

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\  
 Data File : BN009248.D  
 Acq On : 29 Dec 2019 03:04  
 Operator : JU  
 Sample : K6278-15  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Dec 29 05:42:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Dec 29 04:38:59 2019  
 Response via : Initial Calibration

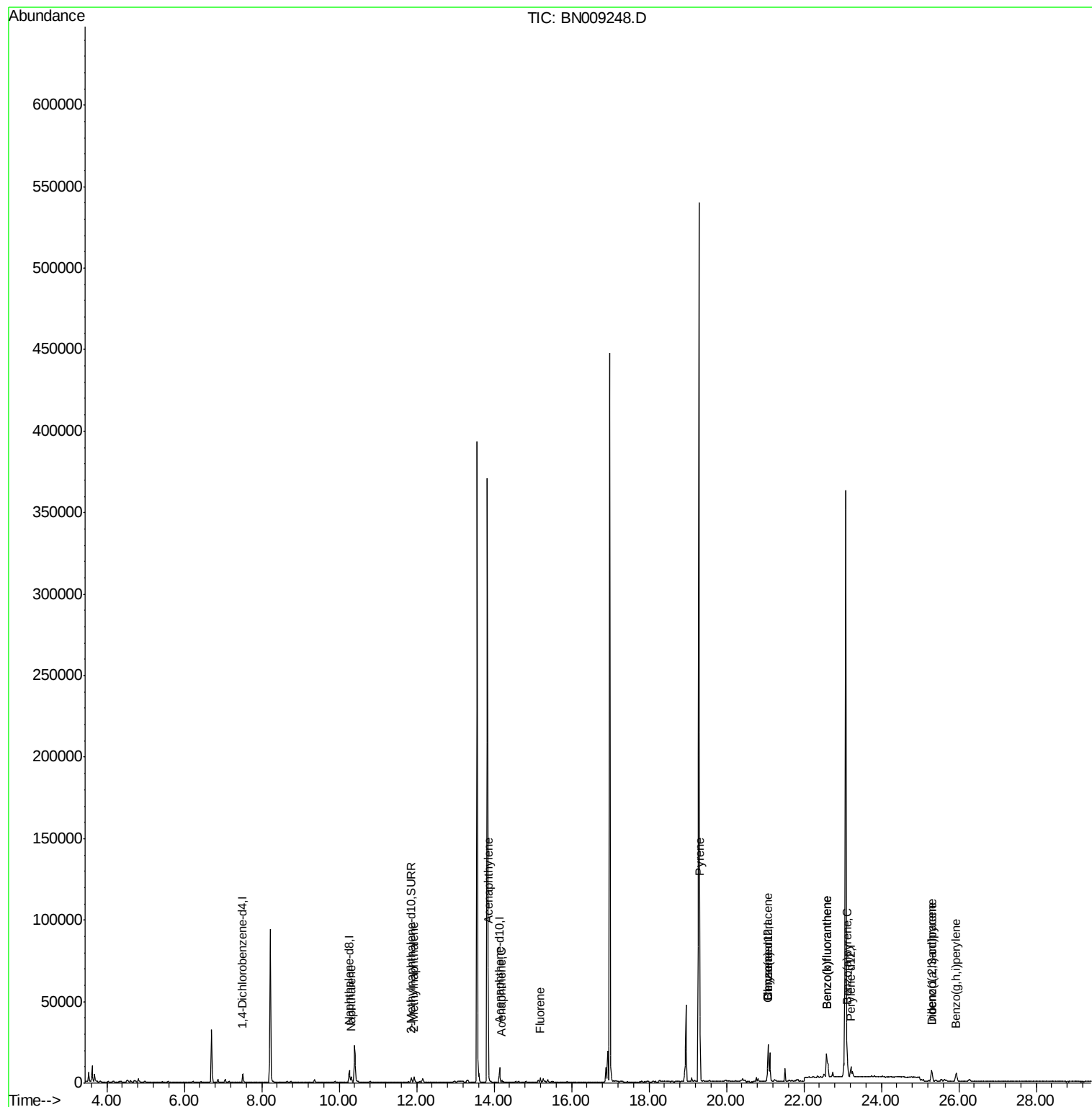
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.51  | 152  | 2508     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.26 | 136  | 9056     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.14 | 164  | 4785     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 0.00  | 188  | 0        | 0.00   | ng/ul  | -16.89   |
| 16) Chrysene-d12            | 21.08 | 240  | 7666     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.21 | 264  | 7843     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.86 | 152  | 3250     | 0.20   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.92 | 212  | 6201     | 0.00   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.31 | 128  | 4669     | 0.170  | ng/ul  | 96       |
| 5) 2-Methylnaphthalene      | 11.93 | 142  | 2496     | 0.120  | ng/ul  | 100      |
| 7) Acenaphthylene           | 13.85 | 152  | 4343     | 0.173  | ng/ul  | 95       |
| 8) Acenaphthene             | 14.20 | 153  | 651      | 0.033  | ng/ul  | 95       |
| 9) Fluorene                 | 15.19 | 166  | 1637     | 0.070  | ng/ul# | 96       |
| 17) Pyrene                  | 19.31 | 202  | 32110    | 0.821  | ng/ul  | 98       |
| 18) Benzo(a)anthracene      | 21.07 | 228  | 17712    | 0.520  | ng/ul  | 94       |
| 19) Chrysene                | 21.07 | 228  | 17722    | 0.518  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.58 | 252  | 29814    | 0.814  | ng/ul  | 95       |
| 22) Benzo(k)fluoranthene    | 22.58 | 252  | 29814    | 0.807  | ng/ul  | 96       |
| 23) Benzo(a)pyrene          | 23.12 | 252  | 14352    | 0.447  | ng/ul  | 95       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.30 | 276  | 10100    | 0.289  | ng/ul# | 88       |
| 25) Dibenzo(a,h)anthracene  | 25.30 | 278  | 2621     | 0.094  | ng/ul# | 63       |
| 26) Benzo(g,h,i)perylene    | 25.93 | 276  | 10094    | 0.343  | ng/ul  | 98       |

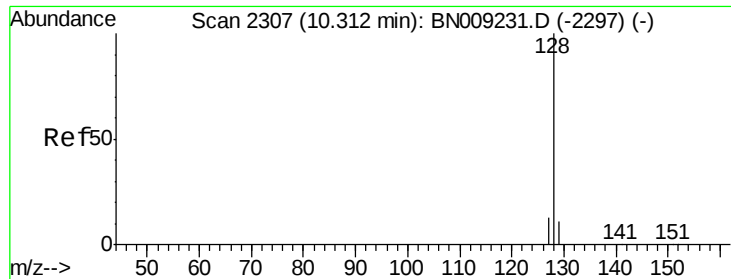
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\  
Data File : BN009248.D  
Acq On : 29 Dec 2019 03:04  
Operator : JU  
Sample : K6278-15  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Dec 29 05:42:11 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Dec 29 04:38:59 2019  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.170 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

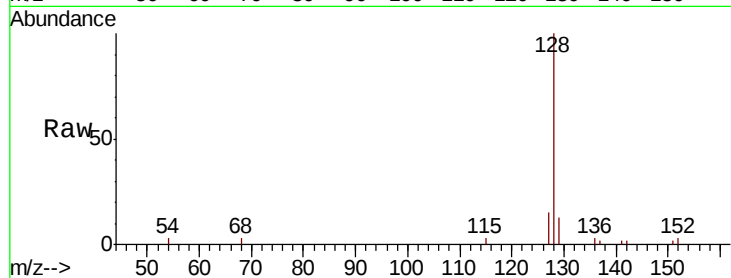
Instrument :

BNA\_N

ClientSampleId :

Tot Ion:128 Resp: 4669

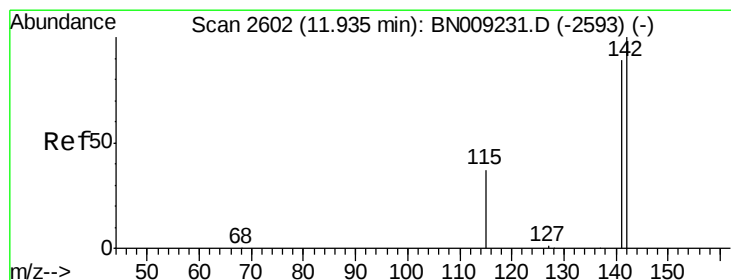
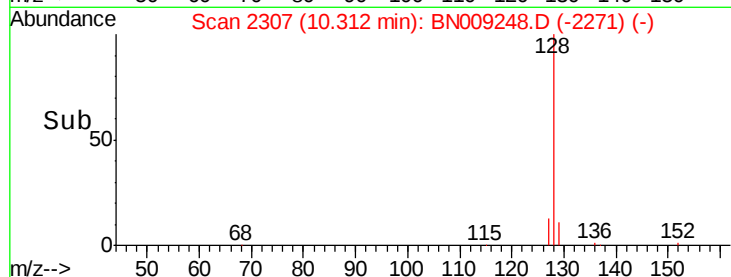
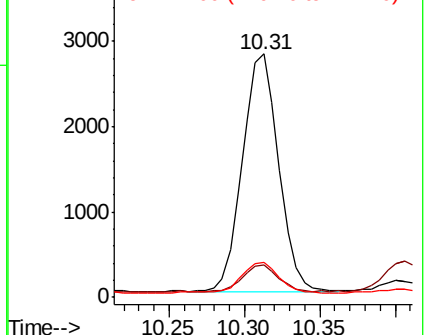
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 13.1  | 9.0   | 13.4  |
| 127 | 14.5  | 10.9  | 16.3  |



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: 0.120 ng/ul

RT: 11.93 min Scan# 2602

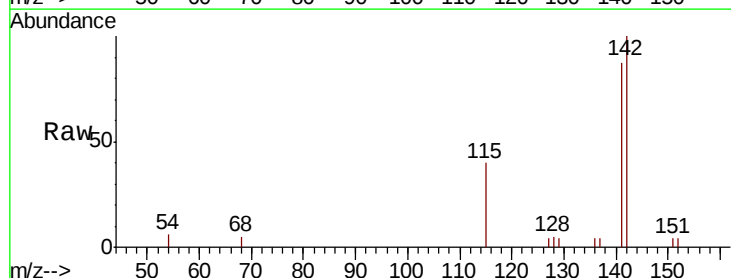
Delta R.T. 0.00 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

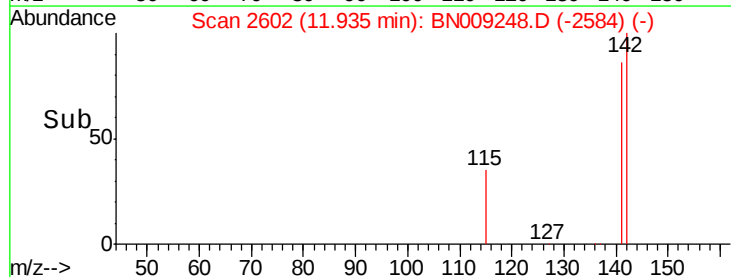
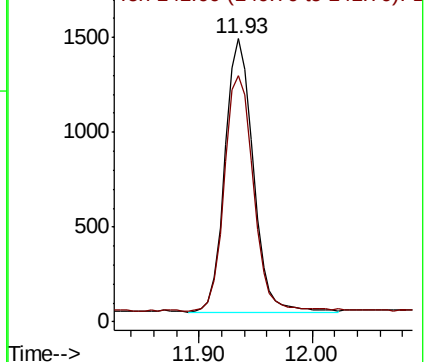
Tgt Ion:142 Resp: 2496

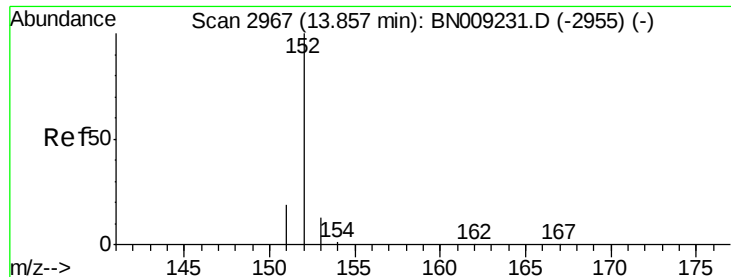
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 88.1  | 70.2  | 105.4 |



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.173 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

Instrument :

BNA\_N

ClientSampleId :

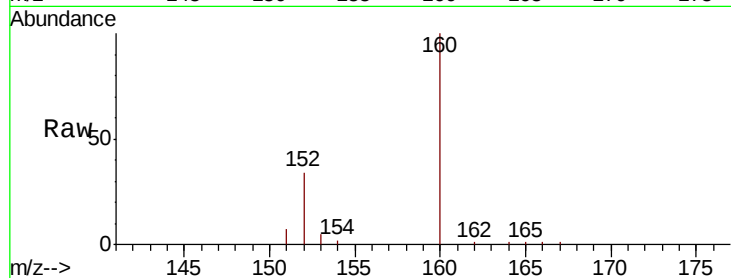
Tot Ion:152 Resp: 4343

Ion Ratio Lower Upper

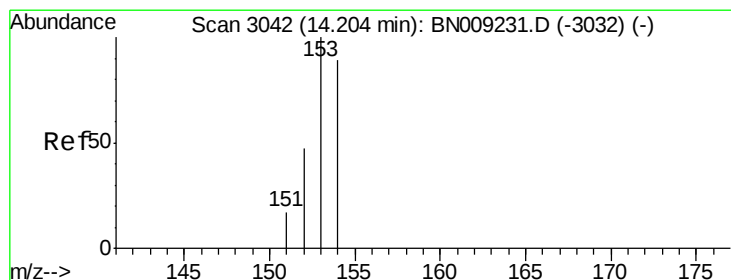
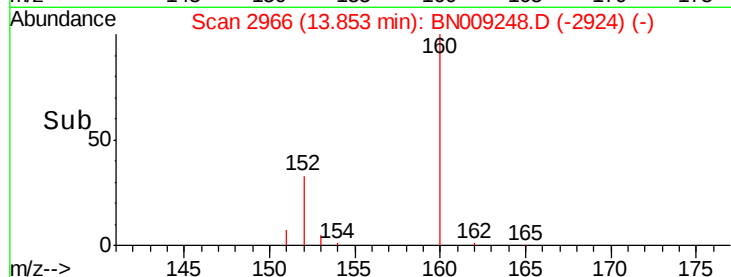
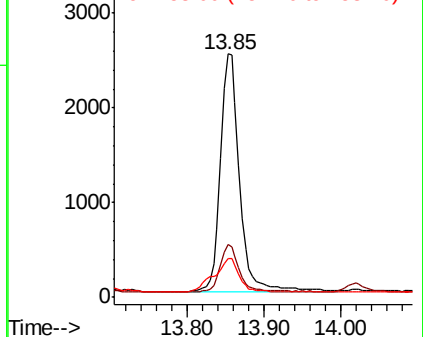
152 100

151 21.7 15.7 23.5

153 16.1 10.8 16.2



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: 0.033 ng/ul

RT: 14.20 min Scan# 3041

Delta R.T. -0.00 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

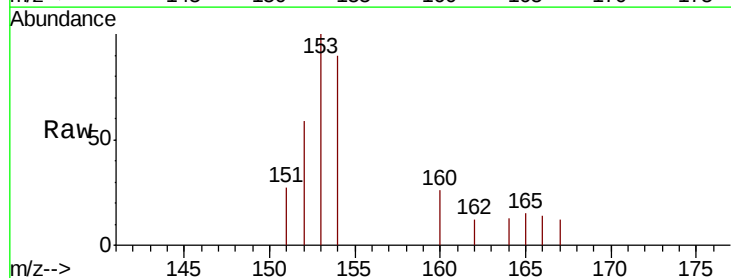
Tgt Ion:153 Resp: 651

Ion Ratio Lower Upper

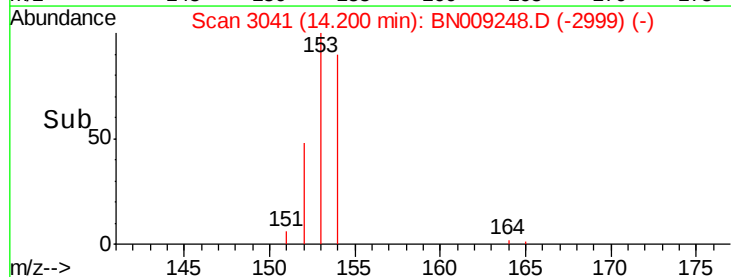
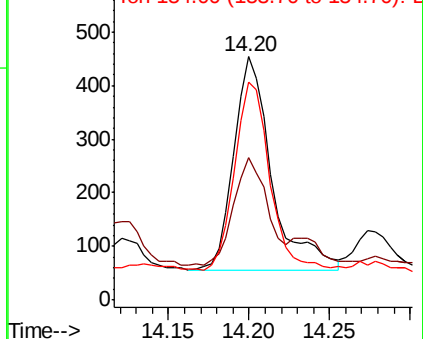
153 100

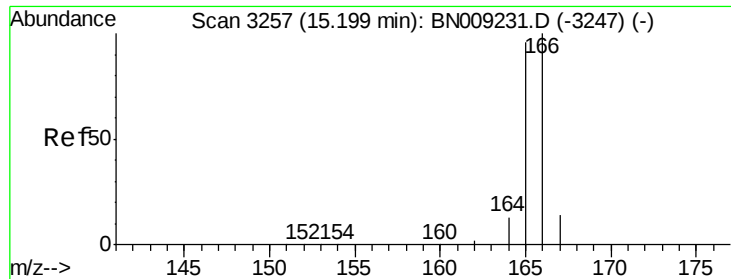
152 58.6 39.5 59.3

154 89.6 71.3 106.9



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: 0.070 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

Instrument :

BNA\_N

ClientSampleId :

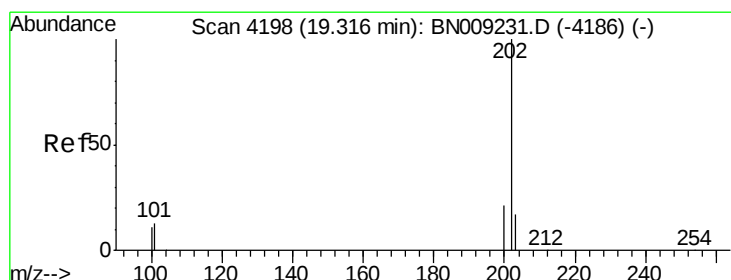
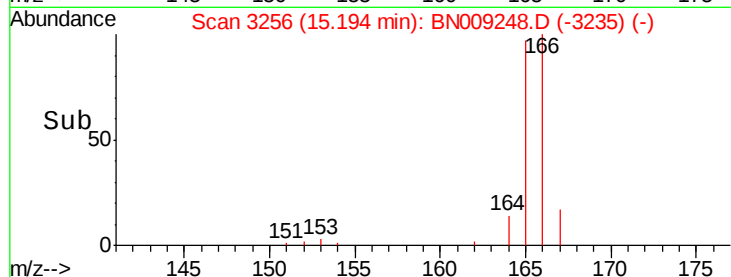
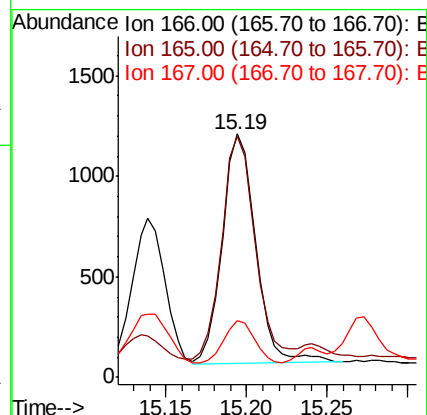
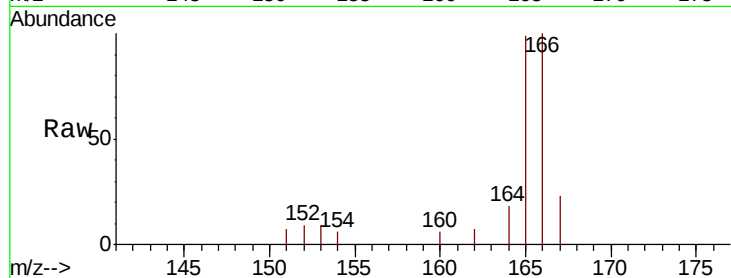
Tot Ion:166 Resp: 1637

Ion Ratio Lower Upper

166 100

165 99.2 78.2 117.4

167 23.4 11.0 16.6#



#17

Pyrene

Concen: 0.821 ng/ul

RT: 19.31 min Scan# 4197

Delta R.T. -0.00 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

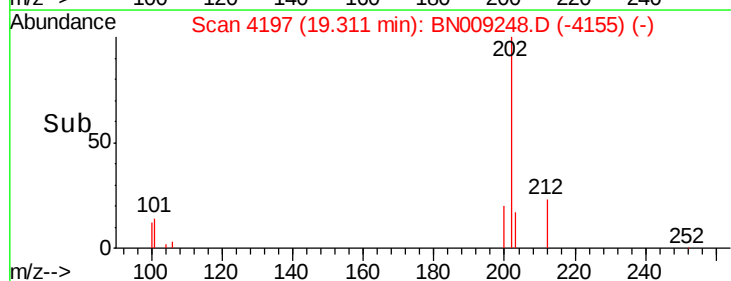
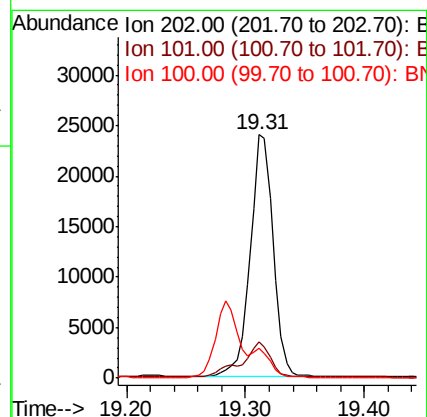
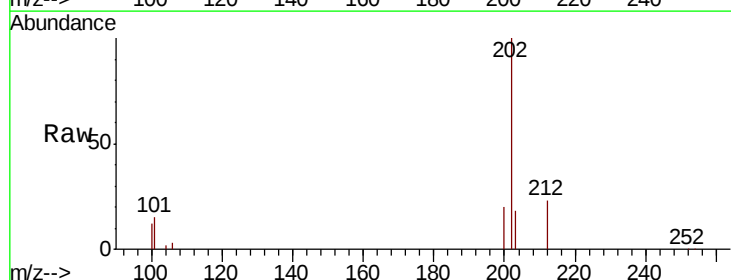
Tgt Ion:202 Resp: 32110

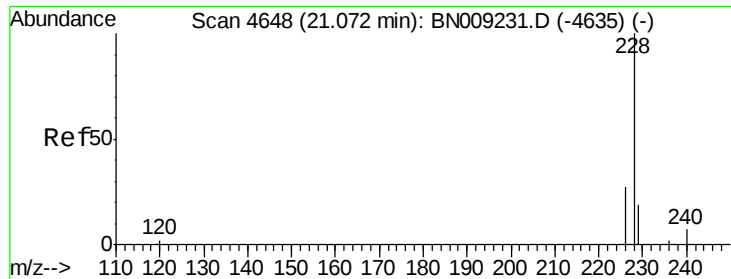
Ion Ratio Lower Upper

202 100

101 14.6 10.9 16.3

100 12.0 9.0 13.6





#18

Benzo(a)anthracene

Concen: 0.520 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

Instrument :

BNA\_N

ClientSampleId :

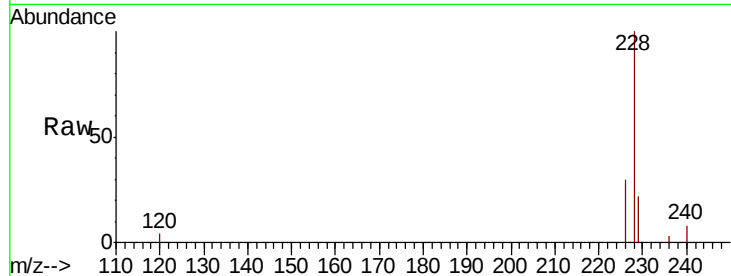
Tot Ion:228 Resp: 17712

Ion Ratio Lower Upper

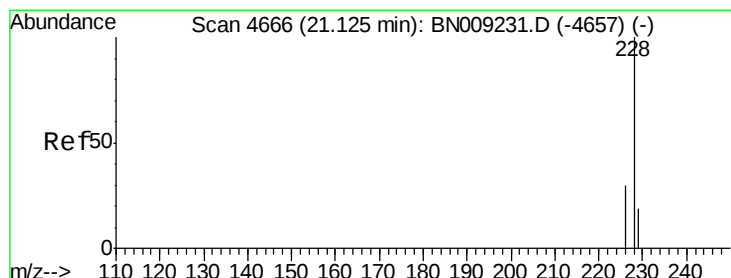
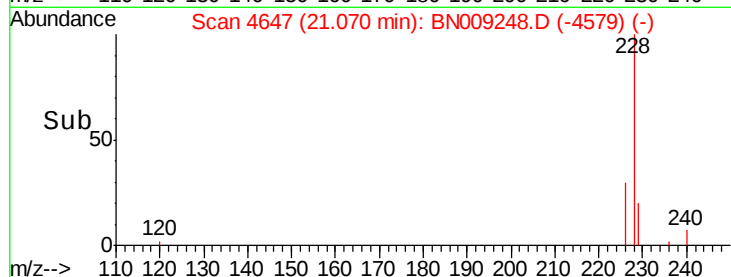
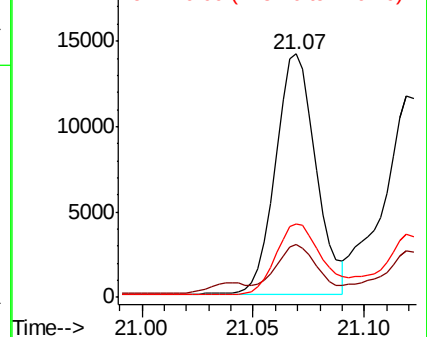
228 100

229 21.8 15.5 23.3

226 30.4 21.7 32.5



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: 0.518 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.06 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

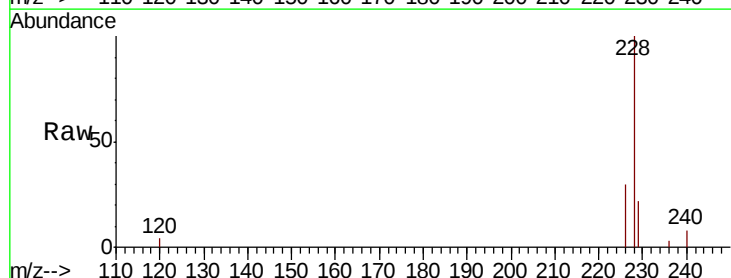
Tgt Ion:228 Resp: 17722

Ion Ratio Lower Upper

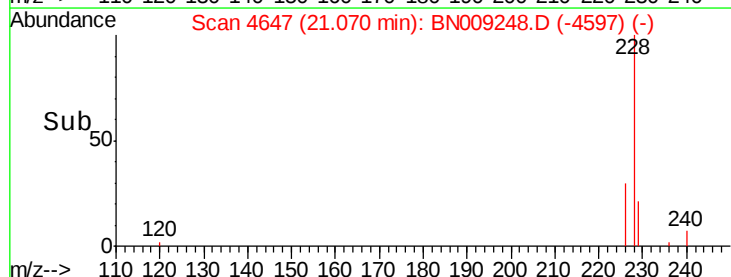
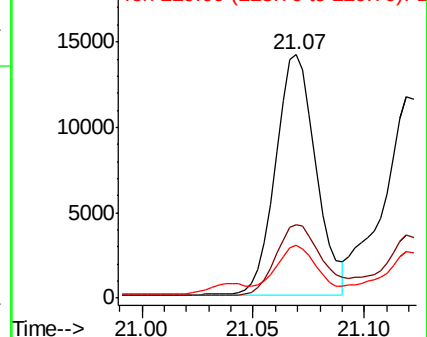
228 100

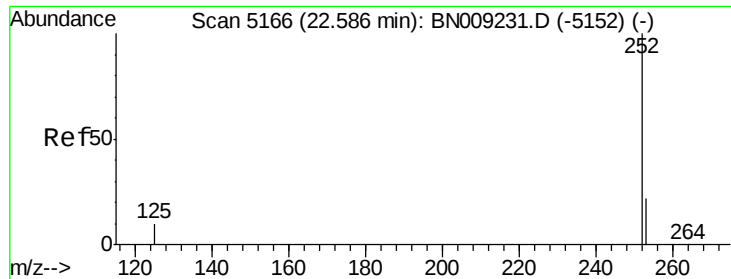
226 30.4 23.7 35.5

229 21.8 15.4 23.0



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: 0.814 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.00 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

Instrument :

BNA\_N

ClientSampleId :

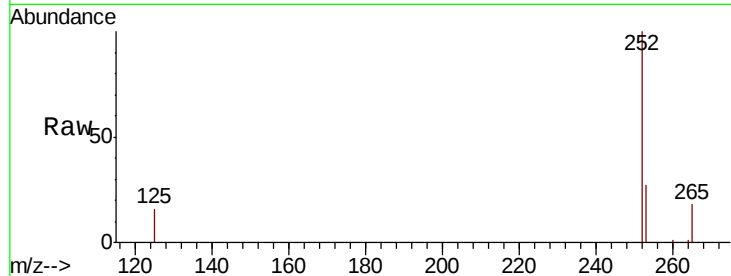
Tot Ion:252 Resp: 29814

Ion Ratio Lower Upper

252 100

253 26.6 0.0 48.2

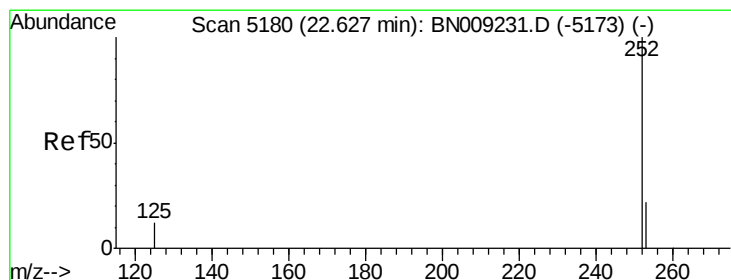
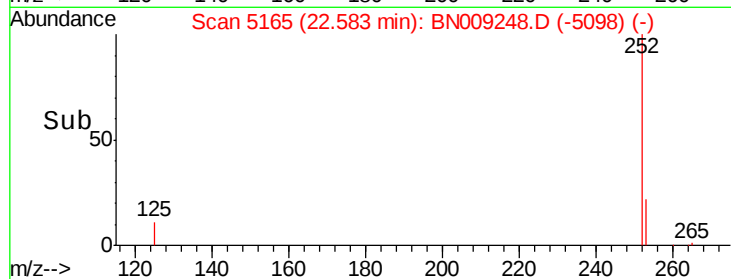
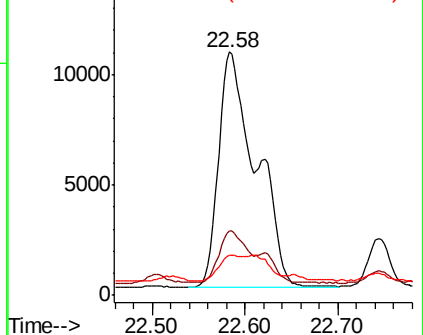
125 16.5 0.0 30.0



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: 0.807 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.04 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

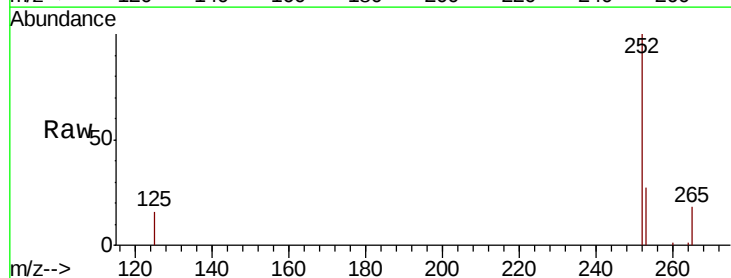
Tgt Ion:252 Resp: 29814

Ion Ratio Lower Upper

252 100

253 26.6 19.4 29.0

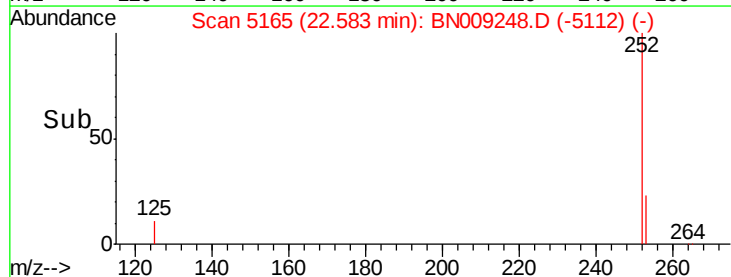
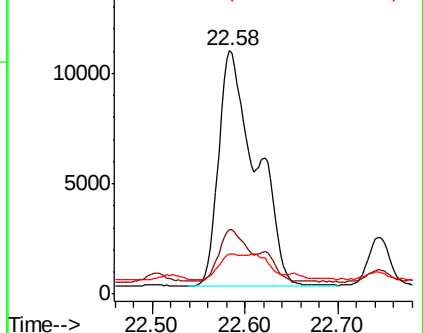
125 16.5 12.4 18.6

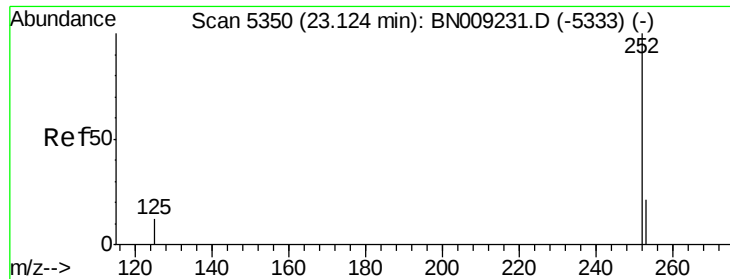


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.447 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

Instrument :

BNA\_N

ClientSampleId :

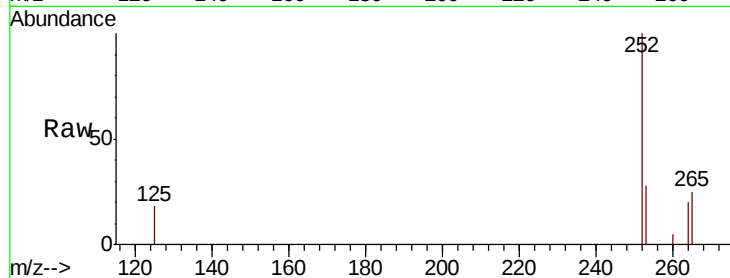
Tot Ion:252 Resp: 14352

Ion Ratio Lower Upper

252 100

253 27.6 20.2 30.4

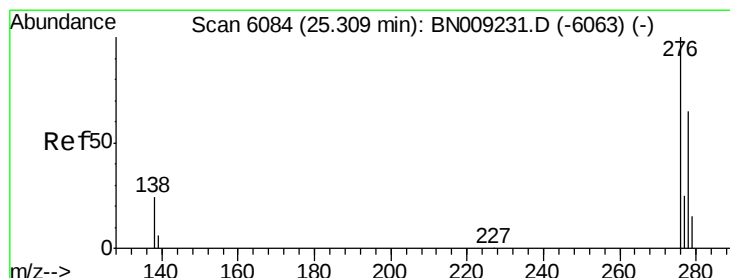
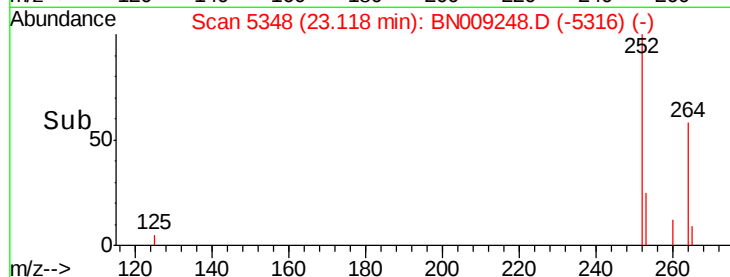
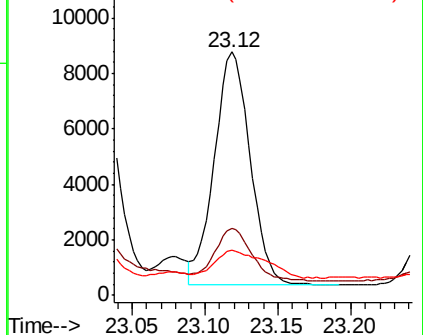
125 18.5 13.2 19.8



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: 0.289 ng/ul

RT: 25.30 min Scan# 6082

Delta R.T. -0.01 min

Lab File: BN009248.D

Acq: 29 Dec 2019 03:04

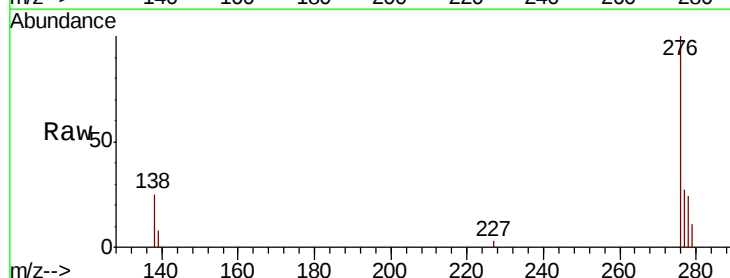
Tgt Ion:276 Resp: 10100

Ion Ratio Lower Upper

276 100

138 21.6 22.4 33.6#

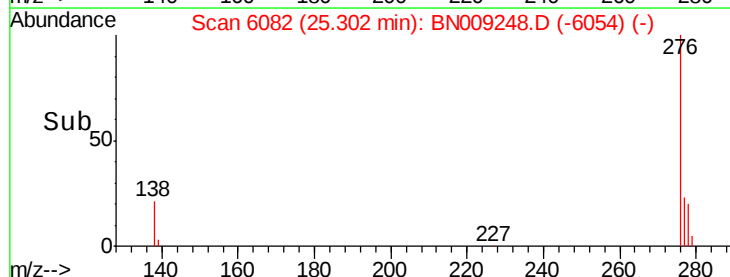
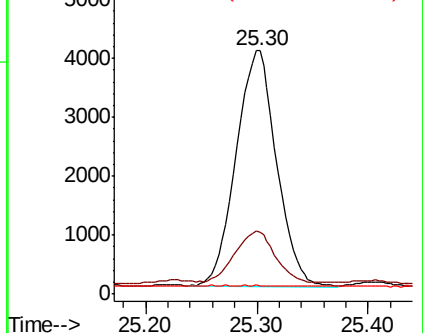
227 0.1 0.2 0.4#

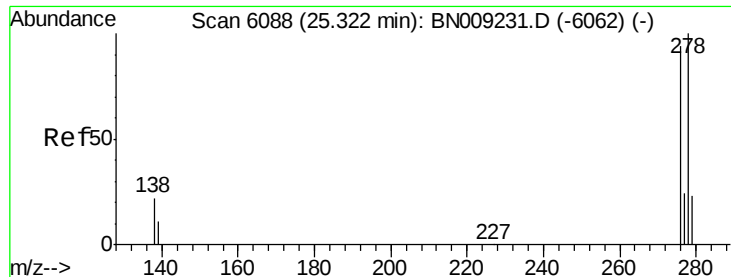


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

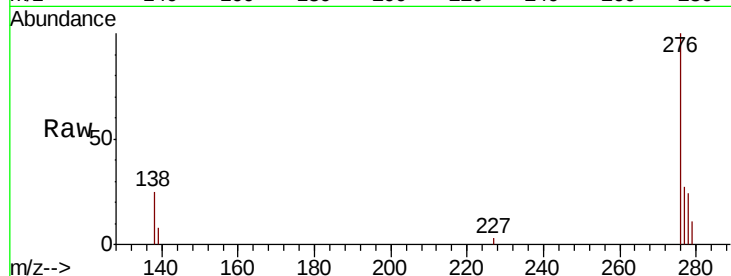




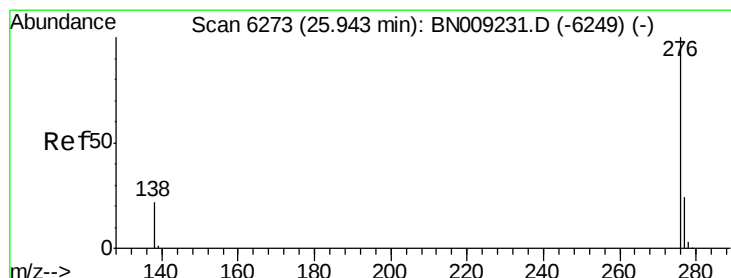
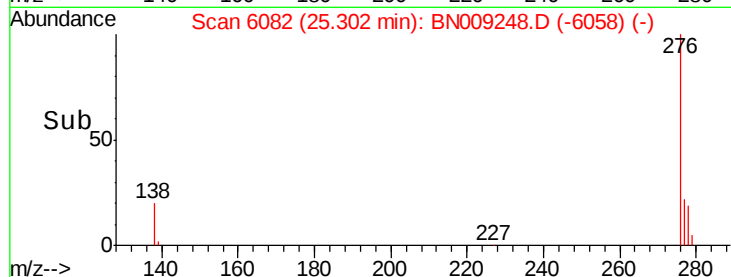
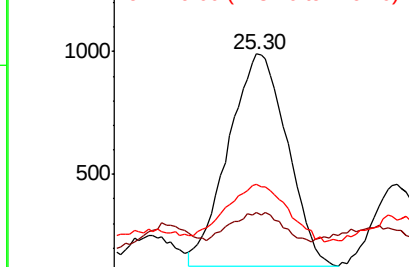
#25  
Dibenzo(a,h)anthracene  
Concen: 0.094 ng/ul  
RT: 25.30 min Scan# 6082  
Delta R.T. -0.02 min  
Lab File: BN009248.D  
Acq: 29 Dec 2019 03:04

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:278 Resp: 2621  
Ion Ratio Lower Upper  
278 100  
139 34.7 16.2 24.2#  
279 46.2 20.3 30.5#

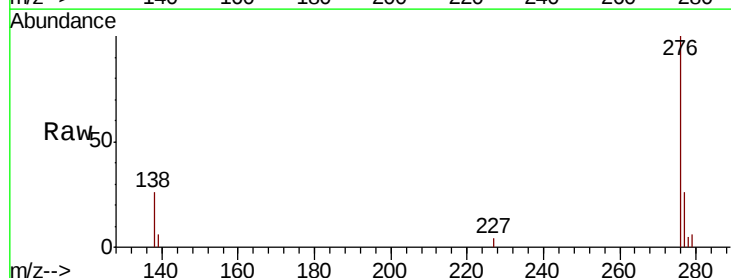


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#26  
Benzo(g,h,i)perylene  
Concen: 0.343 ng/ul  
RT: 25.93 min Scan# 6269  
Delta R.T. -0.01 min  
Lab File: BN009248.D  
Acq: 29 Dec 2019 03:04

Tgt Ion:276 Resp: 10094  
Ion Ratio Lower Upper  
276 100  
138 26.3 20.6 30.8  
277 26.3 19.6 29.4



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

