

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN062419\  
 Data File : BN006556.D  
 Acq On : 25 Jun 2019 05:51  
 Operator : HP/JU  
 Sample : K3388-03  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4216

Quant Time: Jun 25 07:12:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 25 01:51:13 2019  
 Response via : Initial Calibration

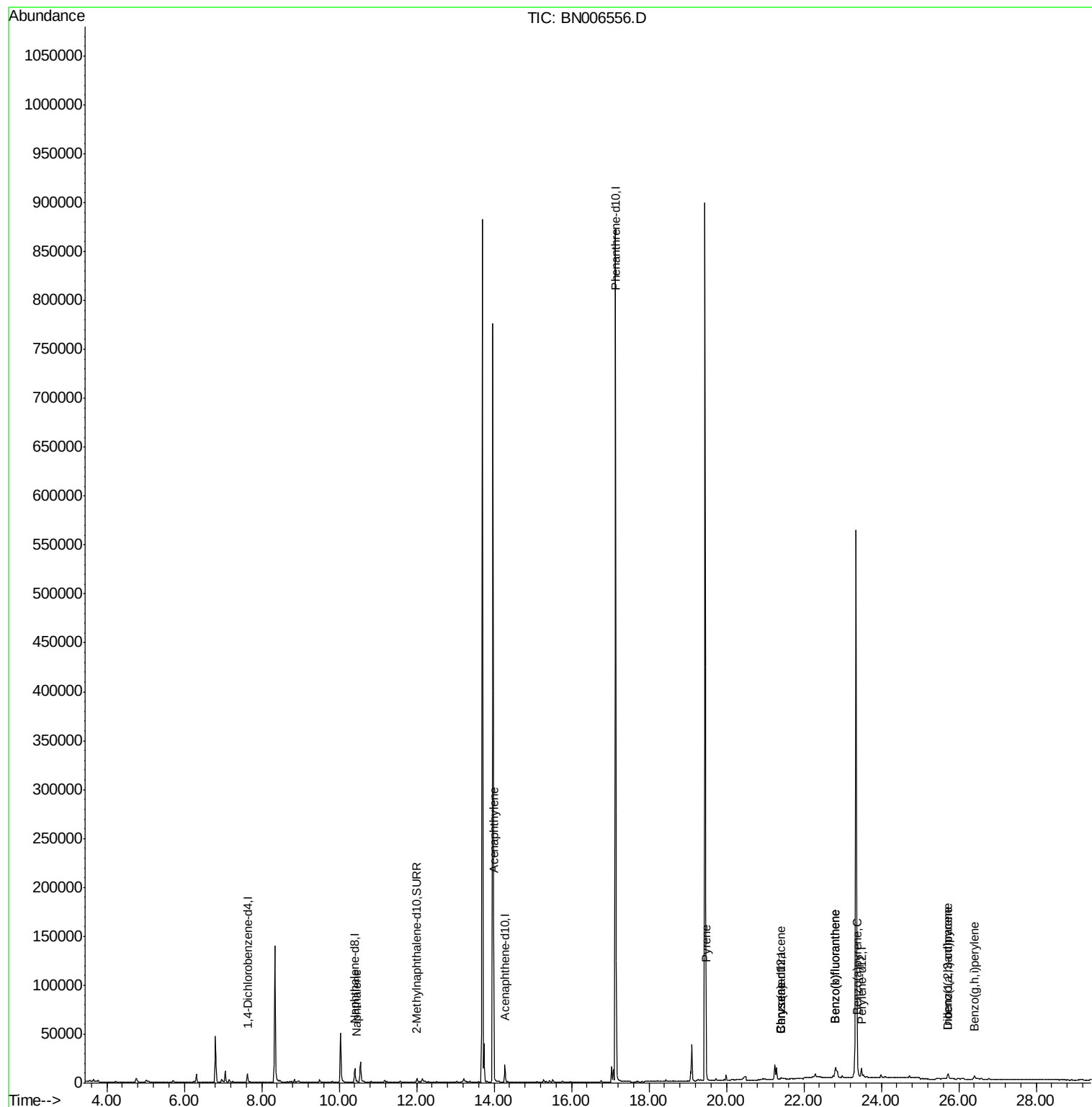
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|---------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 5254     | 0.40    | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.41 | 136  | 19638    | 0.40    | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.28 | 164  | 9740     | 0.40    | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.14 | 188  | 955445   | 0.40    | ng/ul  | 0.10     |
| 16) Chrysene-d12            | 21.40 | 240  | 26       | 0.40    | ng/ul  | 0.14     |
| 20) Perylene-d12            | 23.49 | 264  | 13219    | 0.40    | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |         |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.01 | 152  | 5947     | 0.20    | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00    | ng/ul  |          |
| Target Compounds            |       |      |          | Qvalue  |        |          |
| 3) Naphthalene              | 10.46 | 128  | 1243     | 0.023   | ng/ul# | 79       |
| 7) Acenaphthylene           | 14.00 | 152  | 1618     | 0.030   | ng/ul# | 78       |
| 17) Pyrene                  | 19.48 | 202  | 25628    | 187.130 | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.41 | 228  | 2146     | 18.662  | ng/ul# | 1        |
| 19) Chrysene                | 21.41 | 228  | 2146     | 19.879  | ng/ul# | 1        |
| 21) Benzo(b)fluoranthene    | 22.82 | 252  | 22050    | 0.400   | ng/ul  | 79       |
| 22) Benzo(k)fluoranthene    | 22.82 | 252  | 22050    | 0.411   | ng/ul# | 77       |
| 23) Benzo(a)pyrene          | 23.39 | 252  | 10030    | 0.195   | ng/ul# | 81       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.72 | 276  | 8027     | 0.144   | ng/ul# | 97       |
| 25) Dibenzo(a,h)anthracene  | 25.72 | 278  | 1944     | 0.044   | ng/ul# | 1        |
| 26) Benzo(g,h,i)perylene    | 26.41 | 276  | 6809     | 0.146   | ng/ul# | 75       |

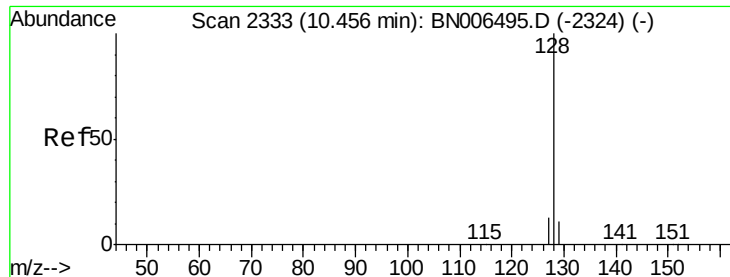
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.023 ng/ul

RT: 10.46 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BN006556.D

Acq: 25 Jun 2019 05:51

Instrument :

BNA\_N

ClientSampleId :

A4216

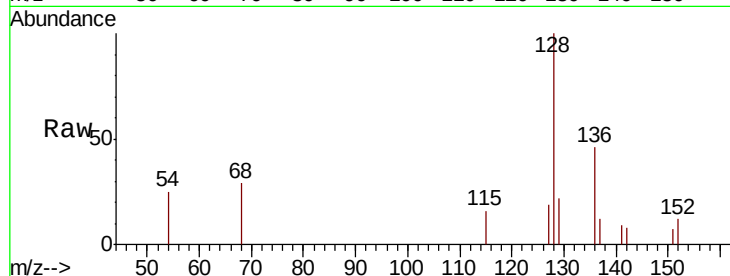
Tgt Ion:128 Resp: 1243

Ion Ratio Lower Upper

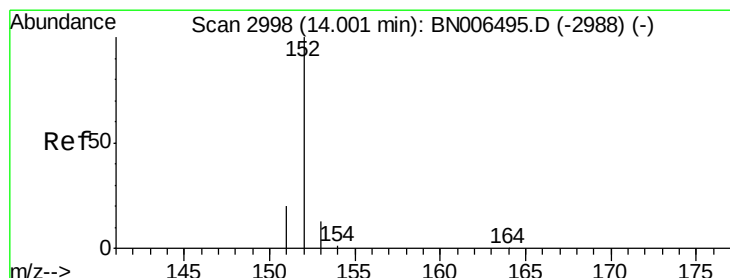
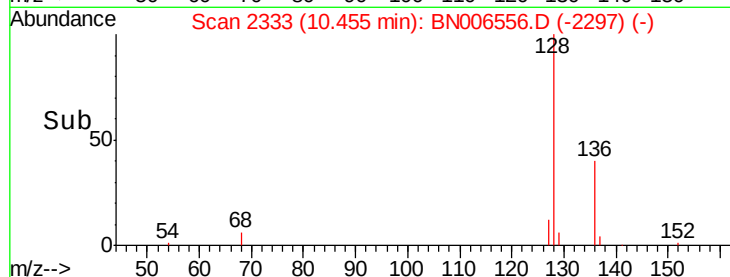
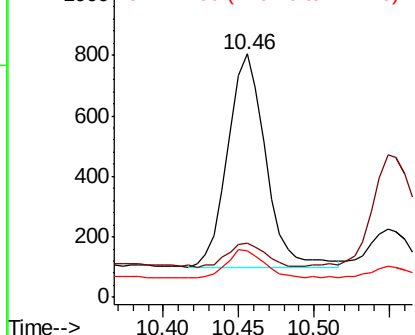
128 100

129 22.4 9.3 13.9#

127 19.1 10.7 16.1#



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



#7

Acenaphthylene

Concen: 0.030 ng/ul

RT: 14.00 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BN006556.D

Acq: 25 Jun 2019 05:51

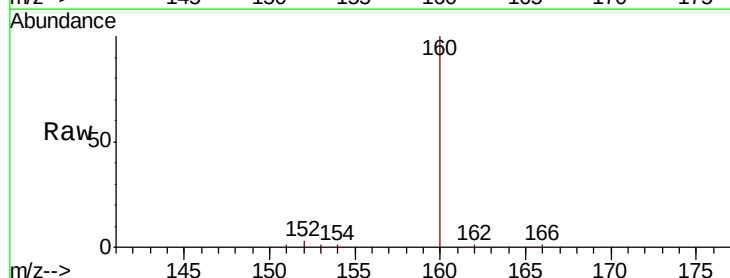
Tgt Ion:152 Resp: 1618

Ion Ratio Lower Upper

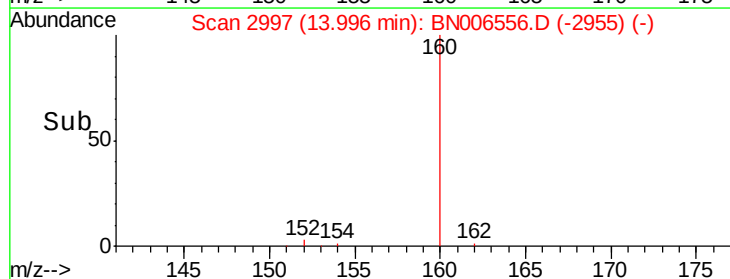
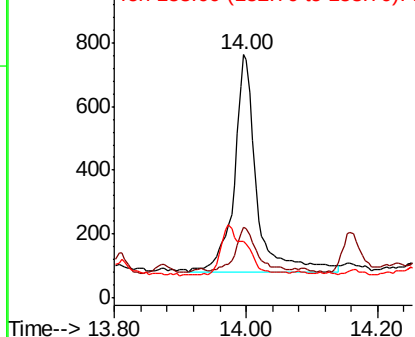
152 100

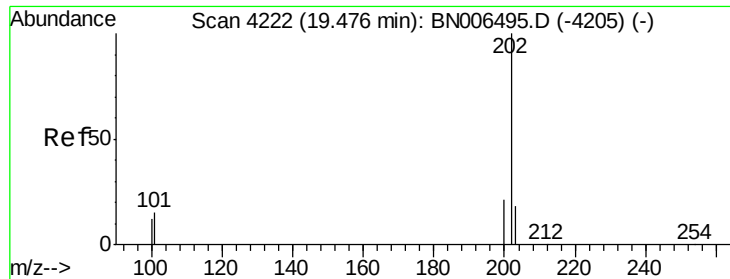
151 29.3 15.8 23.8#

153 23.1 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





#17

Pyrene

Concen: 187.130 ng/ul

RT: 19.48 min Scan# 4222

Delta R.T. -0.00 min

Lab File: BN006556.D

Acq: 25 Jun 2019 05:51

Instrument :

BNA\_N

ClientSampleId :

A4216

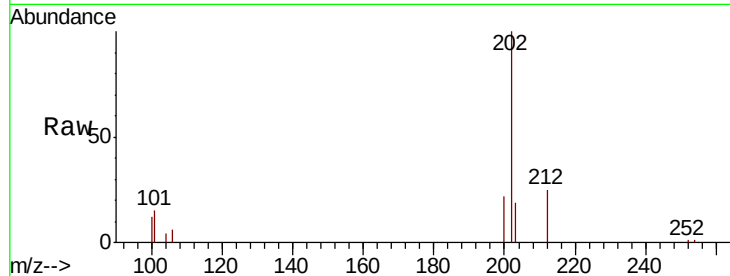
Tgt Ion:202 Resp: 25628

Ion Ratio Lower Upper

202 100

101 15.3 12.2 18.2

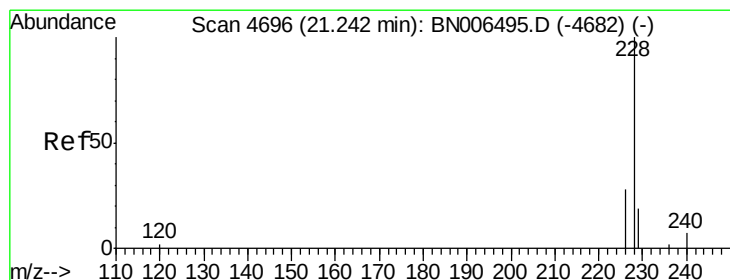
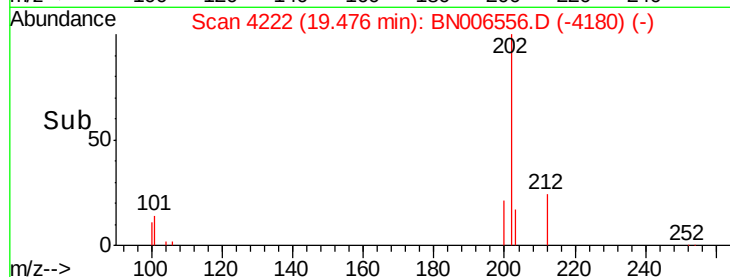
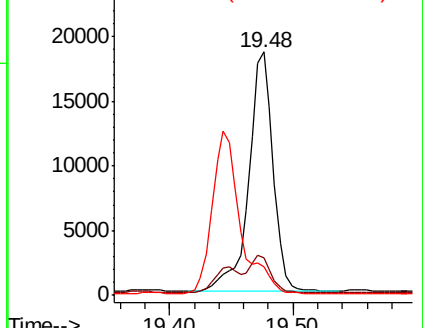
100 11.9 9.8 14.6



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



#18

Benzo(a)anthracene

Concen: 18.662 ng/ul

RT: 21.41 min Scan# 4753

Delta R.T. 0.16 min

Lab File: BN006556.D

Acq: 25 Jun 2019 05:51

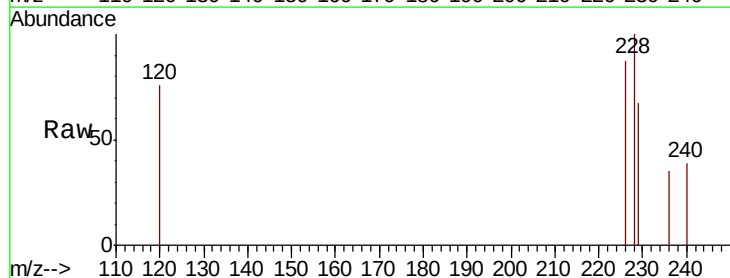
Tgt Ion:228 Resp: 2146

Ion Ratio Lower Upper

228 100

229 67.1 16.5 24.7#

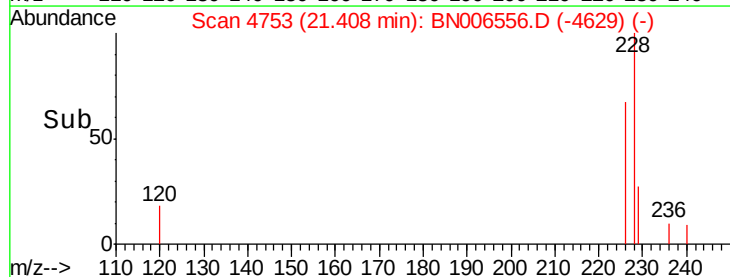
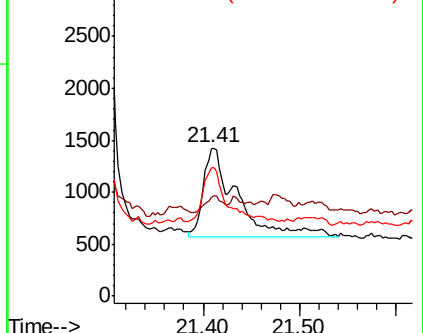
226 86.8 22.8 34.2#

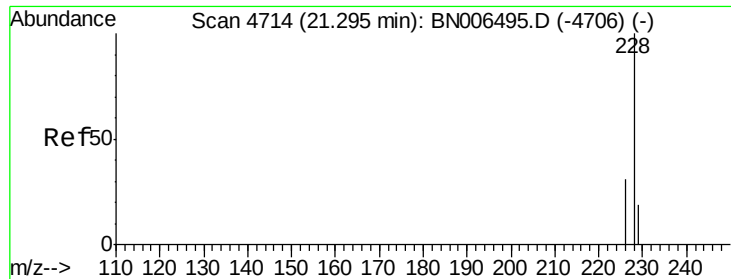


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 19.879 ng/ul

RT: 21.41 min Scan# 4753

Delta R.T. 0.11 min

Lab File: BN006556.D

Acq: 25 Jun 2019 05:51

Instrument :

BNA\_N

ClientSampleId :

A4216

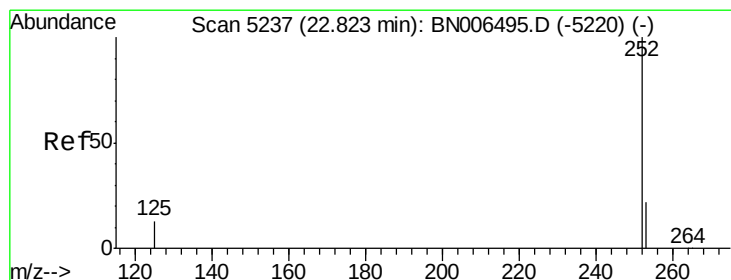
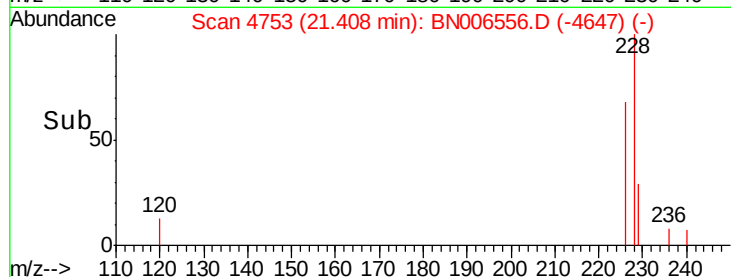
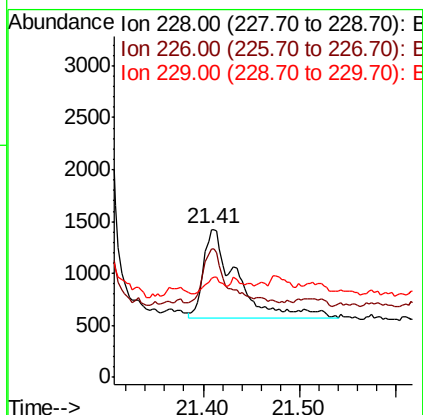
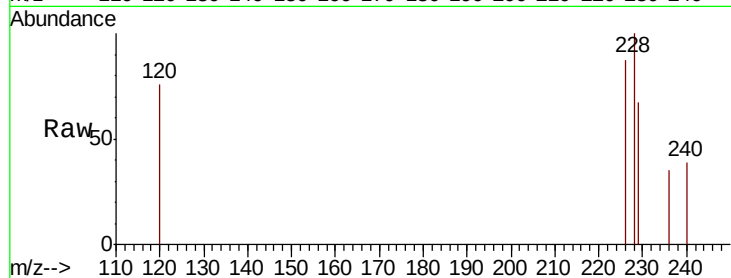
Tgt Ion:228 Resp: 2146

Ion Ratio Lower Upper

228 100

226 86.8 25.0 37.6#

229 67.1 16.3 24.5#



#21

Benzo(b)fluoranthene

Concen: 0.400 ng/ul

RT: 22.82 min Scan# 5236

Delta R.T. -0.01 min

Lab File: BN006556.D

Acq: 25 Jun 2019 05:51

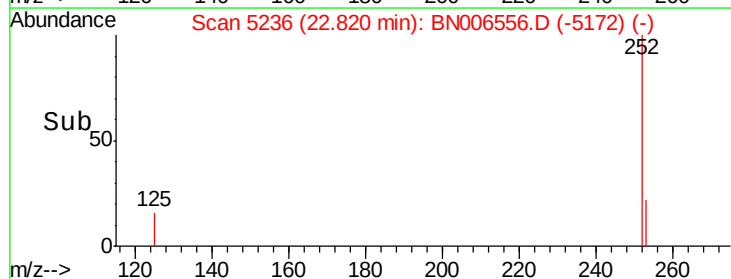
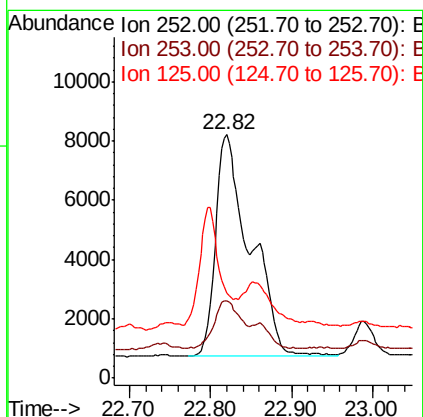
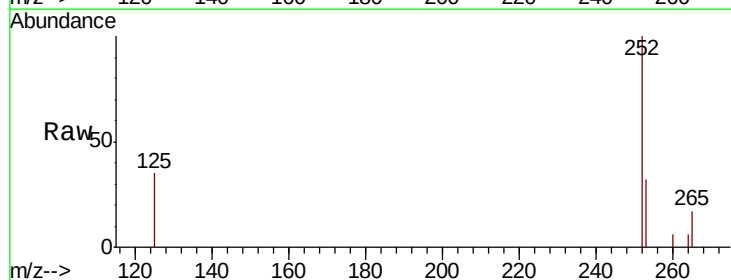
Tgt Ion:252 Resp: 22050

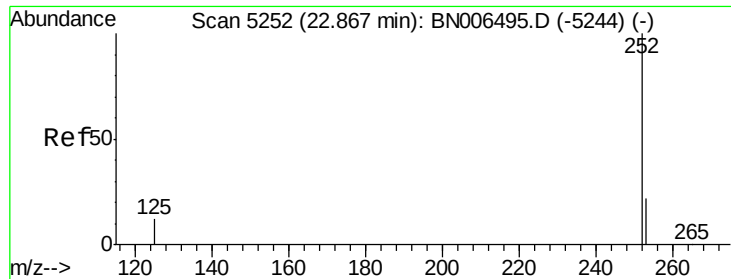
Ion Ratio Lower Upper

252 100

253 31.7 0.0 51.4

125 35.1 0.0 41.0





#22

Benzo(k)fluoranthene

Concen: 0.411 ng/ul

RT: 22.82 min Scan# 5236

Delta R.T. -0.05 min

Lab File: BN006556.D

Acq: 25 Jun 2019 05:51

Instrument :

BNA\_N

ClientSampled :

A4216

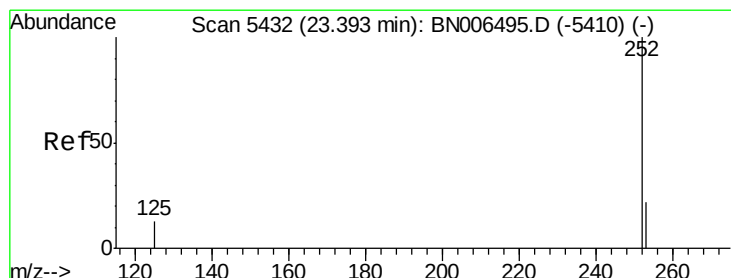
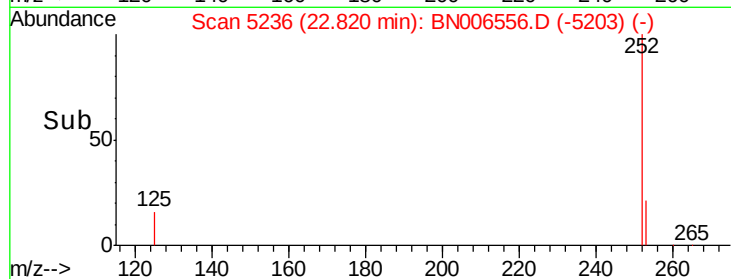
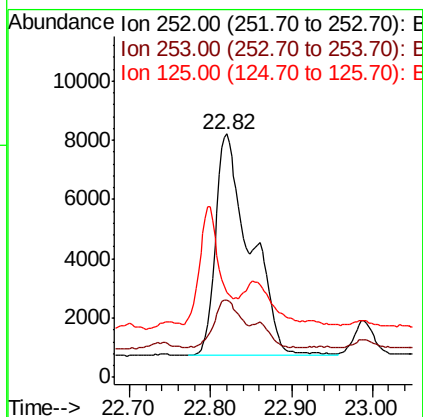
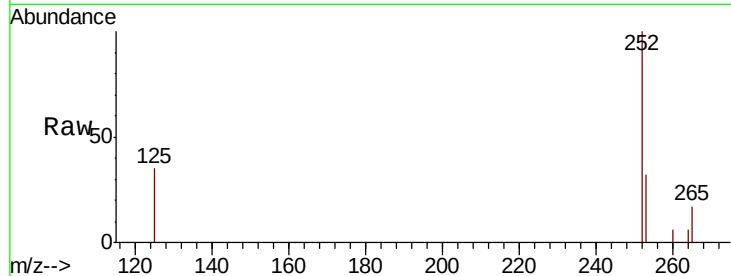
Tgt Ion:252 Resp: 22050

Ion Ratio Lower Upper

252 100

253 31.7 20.3 30.5#

125 35.1 14.3 21.5#



#23

Benzo(a)pyrene

Concen: 0.195 ng/ul

RT: 23.39 min Scan# 5430

Delta R.T. -0.02 min

Lab File: BN006556.D

Acq: 25 Jun 2019 05:51

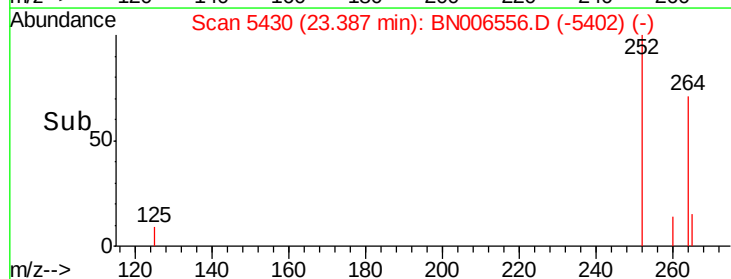
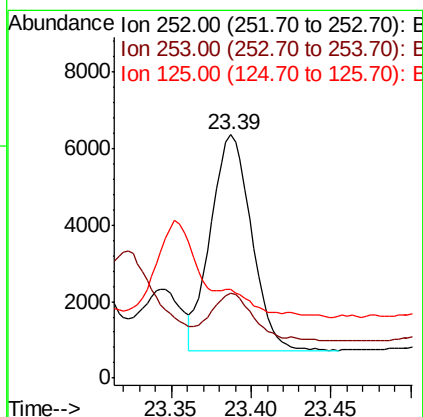
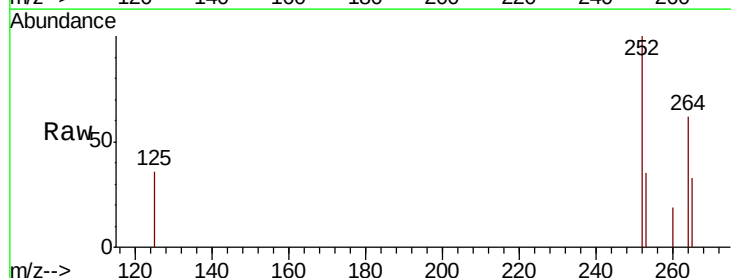
Tgt Ion:252 Resp: 10030

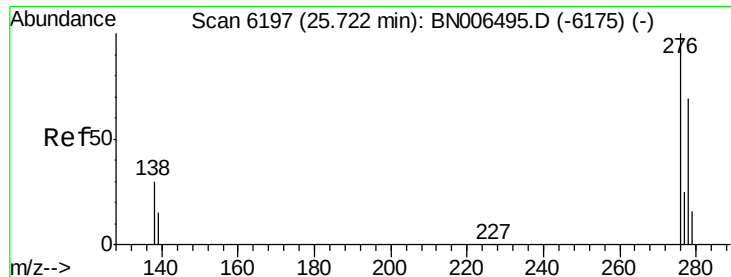
Ion Ratio Lower Upper

252 100

253 35.0 21.1 31.7#

125 36.3 20.3 30.5#



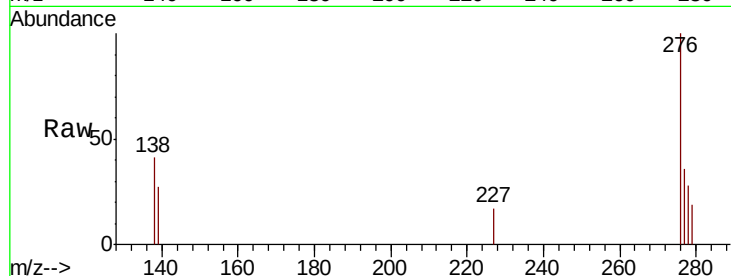


#24

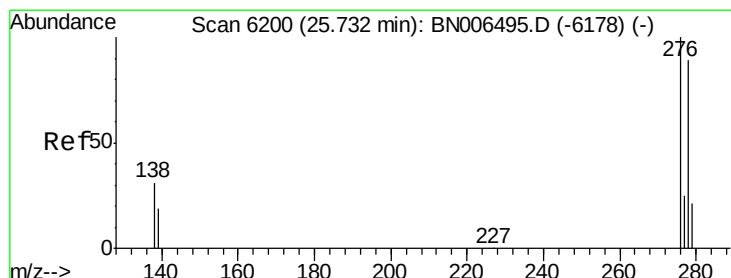
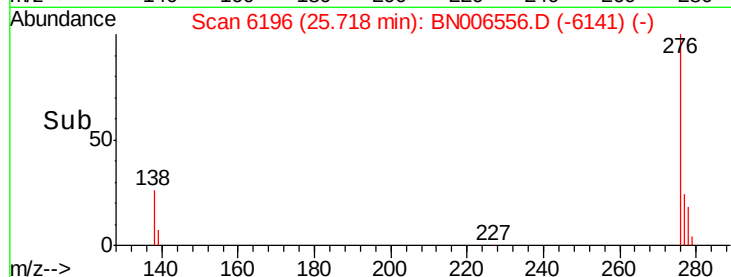
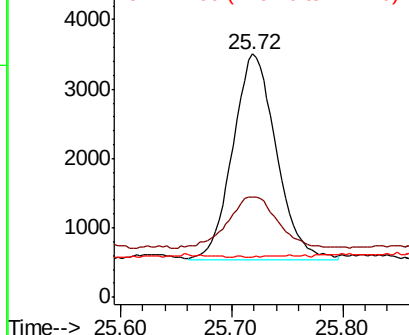
Indeno(1,2,3-cd)pyrene  
Concen: 0.144 ng/ul  
RT: 25.72 min Scan# 6196  
Delta R.T. -0.02 min  
Lab File: BN006556.D  
Acq: 25 Jun 2019 05:51

Instrument :  
BNA\_N  
ClientSampleId :  
A4216

Tgt Ion: 276 Resp: 8027  
Ion Ratio Lower Upper  
276 100  
138 30.4 25.6 38.4  
227 0.2 0.3 0.5#



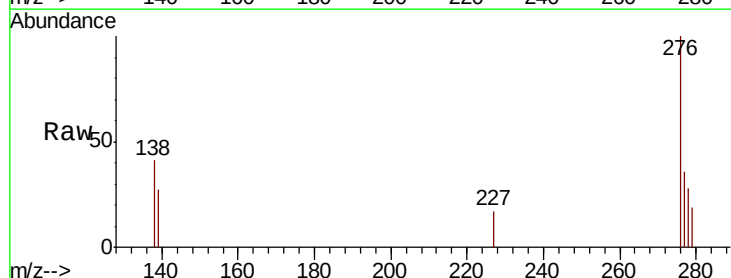
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 227.00 (226.70 to 227.70): E



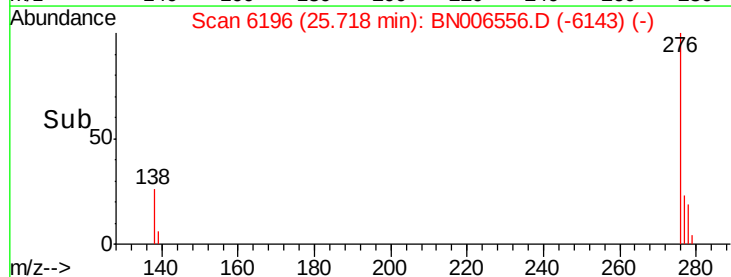
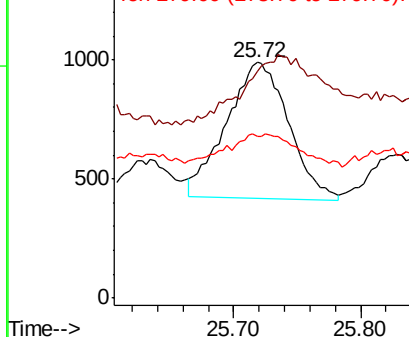
#25

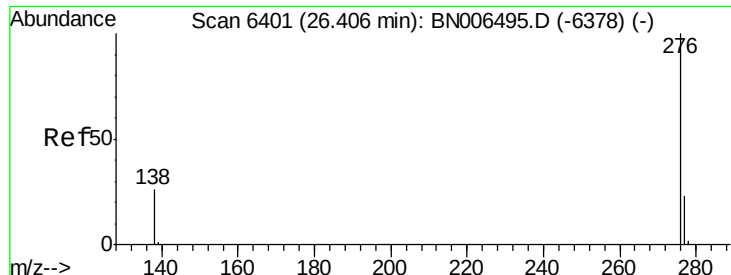
Dibenzo(a,h)anthracene  
Concen: 0.044 ng/ul  
RT: 25.72 min Scan# 6196  
Delta R.T. -0.02 min  
Lab File: BN006556.D  
Acq: 25 Jun 2019 05:51

Tgt Ion: 278 Resp: 1944  
Ion Ratio Lower Upper  
278 100  
139 96.6 21.2 31.8#  
279 68.5 22.6 33.8#



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: 0.146 ng/ul

RT: 26.41 min Scan# 6402

Delta R.T. -0.01 min

Lab File: BN006556.D

Acq: 25 Jun 2019 05:51

Instrument :

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ClientSampleId :

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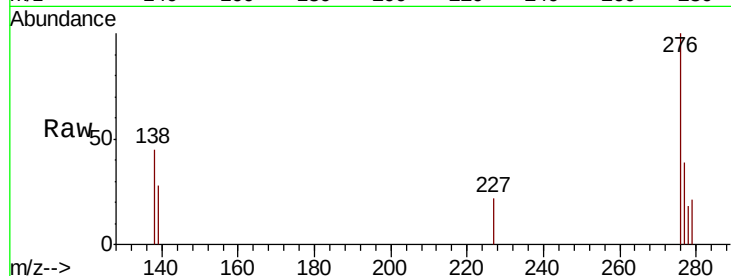
Tgt Ion: 276 Resp: 6809

Ion Ratio Lower Upper

276 100

138 44.9 24.2 36.4#

277 38.9 21.5 32.3#



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

