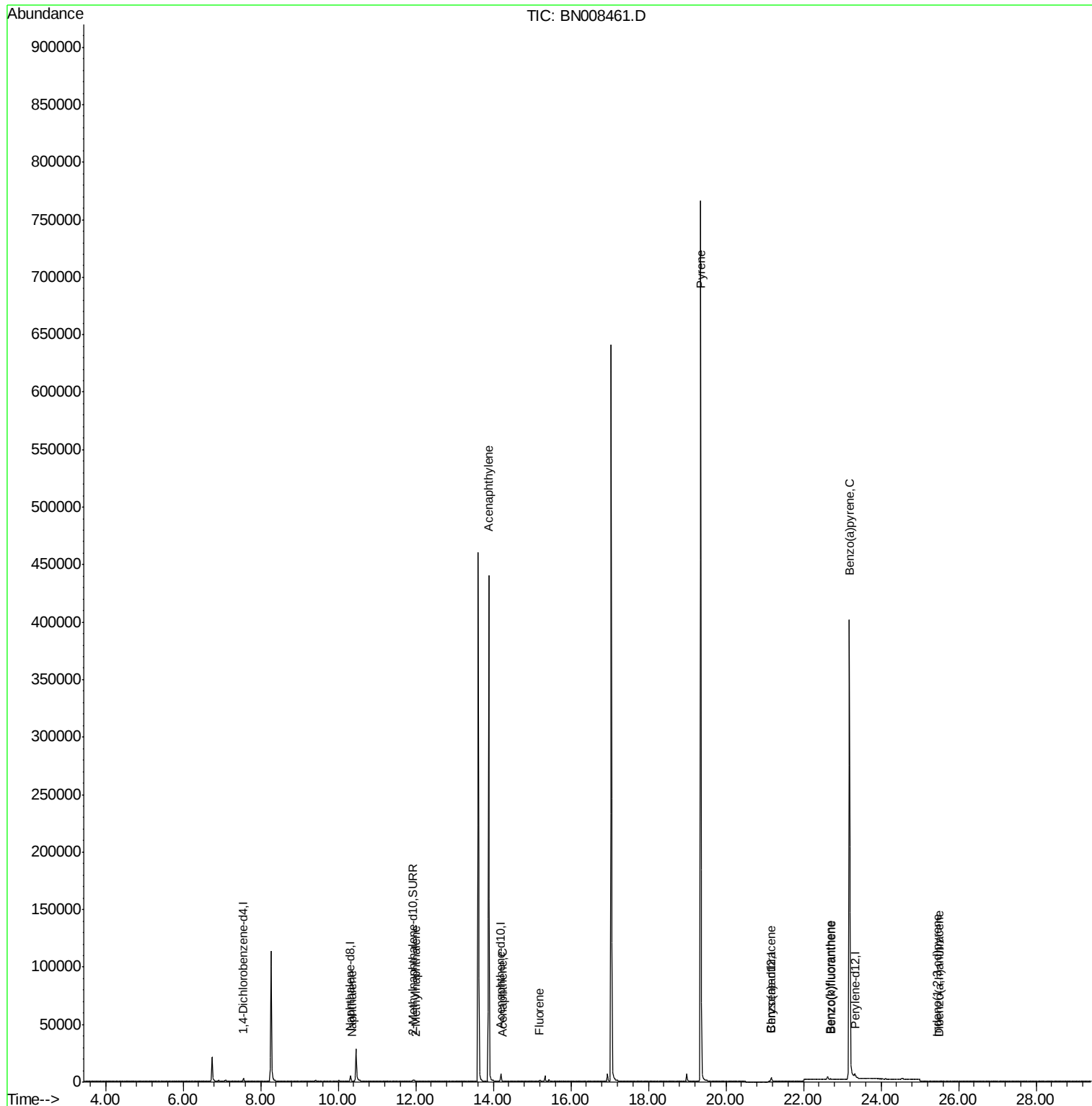
| Target Compounds           | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|----------------------------|-------|------|----------|-----------|--------|--------|
| 3) Naphthalene             | 10.37 | 128  | 32       | 0.001     | ng/ul# | 1      |
| 5) 2-Methylnaphthalene     | 12.01 | 142  | 12       | 0.016     | ng/ul# | 75     |
| 7) Acenaphthylene          | 13.88 | 152  | 59       | 0.034     | ng/ul# | 1      |
| 8) Acenaphthene            | 14.25 | 153  | 2        | 0.017     | ng/ul# | 62     |
| 9) Fluorene                | 15.19 | 166  | 1176     | 0.098     | ng/ul# | 16     |
| 17) Pyrene                 | 19.35 | 202  | 1099     | 0.030     | ng/ul# | 1      |
| 18) Benzo(a)anthracene     | 21.16 | 228  | 26       | 0.028     | ng/ul# | 1      |
| 19) Chrysene               | 21.20 | 228  | 23       | Below Cal | #      | 1      |
| 21) Benzo(b)fluoranthene   | 22.69 | 252  | 52       | 0.025     | ng/ul# | 1      |
| 22) Benzo(k)fluoranthene   | 22.72 | 252  | 12       | 0.018     | ng/ul# | 1      |
| 23) Benzo(a)pyrene         | 23.18 | 252  | 1770     | 0.072     | ng/ul# | 71     |
| 24) Indeno(1,2,3-cd)pyrene | 25.46 | 276  | 3        | 0.004     | ng/ul# | 51     |
| 25) Dibenzo(a,h)anthracene | 25.49 | 278  | 2        | 0.009     | ng/ul# | 1      |
| 26) Benzo(g,h,i)perylene   | 26.11 | 276  | 3        | Below Cal | #      | 1      |

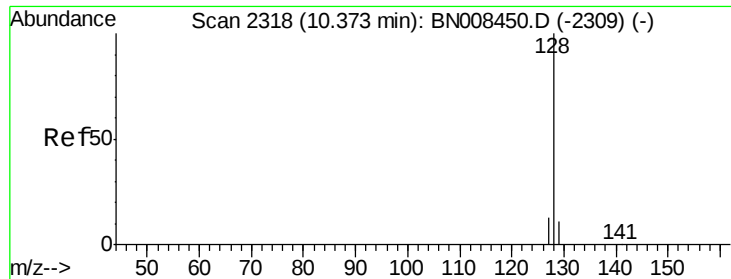
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.001 ng/ul

RT: 10.37 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BN008461.D

Acq: 05 Nov 2019 23:35

Instrument :

BNA\_N

ClientSampleId :

SBLK65

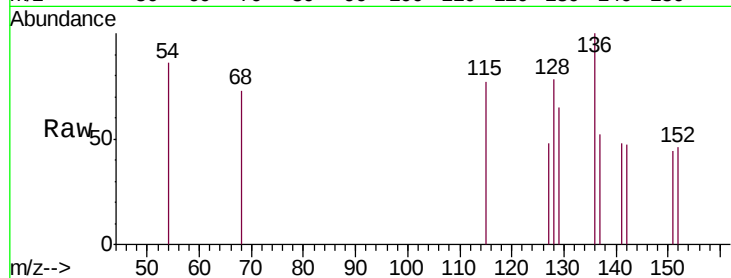
Tgt Ion:128 Resp: 32

Ion Ratio Lower Upper

128 100

129 82.8 10.2 15.2#

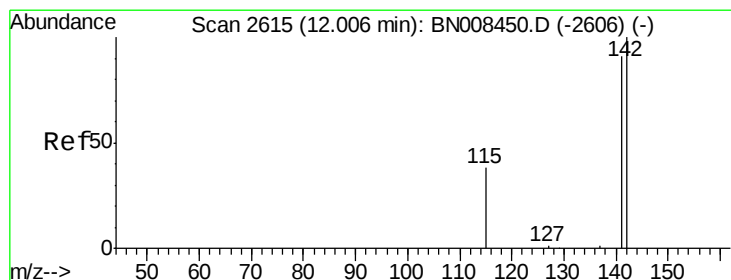
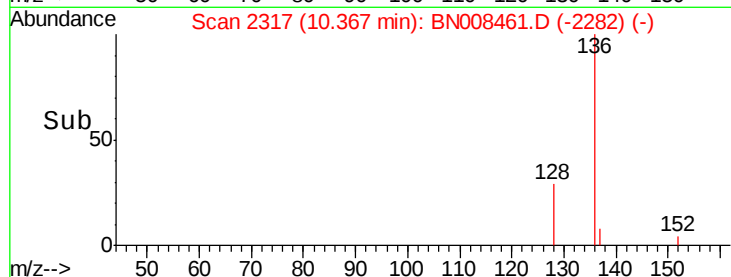
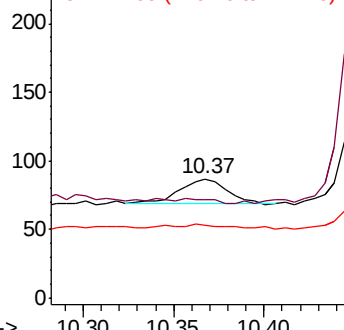
127 60.9 11.4 17.2#



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: 0.016 ng/ul

RT: 12.01 min Scan# 2615

Delta R.T. 0.00 min

Lab File: BN008461.D

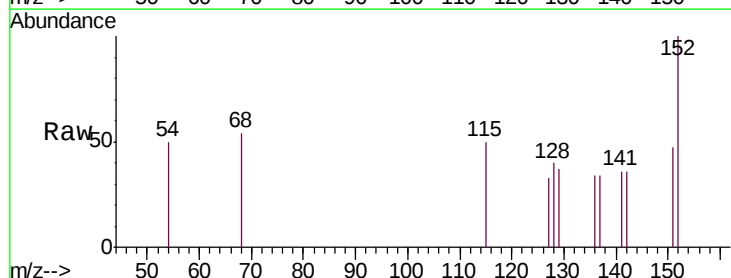
Acq: 05 Nov 2019 23:35

Tgt Ion:142 Resp: 12

Ion Ratio Lower Upper

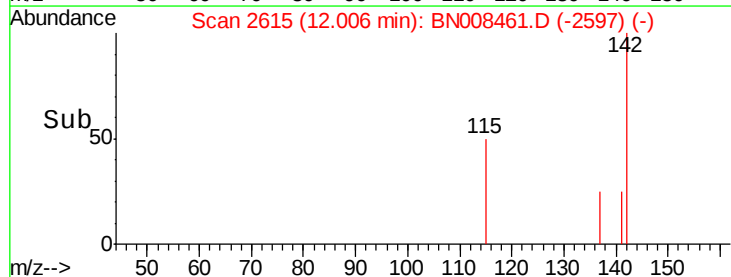
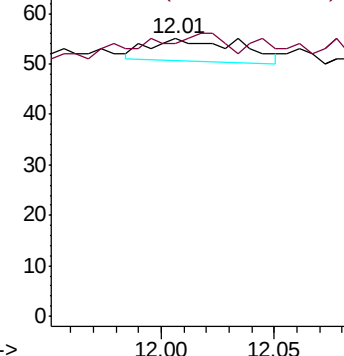
142 100

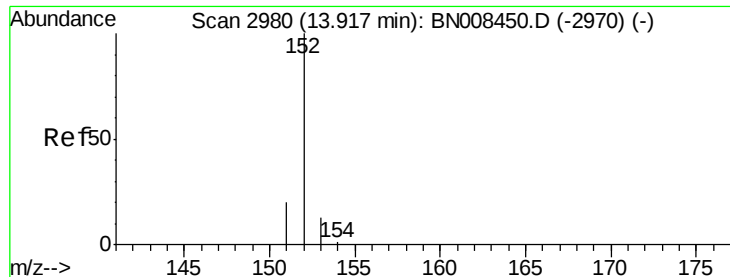
141 66.7 72.1 108.1#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.034 ng/ul

RT: 13.88 min Scan# 2971

Delta R.T. -0.04 min

Lab File: BN008461.D

Acq: 05 Nov 2019 23:35

Instrument :

BNA\_N

ClientSampleId :

SBLK65

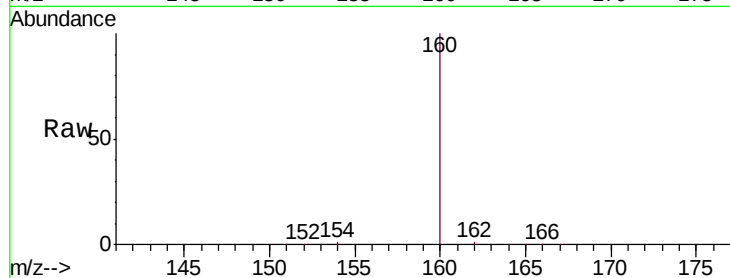
Tgt Ion:152 Resp: 59

Ion Ratio Lower Upper

152 100

151 67.1 16.6 25.0#

153 277.2 11.4 17.0#



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

400

300

200

100

0

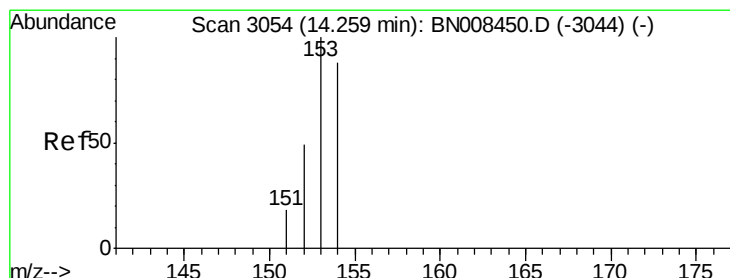
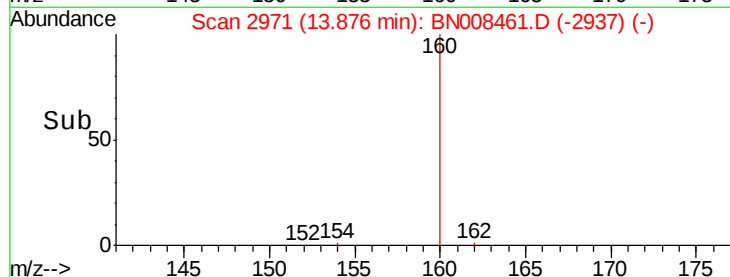
13.88

13.85

13.90

13.95

Time-->



#8

Acenaphthene

Concen: 0.017 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. -0.01 min

Lab File: BN008461.D

Acq: 05 Nov 2019 23:35

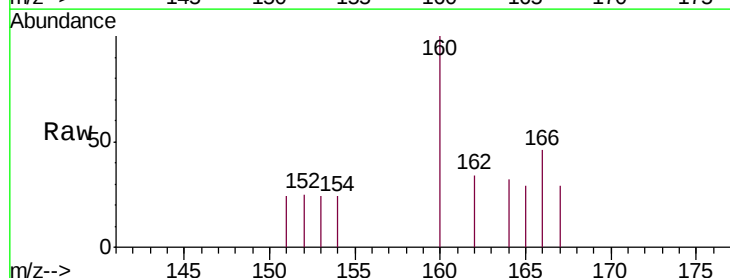
Tgt Ion:153 Resp: 2

Ion Ratio Lower Upper

153 100

152 103.8 40.2 60.2#

154 100.0 69.1 103.7



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

60

40

20

0

14.25

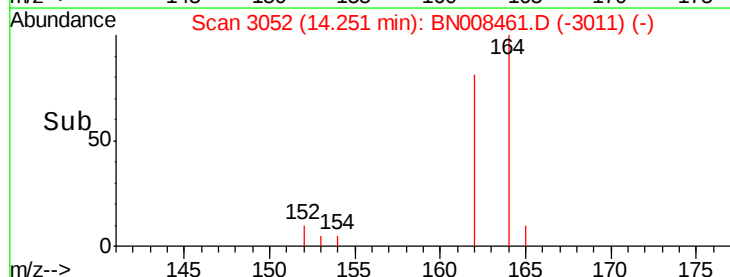
14.22

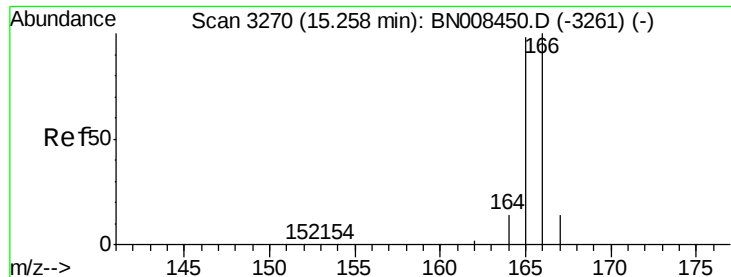
14.24

14.26

14.28

Time-->





#9

Fluorene

Concen: 0.098 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.06 min

Lab File: BN008461.D

Acq: 05 Nov 2019 23:35

Instrument :

BNA\_N

ClientSampleId :

SBLK65

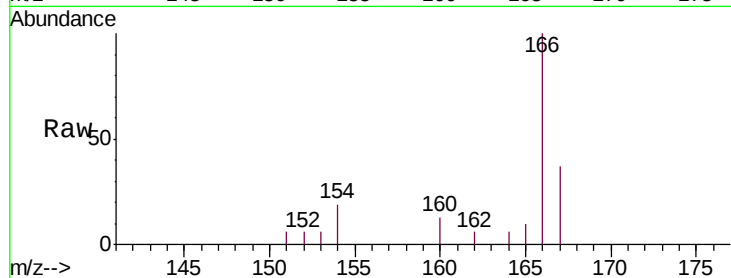
Tgt Ion:166 Resp: 1176

Ion Ratio Lower Upper

166 100

165 9.7 78.5 117.7#

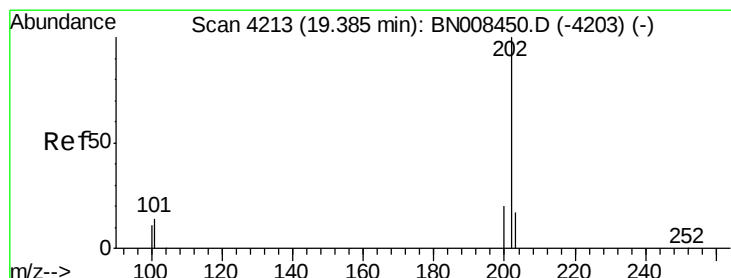
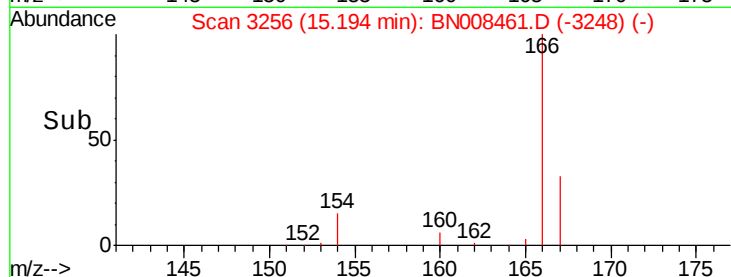
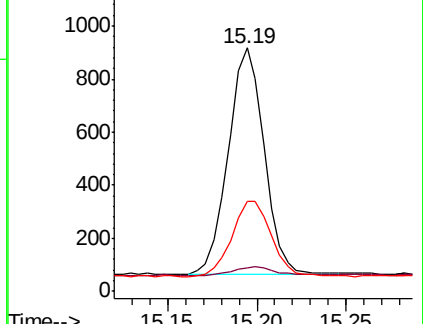
167 36.8 12.4 18.6#



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



#17

Pyrene

Concen: 0.030 ng/ul

RT: 19.35 min Scan# 4205

Delta R.T. -0.04 min

Lab File: BN008461.D

Acq: 05 Nov 2019 23:35

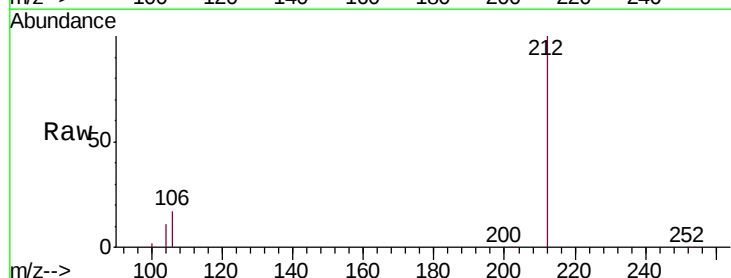
Tgt Ion:202 Resp: 1099

Ion Ratio Lower Upper

202 100

101 174.9 11.6 17.4#

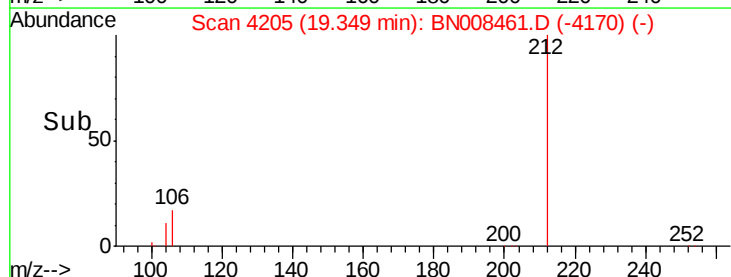
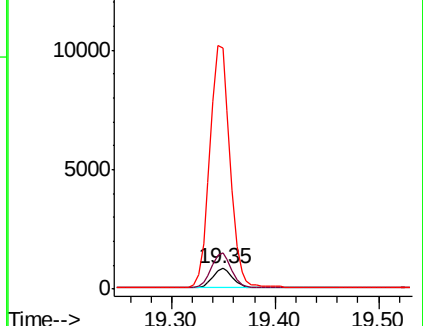
100 1176.0 9.4 14.0#

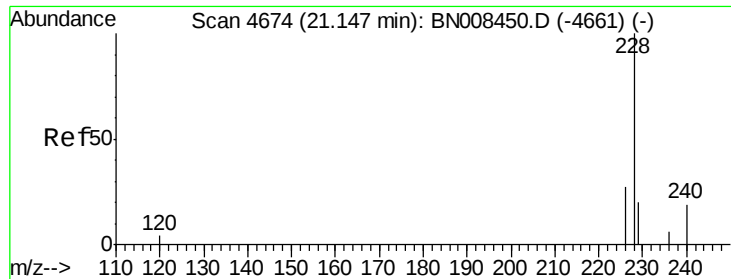


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#18

Benzo(a)anthracene

Concen: 0.028 ng/ul

RT: 21.16 min Scan# 4678

Delta R.T. 0.01 min

Lab File: BN008461.D

Acq: 05 Nov 2019 23:35

Instrument :

BNA\_N

ClientSampleId :

SBLK65

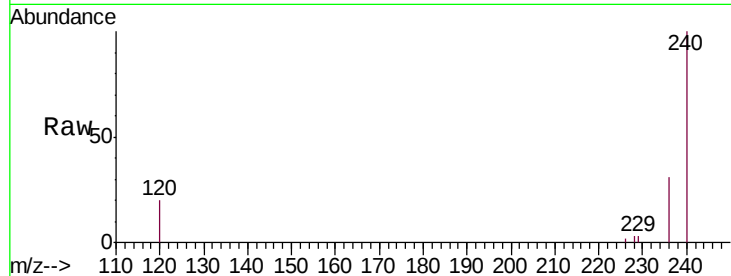
Tgt Ion:228 Resp: 26

Ion Ratio Lower Upper

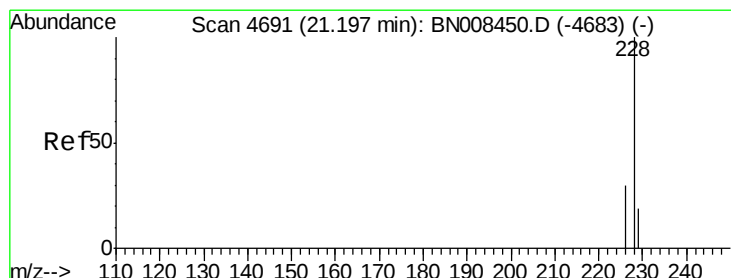
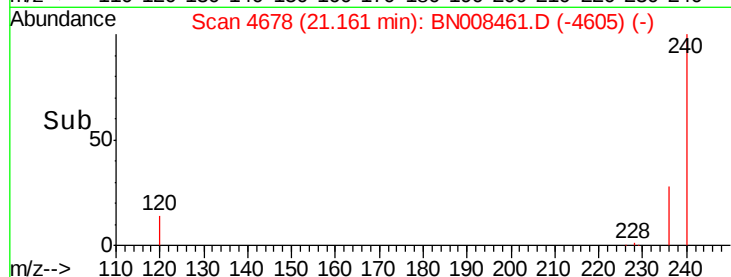
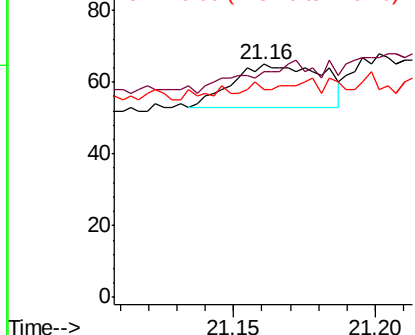
228 100

229 96.9 16.8 25.2#

226 89.2 22.1 33.1#



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 229.00 (228.70 to 229.70): E  
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: Below Cal

RT: 21.20 min Scan# 4692

Delta R.T. 0.00 min

Lab File: BN008461.D

Acq: 05 Nov 2019 23:35

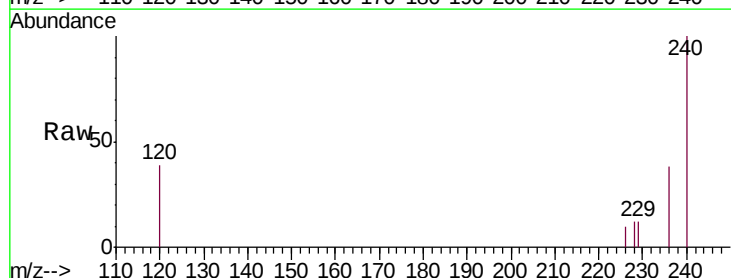
Tgt Ion:228 Resp: 23

Ion Ratio Lower Upper

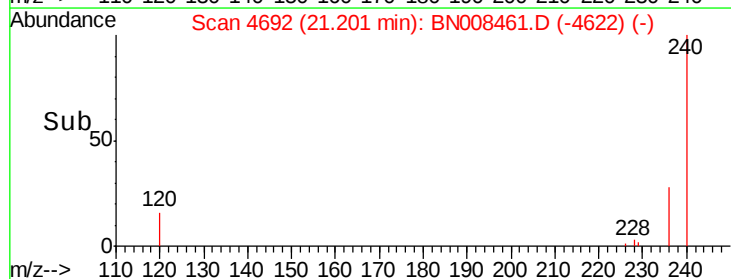
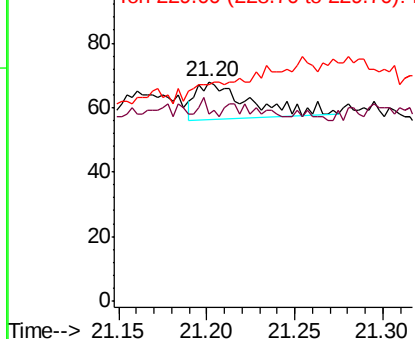
228 100

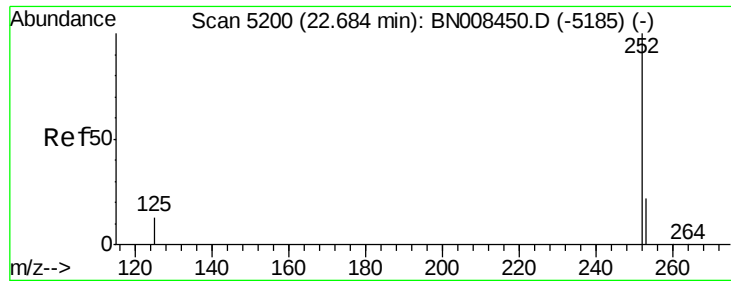
226 85.3 24.6 37.0#

229 98.5 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





#21

Benzo(b)fluoranthene

Concen: 0.025 ng/u1

RT: 22.69 min Scan# 5200

Delta R.T. 0.00 min

Lab File: BN008461.D

Acq: 05 Nov 2019 23:35

Instrument :

BNA\_N

ClientSampleId :

SBLK65

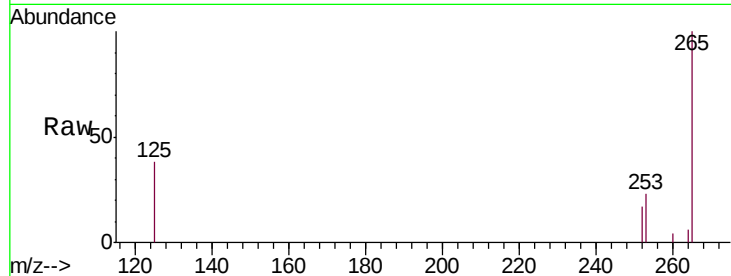
Tgt Ion:252 Resp: 52

Ion Ratio Lower Upper

252 100

253 131.6 0.0 59.6#

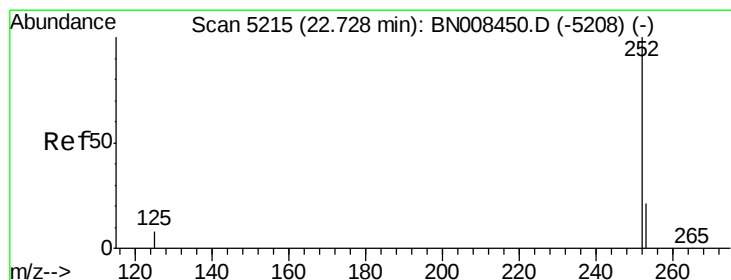
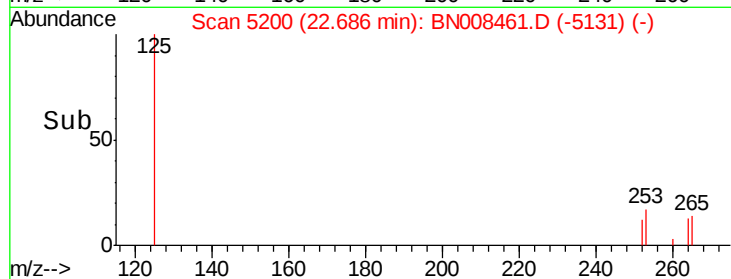
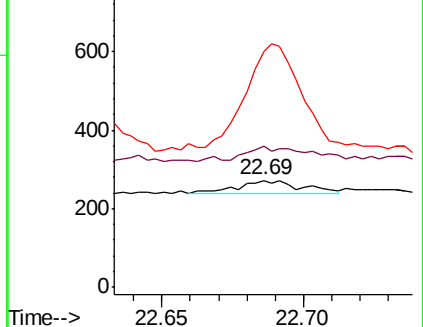
125 220.6 0.0 40.0#



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: 0.018 ng/u1

RT: 22.72 min Scan# 5210

Delta R.T. -0.01 min

Lab File: BN008461.D

Acq: 05 Nov 2019 23:35

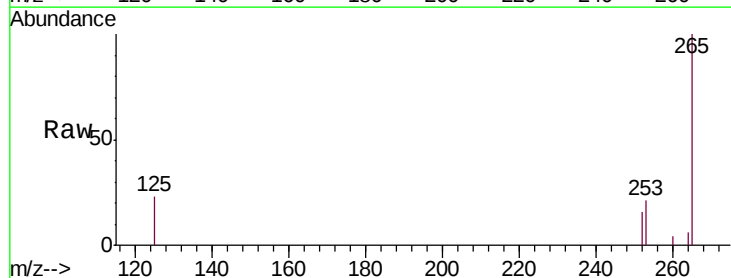
Tgt Ion:252 Resp: 12

Ion Ratio Lower Upper

252 100

253 129.2 24.3 36.5#

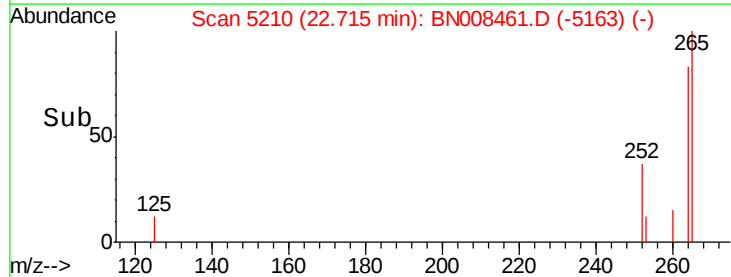
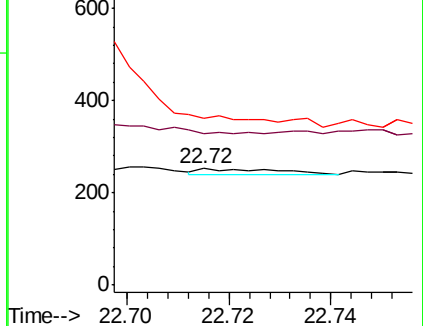
125 143.1 15.8 23.8#

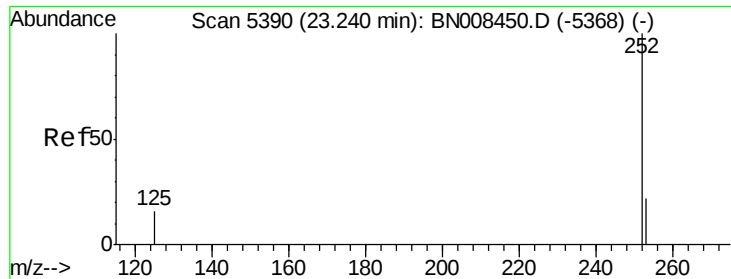


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.072 ng/u1

RT: 23.18 min Scan# 5370

Delta R.T. -0.06 min

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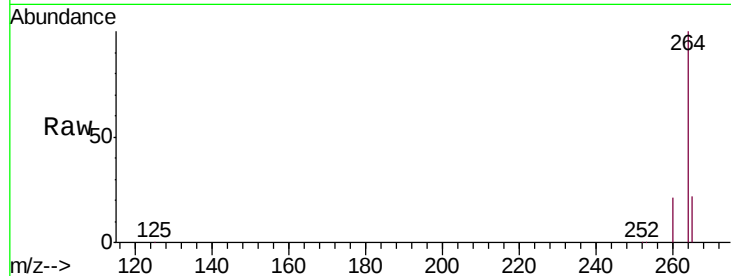
Tgt Ion:252 Resp: 1770

Ion Ratio Lower Upper

252 100

253 47.6 26.7 40.1#

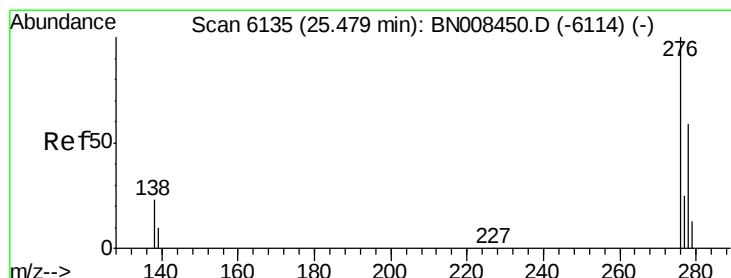
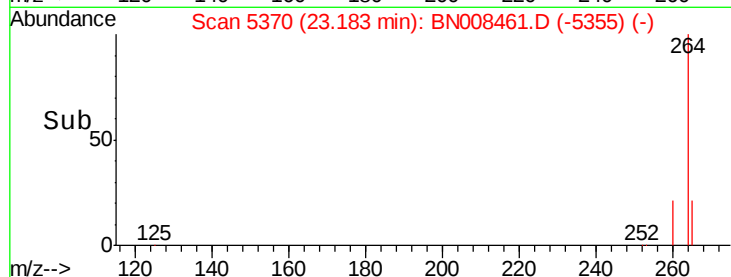
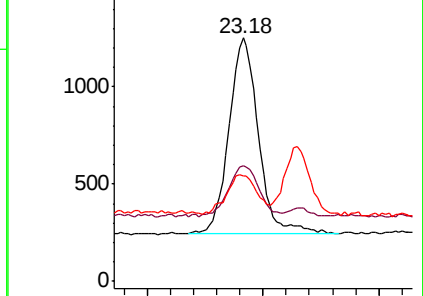
125 43.1 20.6 30.8#



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: 0.004 ng/u1

RT: 25.46 min Scan# 6130

Delta R.T. -0.01 min

Lab File: BN008461.D

Acq: 05 Nov 2019 23:35

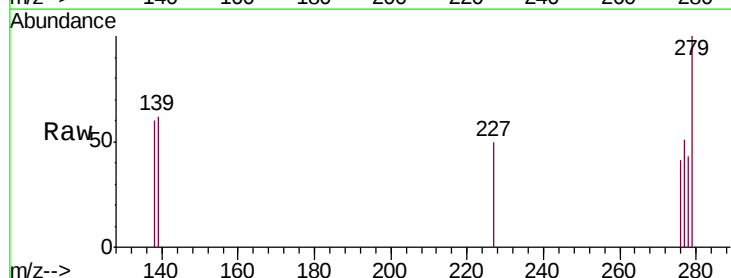
Tgt Ion:276 Resp: 3

Ion Ratio Lower Upper

276 100

138 0.0 19.4 29.0#

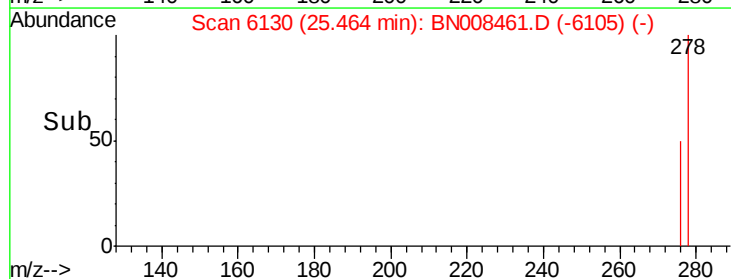
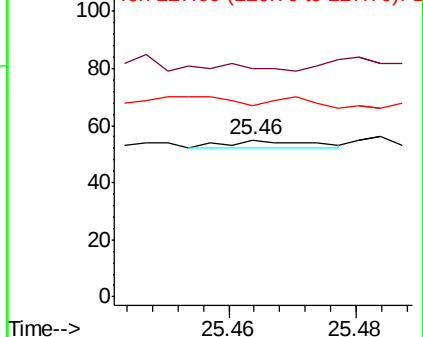
227 66.7 0.2 0.2#

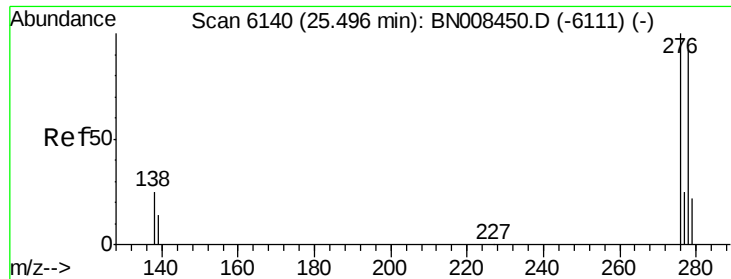


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

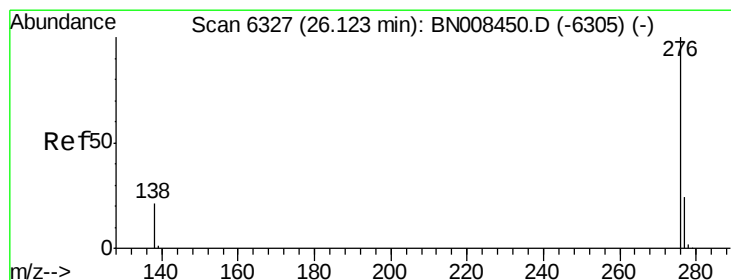
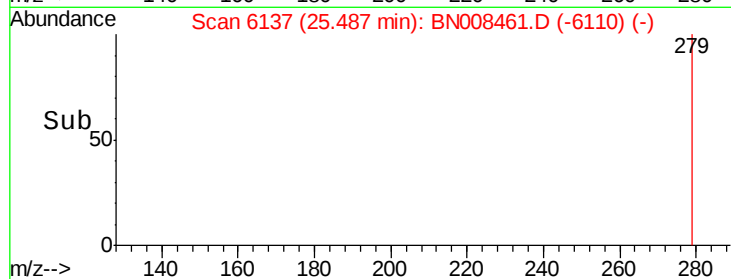
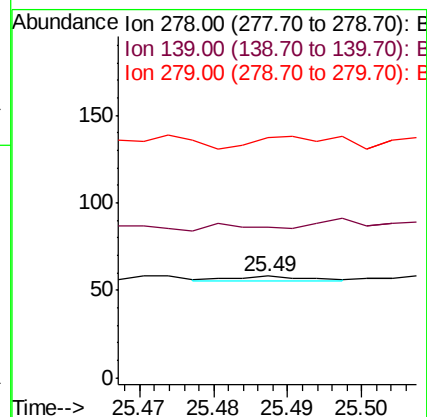
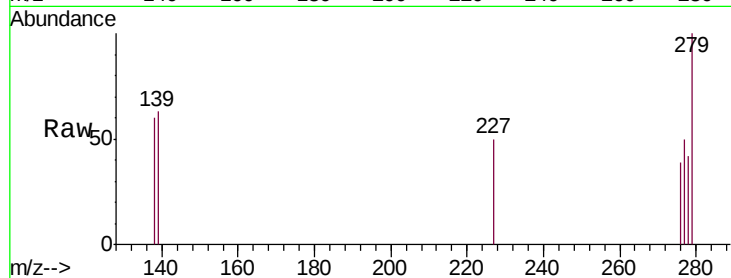




#25  
Dibenzo(a,h)anthracene  
Concen: 0.009 ng/ul  
RT: 25.49 min Scan# 6137  
Delta R.T. -0.01 min  
Lab File: BN008461.D  
Acq: 05 Nov 2019 23:35

Instrument :  
BNA\_N  
ClientSampleId :  
SBLK65

Tgt Ion: 278 Resp: 2  
Ion Ratio Lower Upper  
278 100  
139 148.3 17.8 26.6#  
279 236.2 26.6 40.0#



#26  
Benzo(g,h,i)perylene  
Concen: Below Cal  
RT: 26.11 min Scan# 6324  
Delta R.T. -0.01 min  
Lab File: BN008461.D  
Acq: 05 Nov 2019 23:35

Tgt Ion: 276 Resp: 3  
Ion Ratio Lower Upper  
276 100  
138 149.1 19.9 29.9#  
277 127.3 20.9 31.3#

