

Data File : BN008452.D  
Acq On : 05 Nov 2019 18:13  
Operator : JU  
Sample : K5567-02  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
JLNB9

Quant Time: Nov 06 00:59:10 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  | 1363     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.32 | 136  | 5969     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.20 | 164  | 3543     | 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  | 5513     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.32 | 264  | 6684     | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 11.92 | 152  | 2659     | 0.29 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 18.99 | 212  | 8499     | 0.00 | ng/ul | 0.00     |

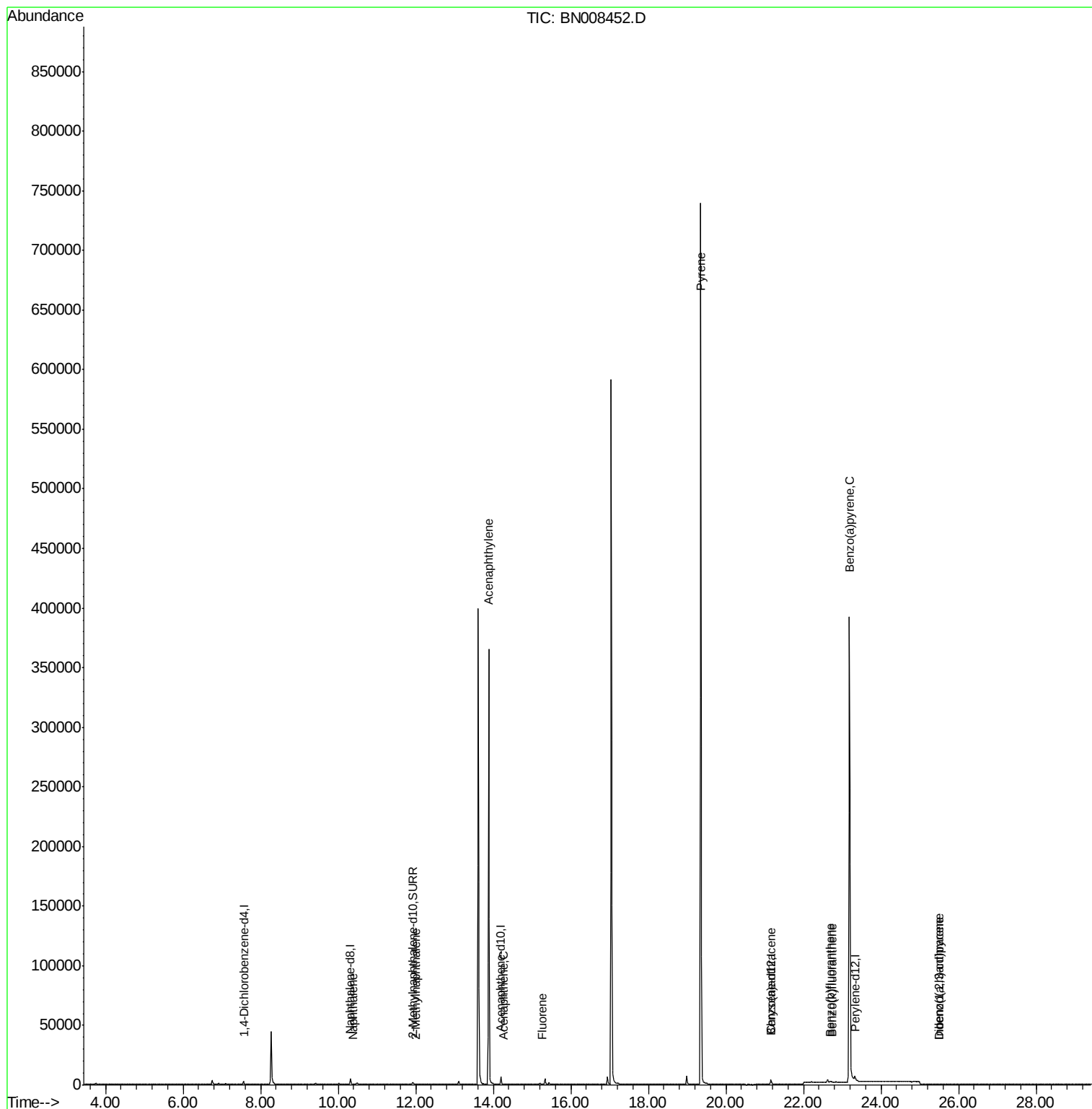
| Target Compounds           | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|----------------------------|-------|------|----------|-----------|--------|--------|
| 3) Naphthalene             | 10.37 | 128  | 187      | 0.011     | ng/ul# | 33     |
| 5) 2-Methylnaphthalene     | 12.00 | 142  | 136      | 0.027     | ng/ul  | 93     |
| 7) Acenaphthylene          | 13.88 | 152  | 55       | 0.034     | ng/ul# | 1      |
| 8) Acenaphthene            | 14.26 | 153  | 14       | 0.018     | ng/ul# | 66     |
| 9) Fluorene                | 15.25 | 166  | 36       | 0.032     | ng/ul# | 82     |
| 17) Pyrene                 | 19.35 | 202  | 1186     | 0.033     | ng/ul# | 1      |
| 18) Benzo(a)anthracene     | 21.15 | 228  | 76       | 0.031     | ng/ul# | 1      |
| 19) Chrysene               | 21.20 | 228  | 92       | Below Cal | #      | 10     |
| 21) Benzo(b)fluoranthene   | 22.69 | 252  | 120      | 0.028     | ng/ul# | 1      |
| 22) Benzo(k)fluoranthene   | 22.73 | 252  | 53       | 0.020     | ng/ul# | 1      |
| 23) Benzo(a)pyrene         | 23.19 | 252  | 1794     | 0.077     | ng/ul# | 66     |
| 24) Indeno(1,2,3-cd)pyrene | 25.48 | 276  | 75       | 0.006     | ng/ul# | 51     |
| 25) Dibenzo(a,h)anthracene | 25.50 | 278  | 51       | 0.011     | ng/ul# | 1      |
| 26) Benzo(g,h,i)perylene   | 26.15 | 276  | 77       | Below Cal | #      | 1      |

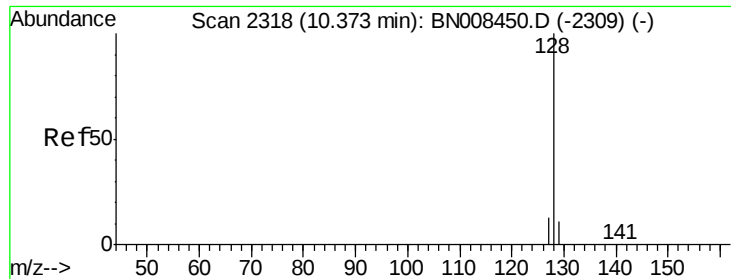
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.011 ng/ul

RT: 10.37 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

Instrument :

BNA\_N

ClientSampleId :

JLNB9

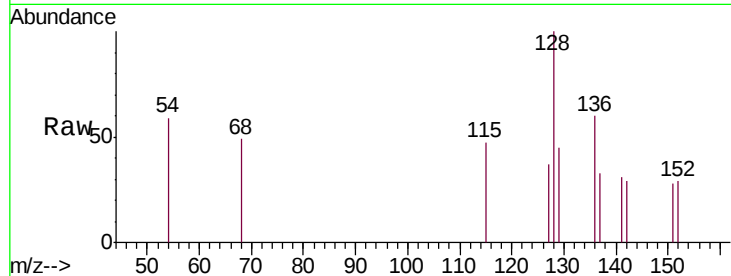
Tgt Ion:128 Resp: 187

Ion Ratio Lower Upper

128 100

129 44.6 10.2 15.2#

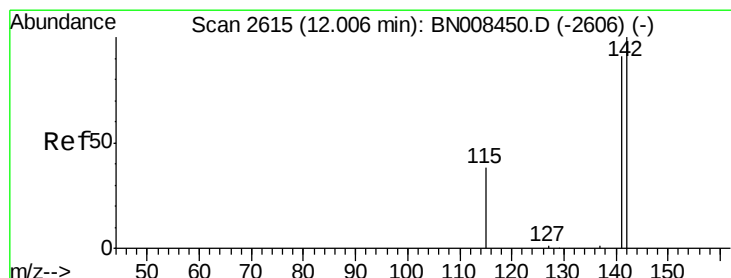
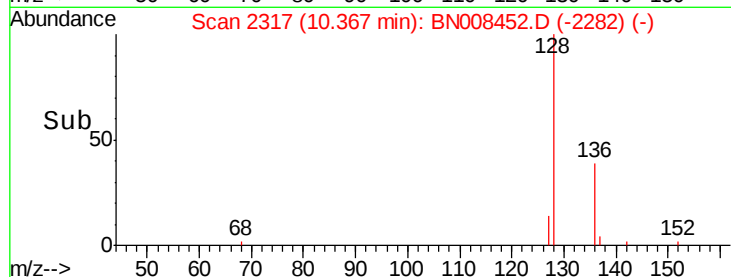
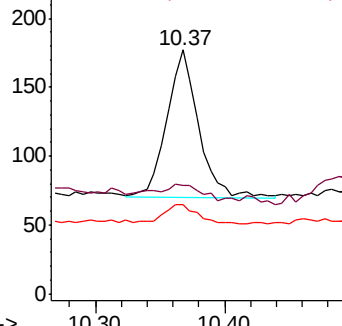
127 36.7 11.4 17.2#



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: 0.027 ng/ul

RT: 12.00 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BN008452.D

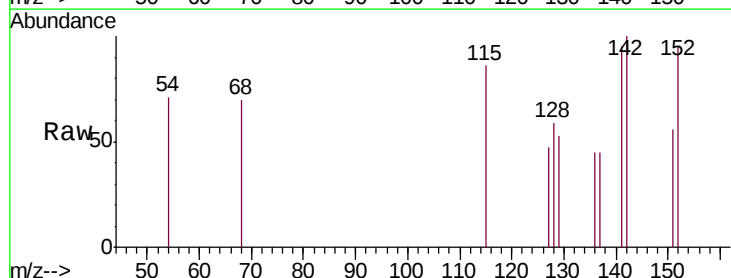
Acq: 05 Nov 2019 18:13

Tgt Ion:142 Resp: 136

Ion Ratio Lower Upper

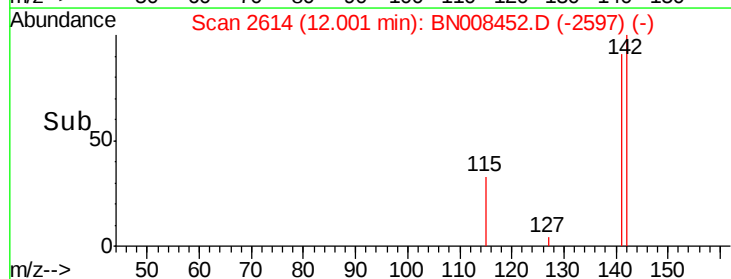
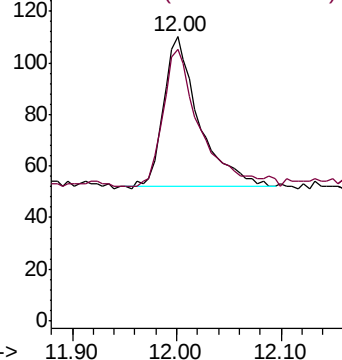
142 100

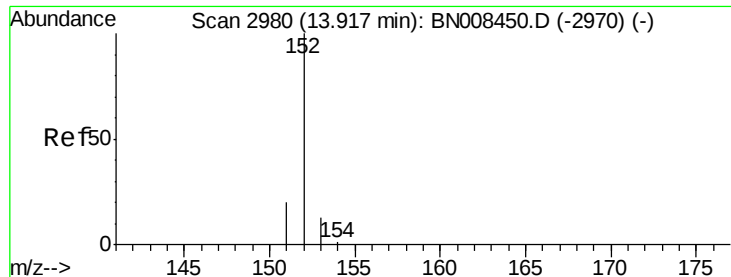
141 97.1 72.1 108.1



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# 2972

Delta R.T. -0.04 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

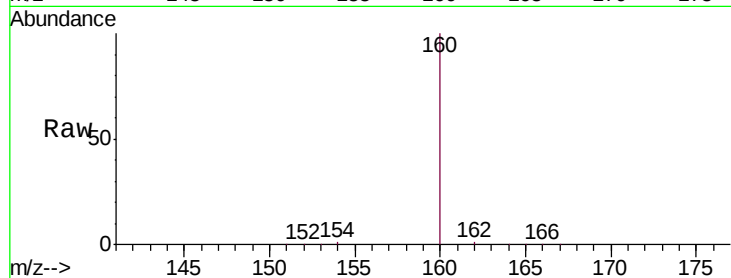
Instrument :

BNA\_N

ClientSampleId :

JLNB9

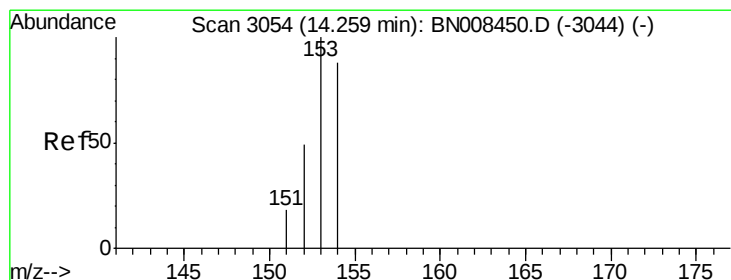
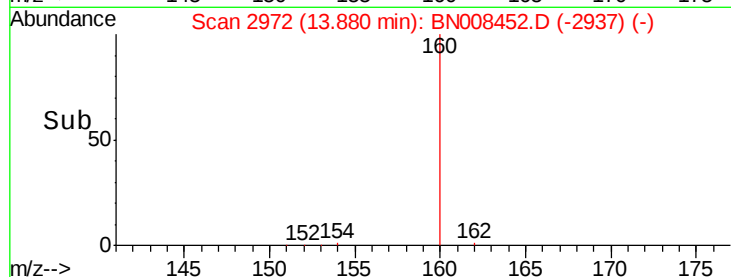
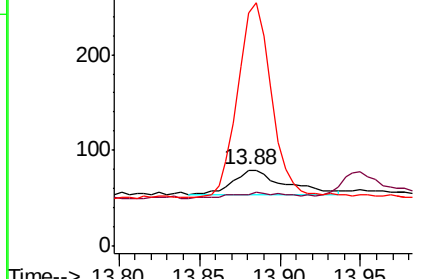
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 55    |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 68.4  | 16.6  | 25.0# |
| 153       | 308.9 | 11.4  | 17.0# |



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



#8

Acenaphthene

Concen: 0.018 ng/ul

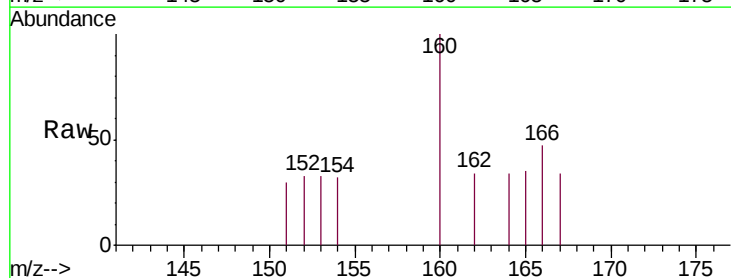
RT: 14.26 min Scan# 3054

Delta R.T. 0.00 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

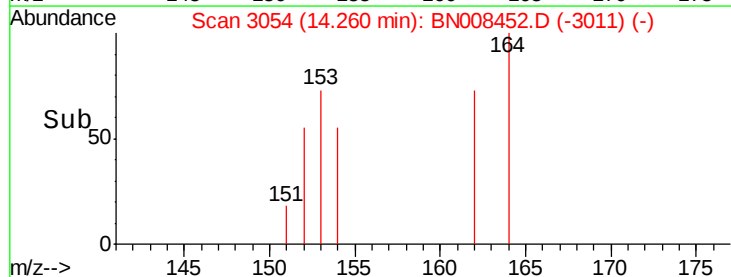
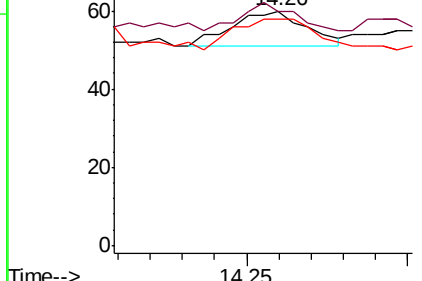
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 14    |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 100.0 | 40.2  | 60.2# |
| 154       | 96.7  | 69.1  | 103.7 |

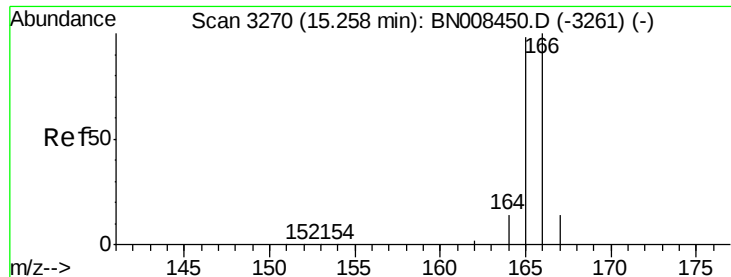


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.032 ng/ul

RT: 15.25 min Scan# 3268

Delta R.T. -0.01 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

Instrument :

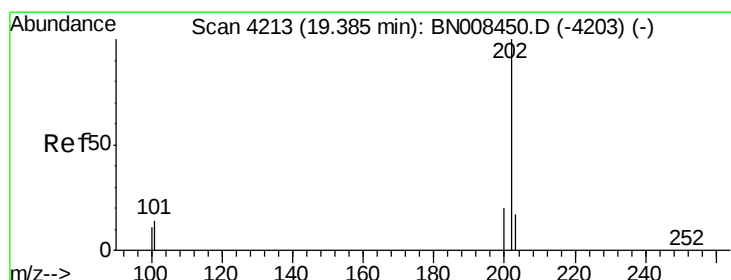
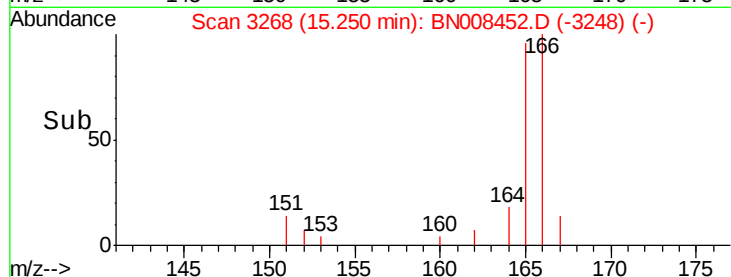
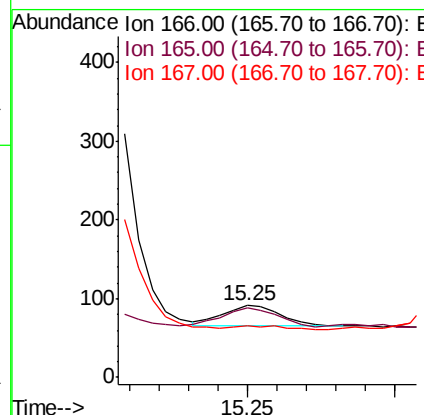
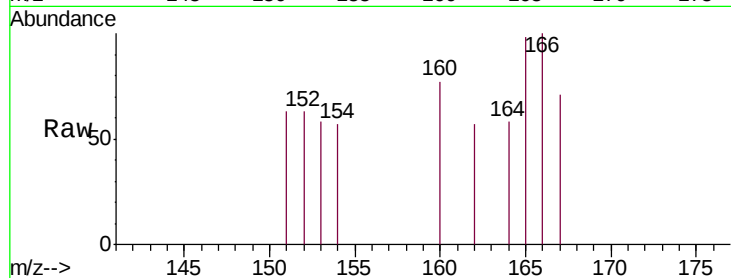
BNA\_N

ClientSampleId :

JLNB9

Tgt Ion:166 Resp: 36

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 97.8  | 78.5  | 117.7 |
| 167 | 71.4  | 12.4  | 18.6# |



#17

Pyrene

Concen: 0.033 ng/ul

RT: 19.35 min Scan# 4206

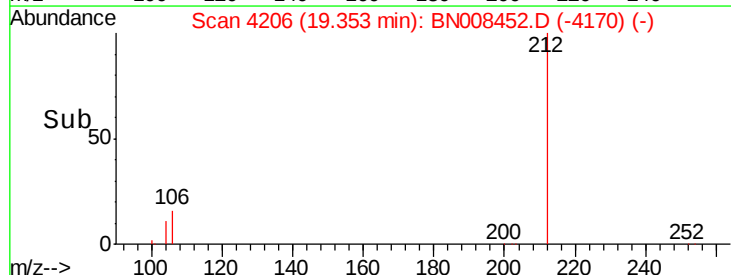
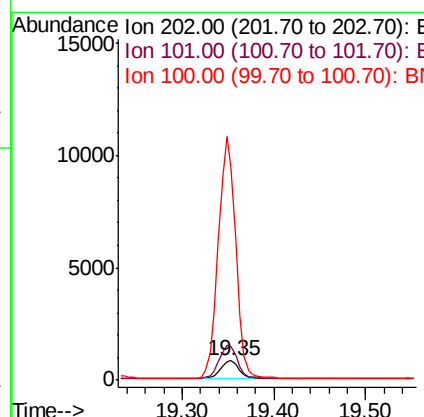
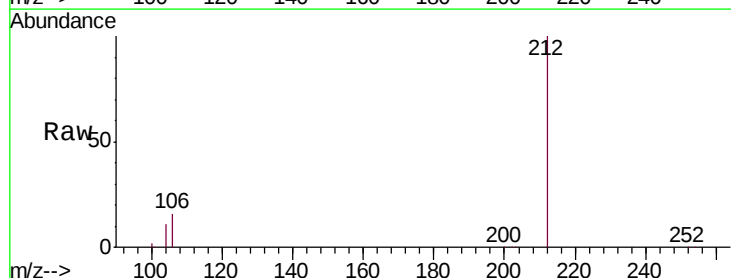
Delta R.T. -0.03 min

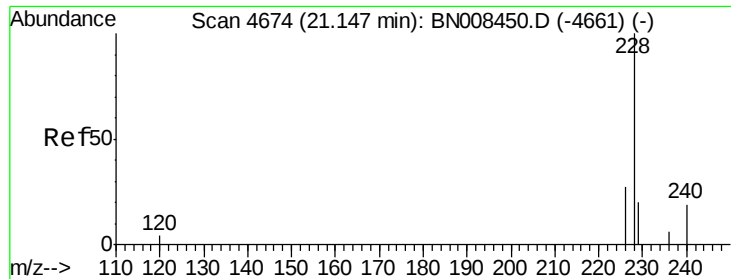
Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

Tgt Ion:202 Resp: 1186

| Ion | Ratio  | Lower | Upper |
|-----|--------|-------|-------|
| 202 | 100    |       |       |
| 101 | 173.7  | 11.6  | 17.4# |
| 100 | 1114.3 | 9.4   | 14.0# |





#18

Benzo(a)anthracene

Concen: 0.031 ng/ul

RT: 21.15 min Scan# 4674

Delta R.T. 0.00 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

Instrument :

BNA\_N

ClientSampleId :

JLNB9

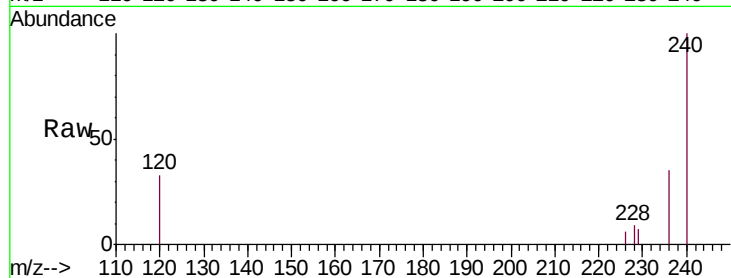
Tgt Ion:228 Resp: 76

Ion Ratio Lower Upper

228 100

229 78.3 16.8 25.2#

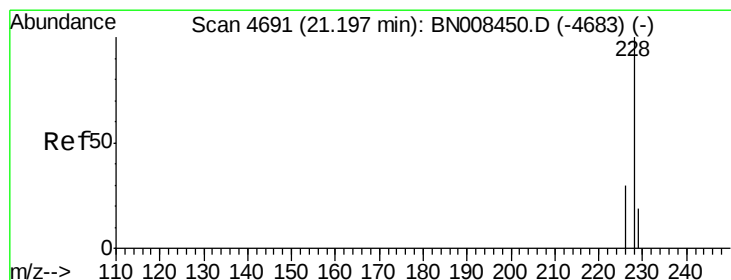
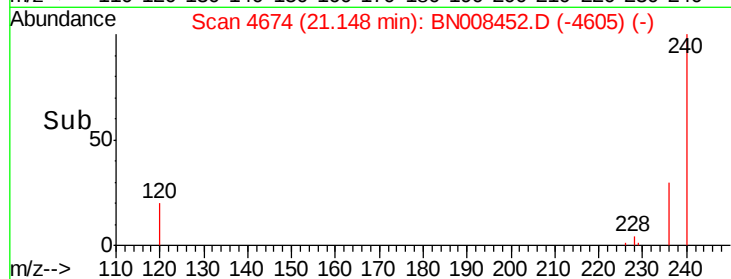
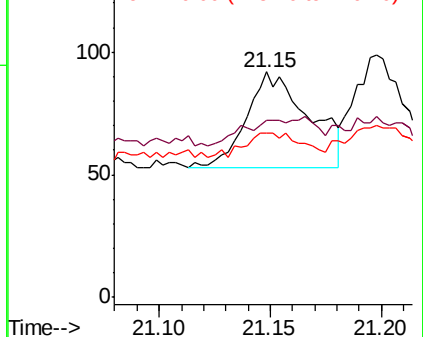
226 72.8 22.1 33.1#



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# 4691

Delta R.T. 0.00 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

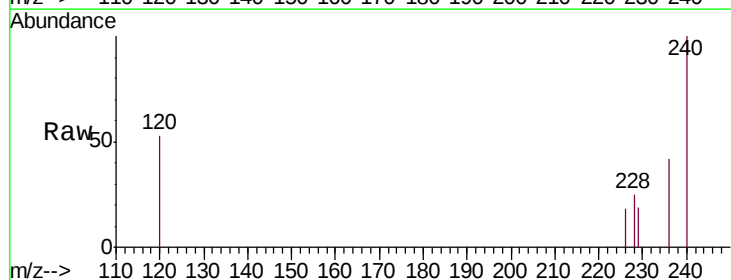
Tgt Ion:228 Resp: 92

Ion Ratio Lower Upper

228 100

226 70.7 24.6 37.0#

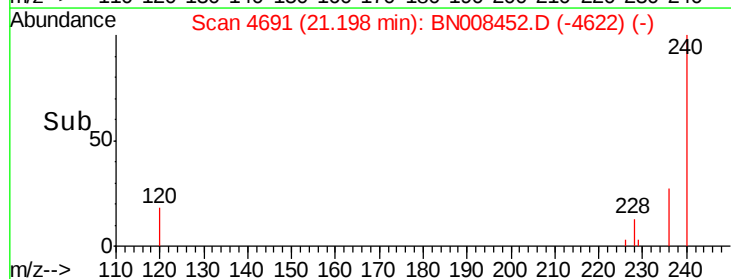
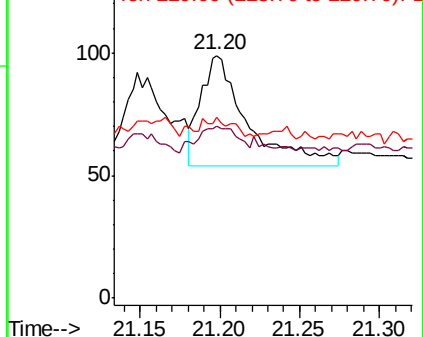
229 74.7 16.6 24.8#

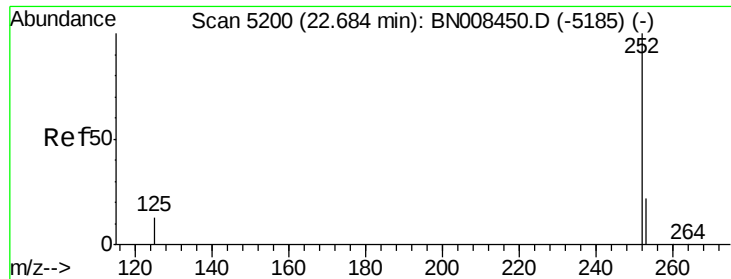


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.028 ng/ul

RT: 22.69 min Scan# 5200

Delta R.T. 0.00 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

Instrument :

BNA\_N

ClientSampleId :

JLNB9

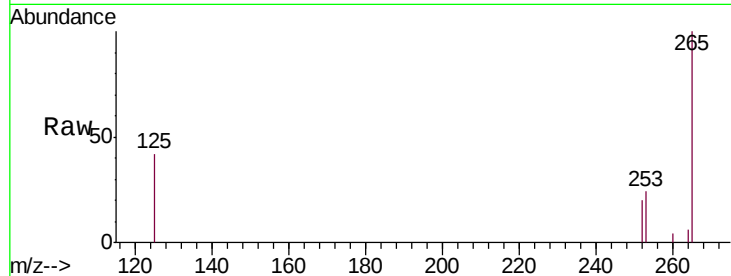
Tgt Ion:252 Resp: 120

Ion Ratio Lower Upper

252 100

253 121.2 0.0 59.6#

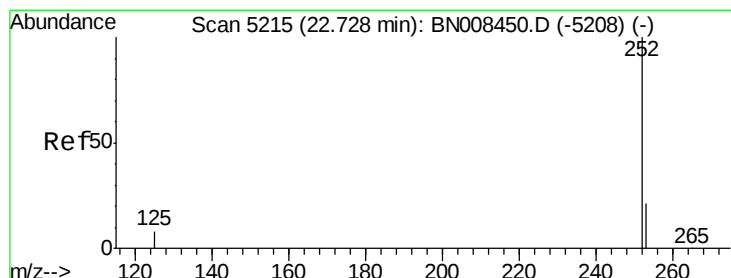
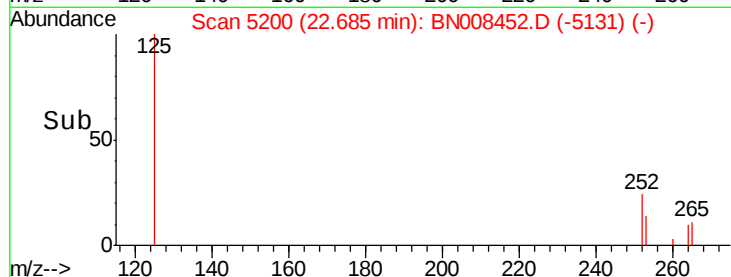
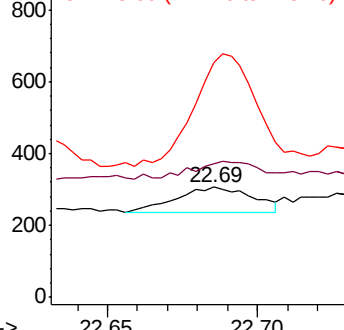
125 213.0 0.0 40.0#



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: 0.020 ng/ul

RT: 22.73 min Scan# 5214

Delta R.T. -0.00 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

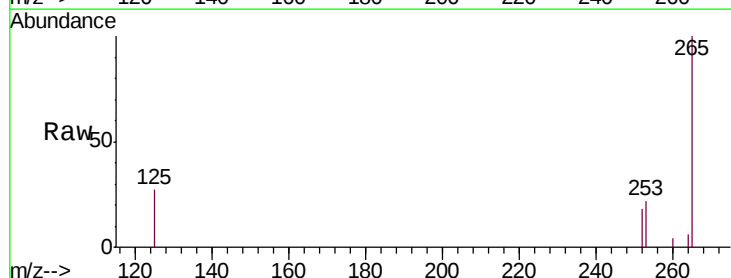
Tgt Ion:252 Resp: 53

Ion Ratio Lower Upper

252 100

253 121.5 24.3 36.5#

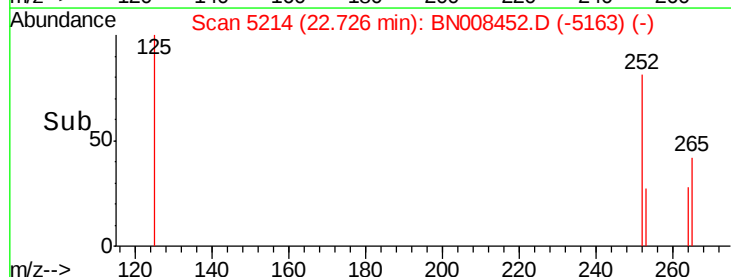
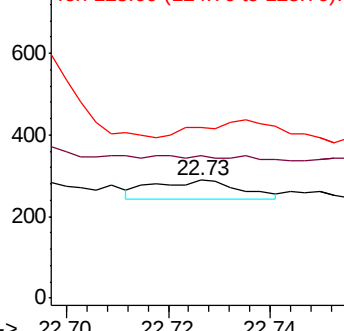
125 144.6 15.8 23.8#

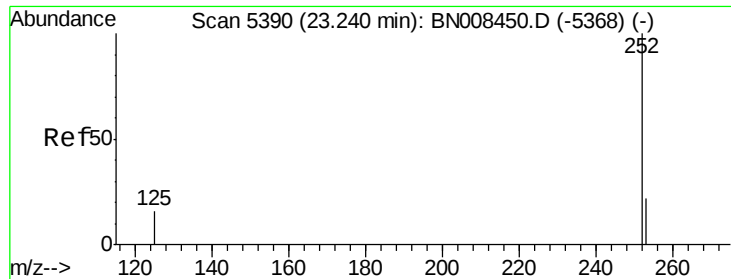


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.077 ng/u1

RT: 23.19 min Scan# 5371

Delta R.T. -0.05 min

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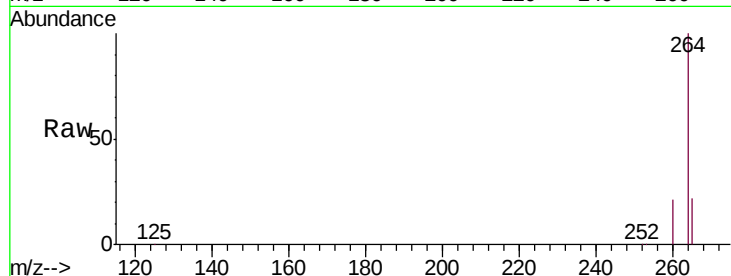
Tgt Ion:252 Resp: 1794

Ion Ratio Lower Upper

252 100

253 49.4 26.7 40.1#

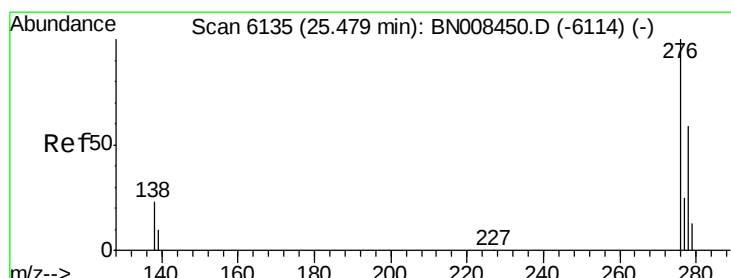
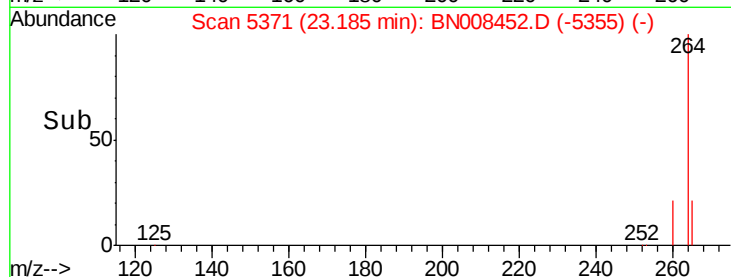
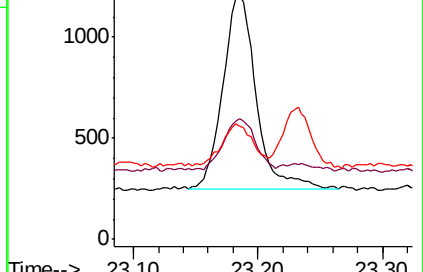
125 46.6 20.6 30.8#



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: 0.006 ng/u1

RT: 25.48 min Scan# 6136

Delta R.T. 0.00 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

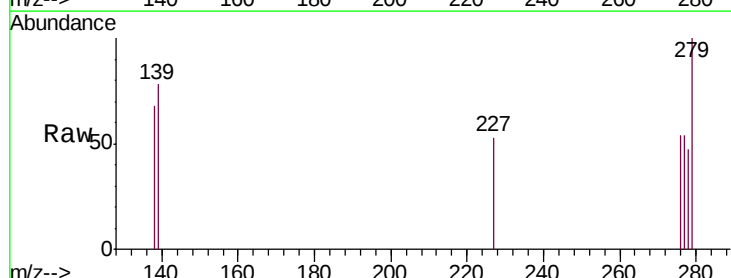
Tgt Ion:276 Resp: 75

Ion Ratio Lower Upper

276 100

138 0.0 19.4 29.0#

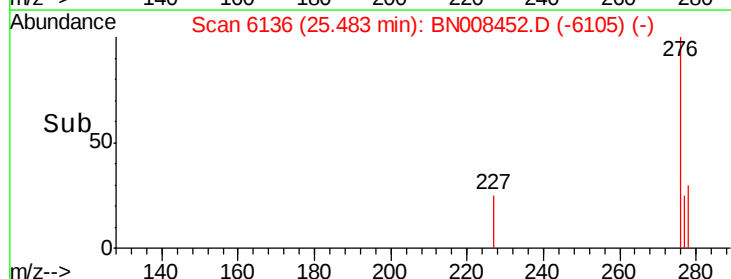
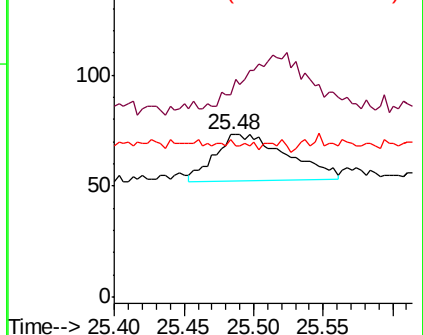
227 2.7 0.2 0.2#

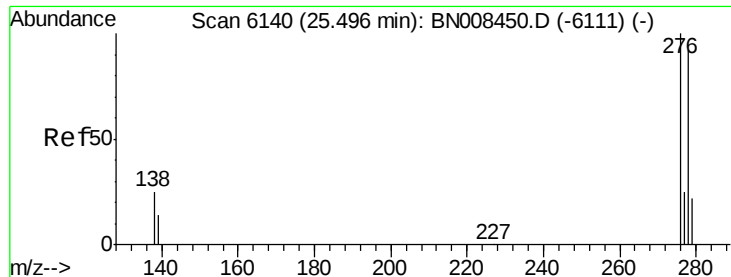


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.011 ng/ul

RT: 25.50 min Scan# 6140

Delta R.T. 0.00 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

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JLNB9

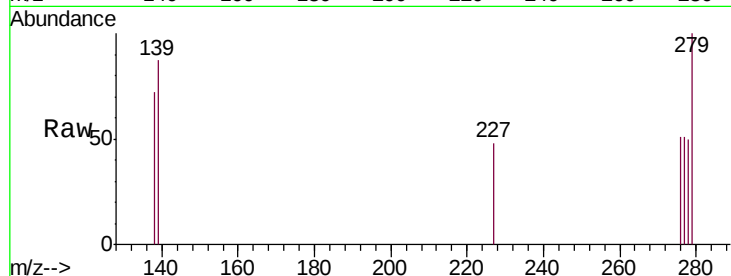
Tgt Ion: 278 Resp: 51

Ion Ratio Lower Upper

278 100

139 173.2 17.8 26.6#

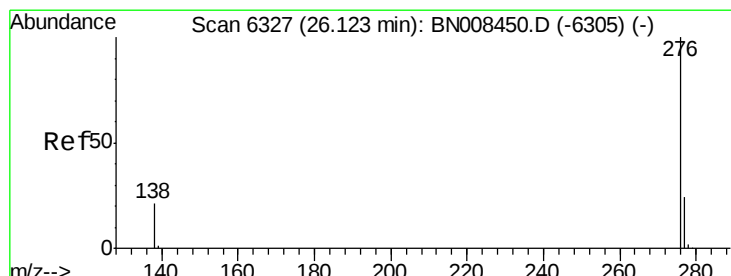
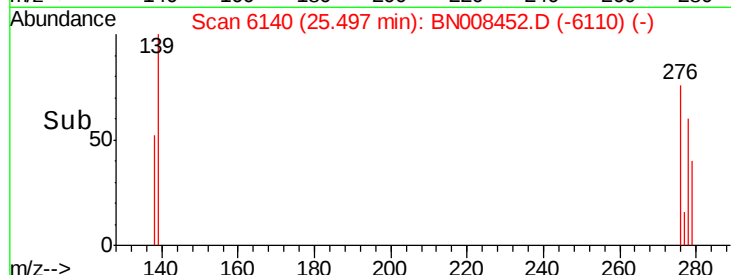
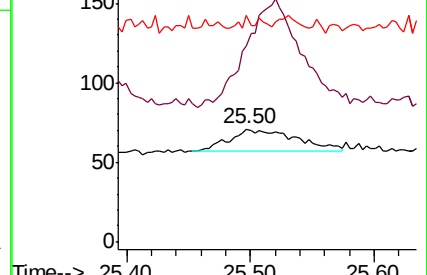
279 200.0 26.6 40.0#



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: Below Cal

RT: 26.15 min Scan# 6334

Delta R.T. 0.02 min

Lab File: BN008452.D

Acq: 05 Nov 2019 18:13

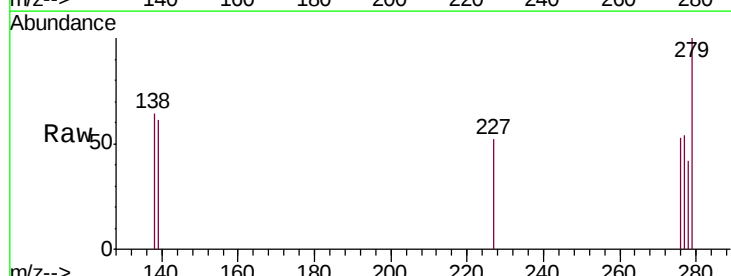
Tgt Ion: 276 Resp: 77

Ion Ratio Lower Upper

276 100

138 120.8 19.9 29.9#

277 102.8 20.9 31.3#



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

