

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN050319\  
 Data File : BN005474.D  
 Acq On : 04 May 2019 04:43  
 Operator : JU/SJ  
 Sample : K2634-01  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJB2

Quant Time: May 06 01:12:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 03 03:02:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 281175   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 1143101  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 644425   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.98 | 188  | 1408643  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.21 | 240  | 1307567  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.42 | 264  | 1536835  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 22073   | 3.79  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 445304  | 20.16 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 267989  | 19.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 381527  | 22.57 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 365340  | 21.16 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 197014  | 28.00 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 218690  | 30.66 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 367732  | 22.49 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 433829  | 25.73 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.64 | 166 | 1177295 | 25.17 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.91 | 160 | 1400563 | 24.38 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 140035  | 18.96 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.22 | 176 | 985394  | 25.10 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 127589  | 20.14 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.07 | 188 | 1454320 | 24.63 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.39 | 212 | 1574823 | 23.54 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 1577067 | 23.48 | ng/ul | 0.00 |

## Target Compounds

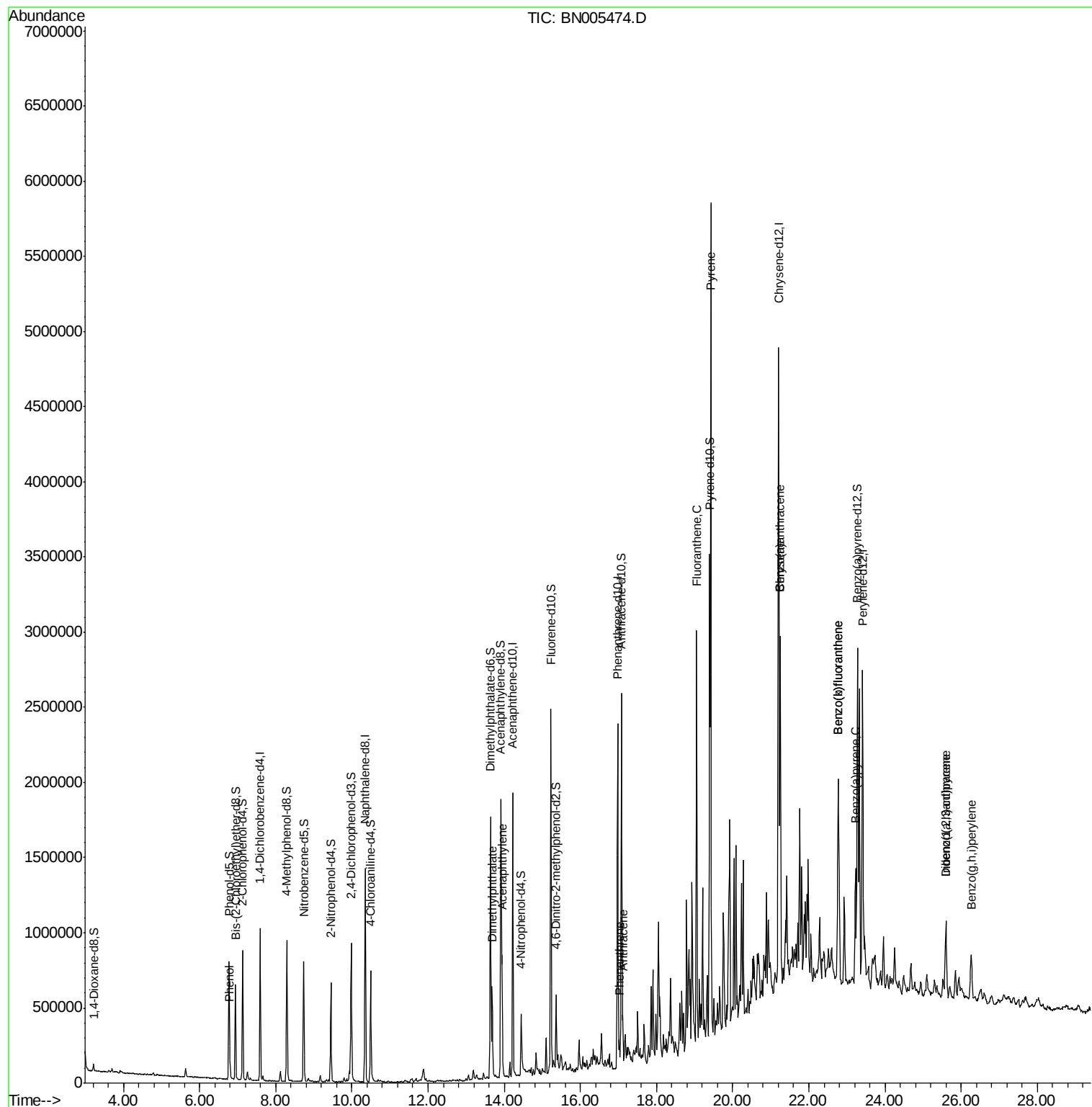
|                            |       |     |         |        | Qvalue |    |
|----------------------------|-------|-----|---------|--------|--------|----|
| 6) Phenol                  | 6.80  | 94  | 27809   | 1.224  | ng/ul# | 88 |
| 44) Dimethylphthalate      | 13.69 | 163 | 262801  | 5.638  | ng/ul  | 99 |
| 47) Acenaphthylene         | 13.94 | 152 | 567758  | 10.055 | ng/ul  | 98 |
| 69) Phenanthrene           | 17.02 | 178 | 112822  | 1.645  | ng/ul  | 99 |
| 71) Anthracene             | 17.11 | 178 | 193855  | 2.774  | ng/ul  | 99 |
| 76) Fluoranthene           | 19.05 | 202 | 1532050 | 20.134 | ng/ul  | 97 |
| 79) Pyrene                 | 19.42 | 202 | 3317385 | 39.403 | ng/ul  | 95 |
| 82) Benzo(a)anthracene     | 21.25 | 228 | 1334246 | 16.402 | ng/ul  | 95 |
| 84) Chrysene               | 21.25 | 228 | 1334246 | 17.673 | ng/ul  | 99 |
| 87) Benzo(b)fluoranthene   | 22.77 | 252 | 1102276 | 12.759 | ng/ul  | 98 |
| 88) Benzo(k)fluoranthene   | 22.77 | 252 | 1102276 | 13.360 | ng/ul  | 97 |
| 90) Benzo(a)pyrene         | 23.23 | 252 | 568843  | 7.005  | ng/ul  | 98 |
| 91) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 480398  | 5.351  | ng/ul  | 98 |
| 92) Dibenzo(a,h)anthracene | 25.60 | 278 | 165566  | 2.173  | ng/ul# | 95 |
| 93) Benzo(g,h,i)perylene   | 26.26 | 276 | 380935  | 5.132  | ng/ul# | 93 |

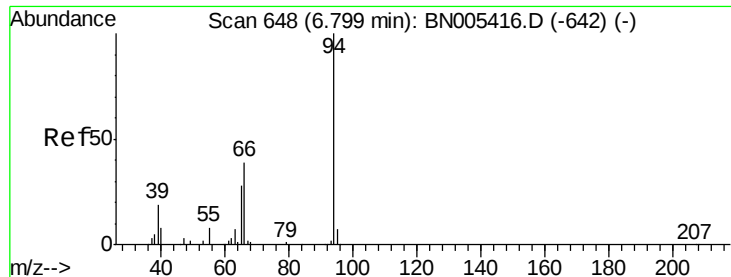
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN050319\  
Data File : BN005474.D  
Acq On : 04 May 2019 04:43  
Operator : JU/SJ  
Sample : K2634-01  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GAJB2

Quant Time: May 06 01:12:03 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri May 03 03:02:31 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 1.224 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. 0.00 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

Instrument :

BNA\_N

ClientSampleId :

GAJB2

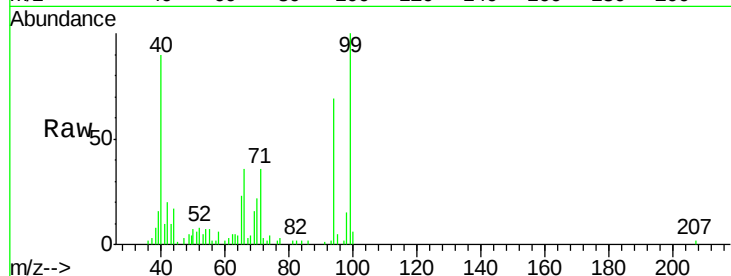
Tgt Ion: 94 Resp: 27809

Ion Ratio Lower Upper

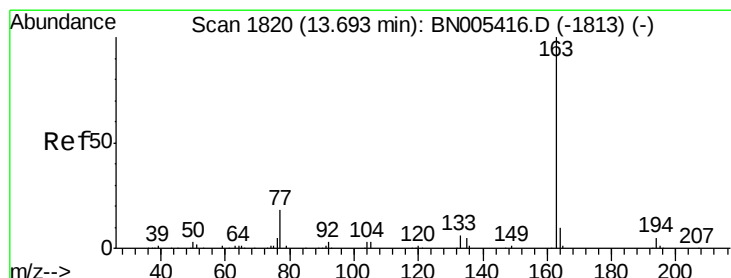
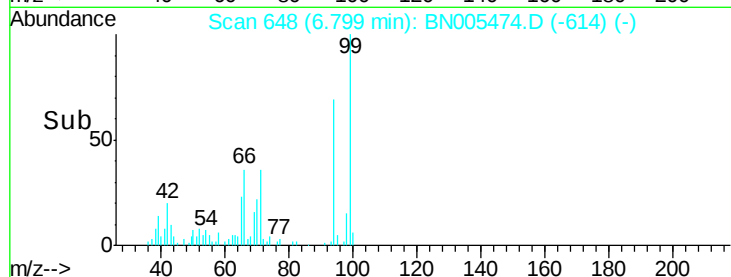
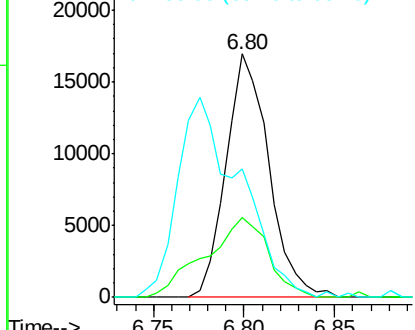
94 100

65 32.8 24.2 36.4

66 52.6 33.8 50.6#



Abundance Ion 94.00 (93.70 to 94.70): BNC  
Ion 65.00 (64.70 to 65.70): BNC  
Ion 66.00 (65.70 to 66.70): BNC



#44

Dimethylphthalate

Concen: 5.638 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

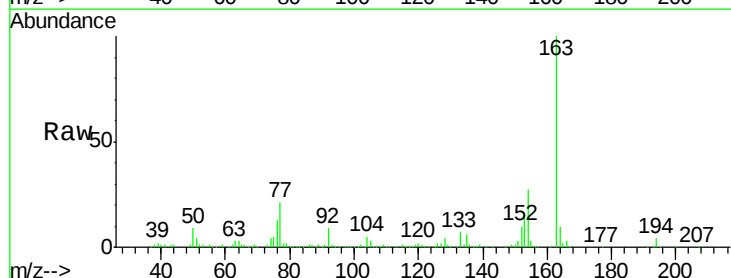
Tgt Ion: 163 Resp: 262801

Ion Ratio Lower Upper

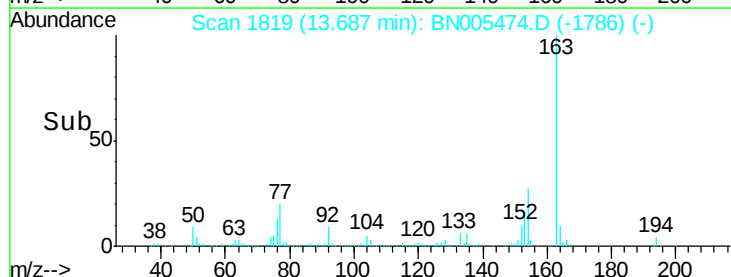
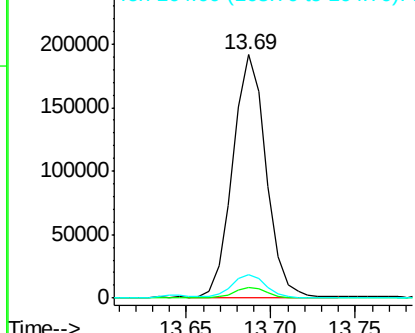
163 100

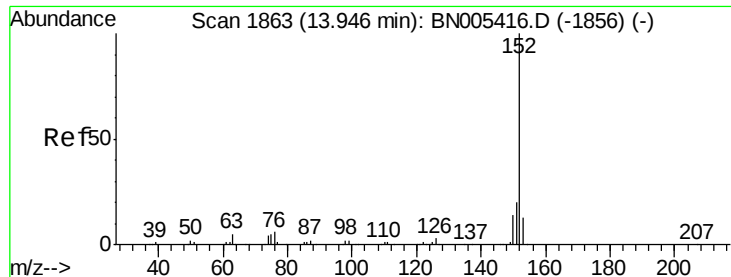
194 4.4 3.4 5.0

164 9.7 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 10.055 ng/ul

RT: 13.94 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

Instrument :

BNA\_N

ClientSampleId :

GAJB2

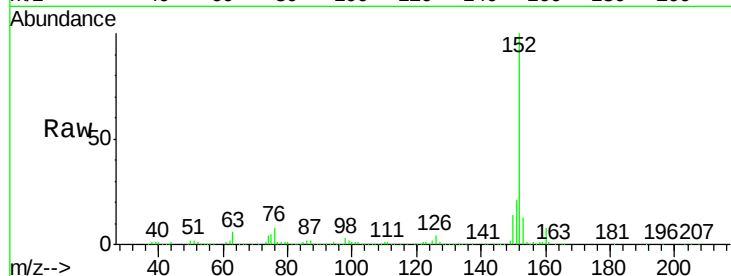
Tgt Ion:152 Resp: 567758

Ion Ratio Lower Upper

152 100

151 20.6 15.8 23.8

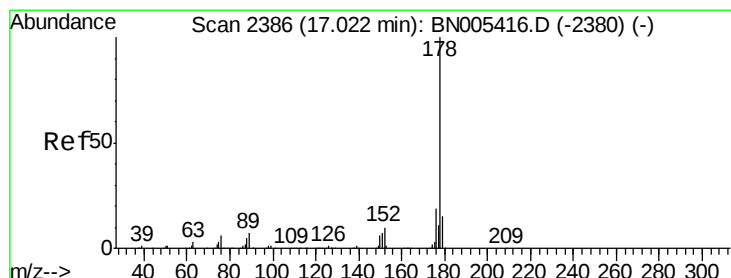
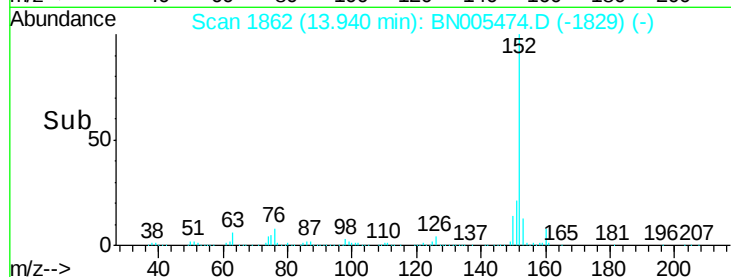
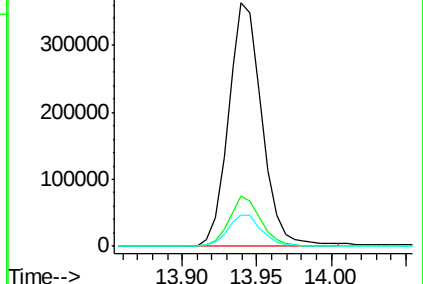
153 13.0 9.8 14.8



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



#69

Phenanthrene

Concen: 1.645 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

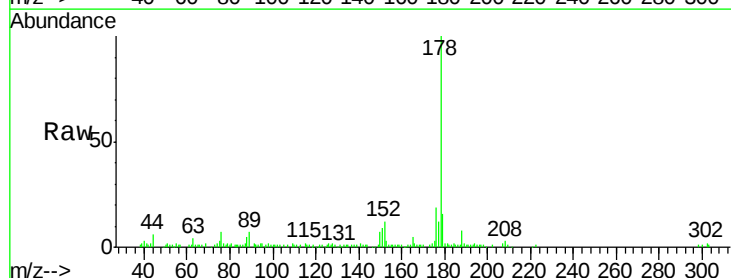
Tgt Ion:178 Resp: 112822

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.4

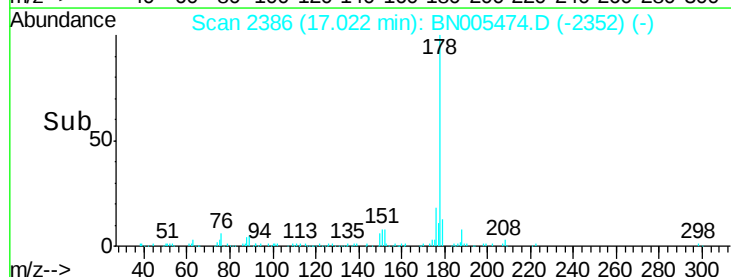
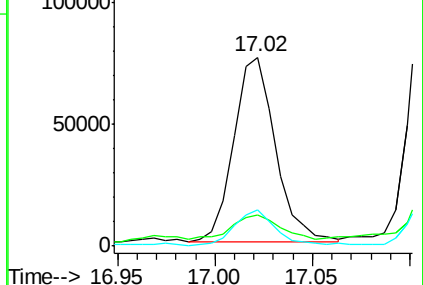
176 18.8 15.1 22.7

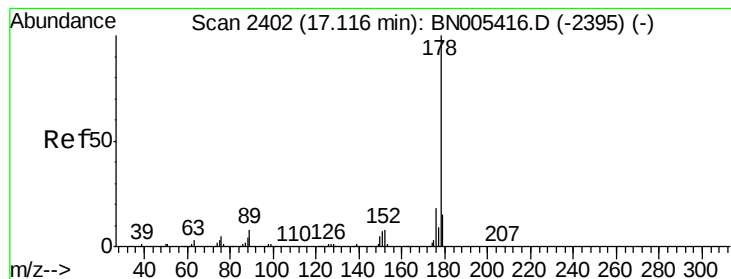


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.774 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

Instrument :

BNA\_N

ClientSampleId :

GAJB2

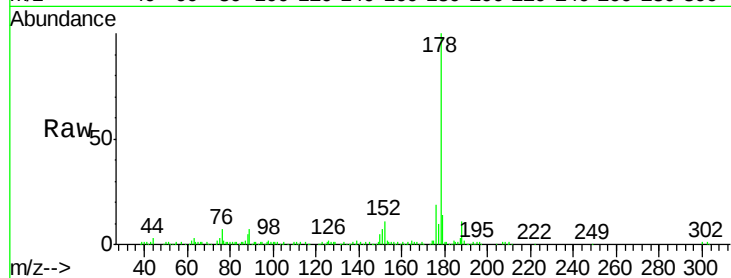
Tgt Ion:178 Resp: 193855

Ion Ratio Lower Upper

178 100

179 14.5 12.3 18.5

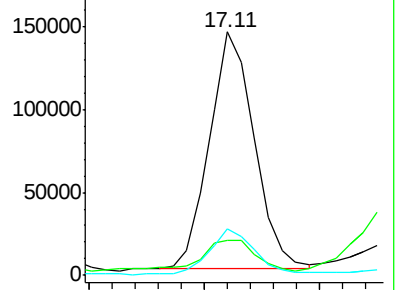
176 19.3 15.1 22.7



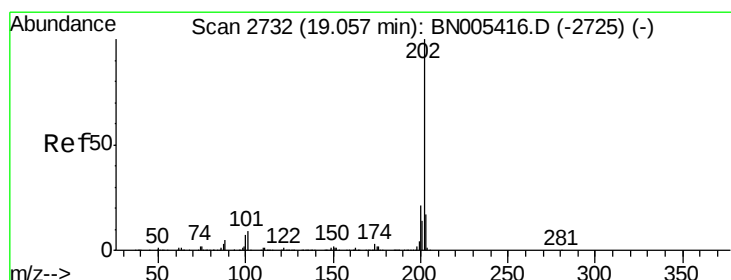
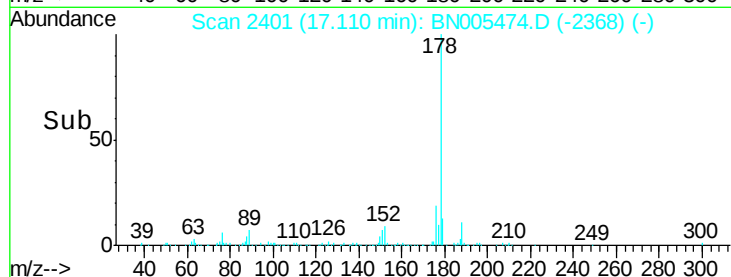
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.05 17.10 17.15



#76

Fluoranthene

Concen: 20.134 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

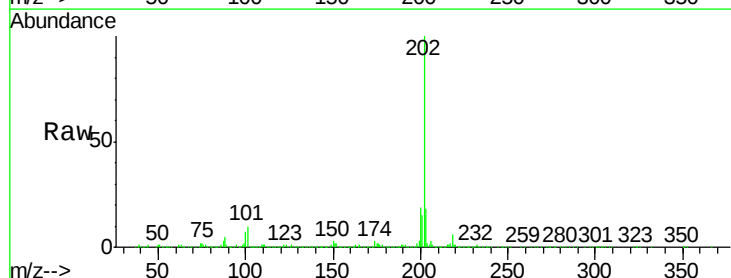
Tgt Ion:202 Resp: 1532050

Ion Ratio Lower Upper

202 100

101 9.6 8.6 12.8

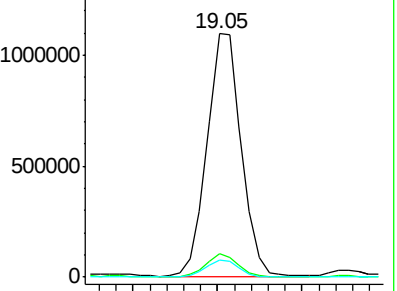
100 6.8 6.3 9.5



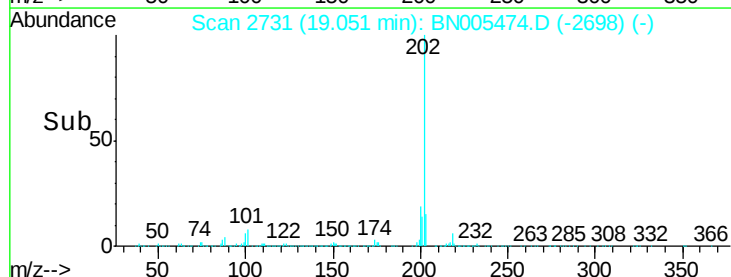
Abundance Ion 202.00 (201.70 to 202.70): E

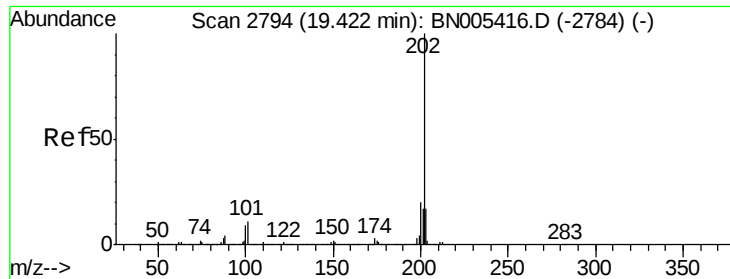
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.00 19.05 19.10





#79

Pyrene

Concen: 39.403 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

Instrument :

BNA\_N

ClientSampleId :

GAJB2

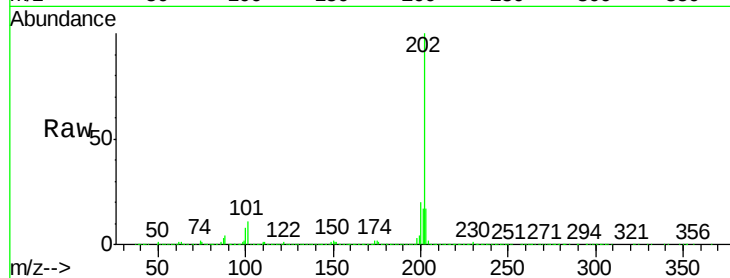
Tgt Ion:202 Resp: 3317385

Ion Ratio Lower Upper

202 100

101 10.6 10.3 15.5

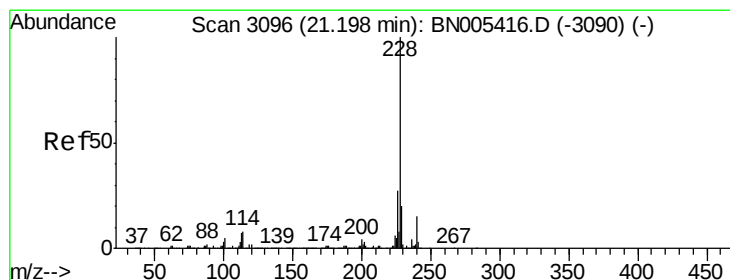
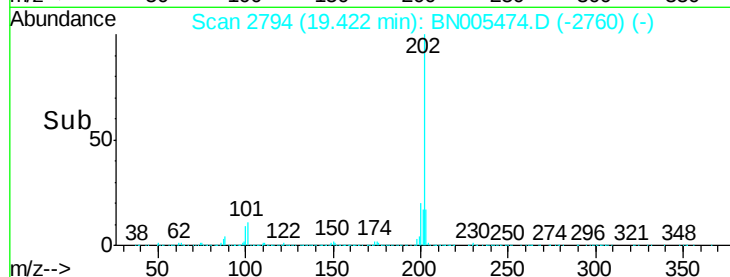
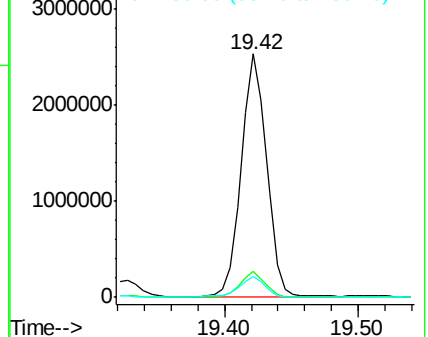
100 8.4 7.9 11.9



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



#82

Benzo(a)anthracene

Concen: 16.402 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. 0.05 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

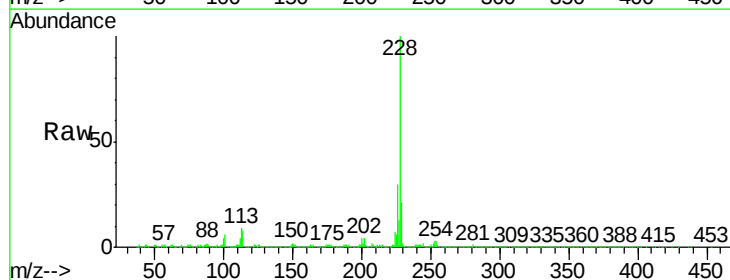
Tgt Ion:228 Resp: 1334246

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

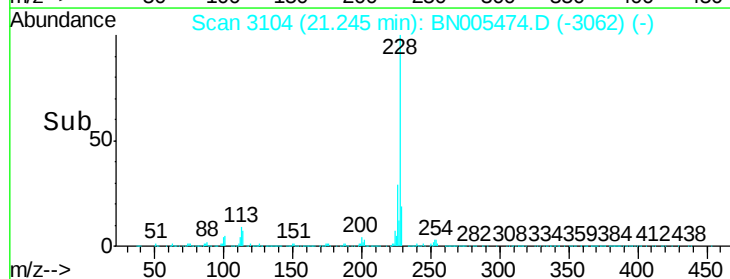
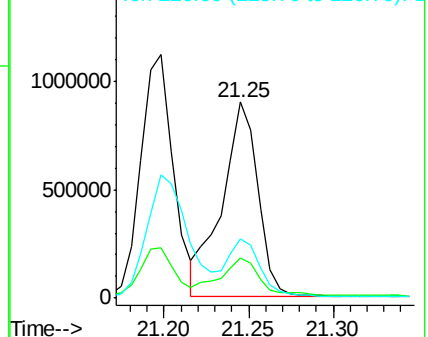
226 30.1 21.4 32.2

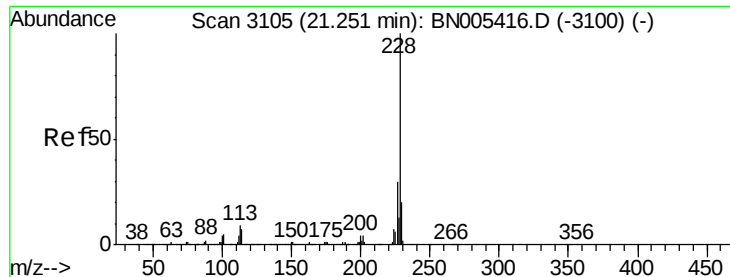


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 17.673 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

Instrument :

BNA\_N

ClientSampleId :

GAJB2

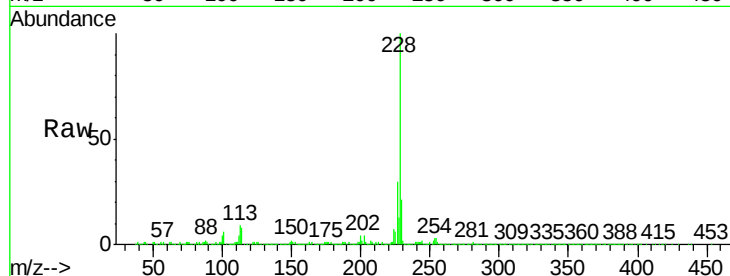
Tgt Ion:228 Resp: 1334246

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

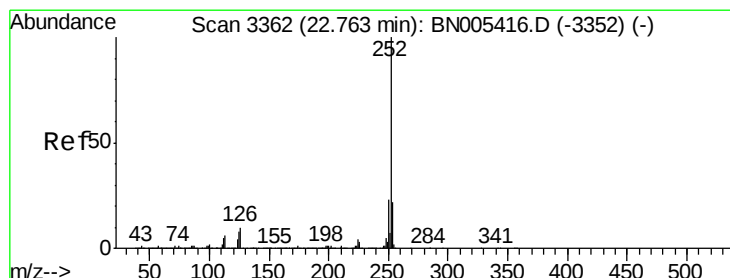
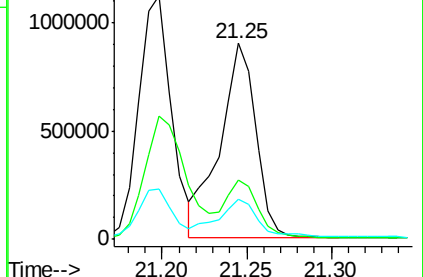
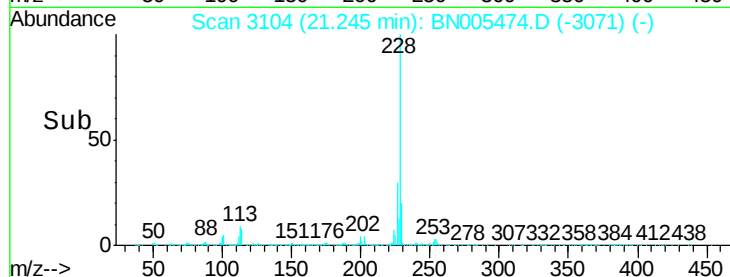
229 20.7 15.4 23.0



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



#87

Benzo(b)fluoranthene

Concen: 12.759 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

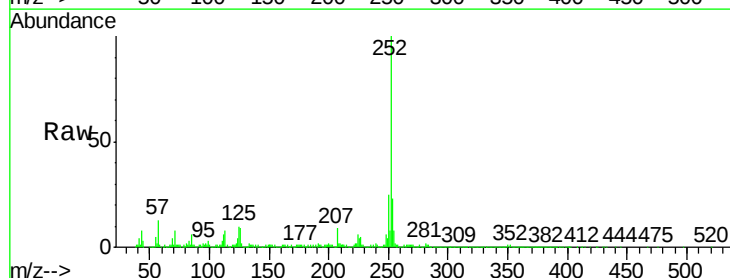
Tgt Ion:252 Resp: 1102276

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

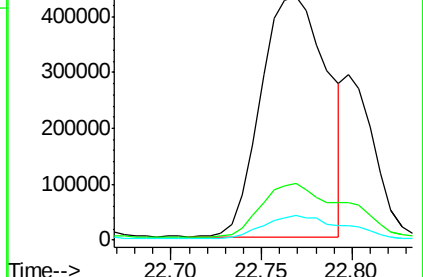
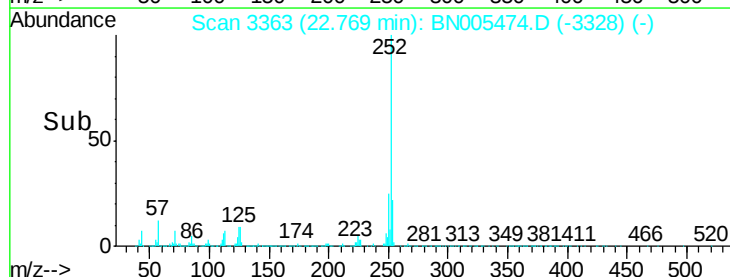
125 10.0 8.4 12.6

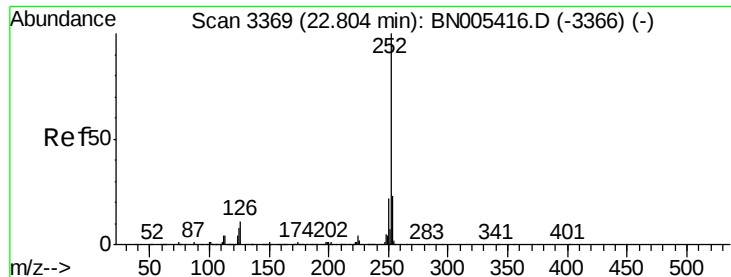


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 13.360 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.04 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

Instrument :

BNA\_N

ClientSampleId :

GAJB2

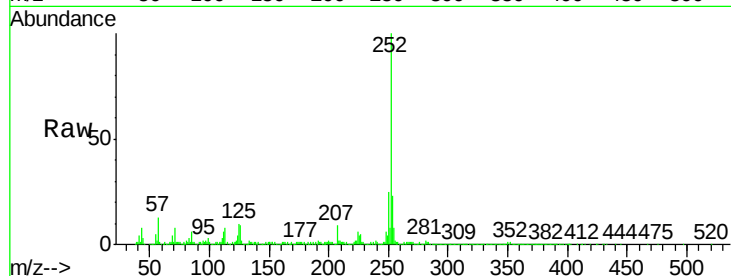
Tgt Ion:252 Resp: 1102276

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

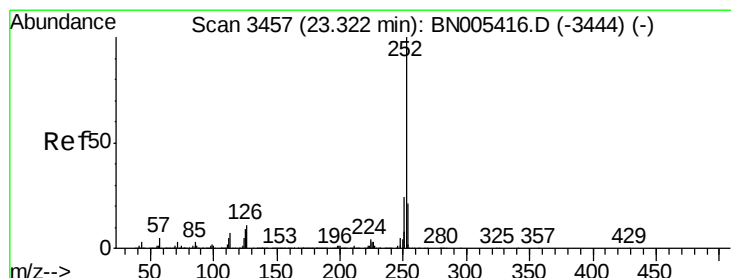
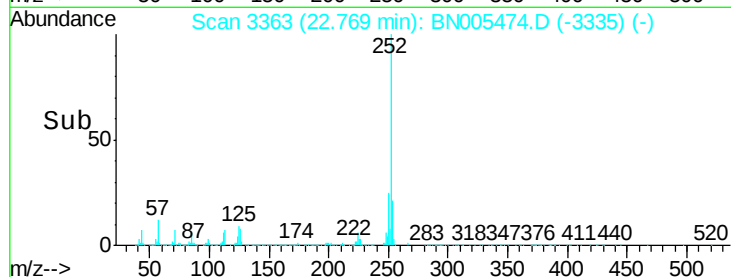
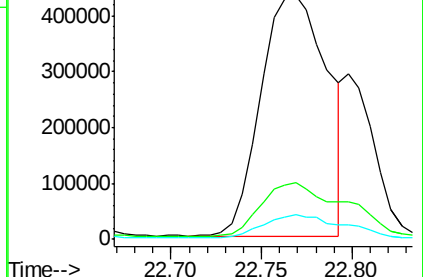
125 10.0 7.5 11.3



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



#90

Benzo(a)pyrene

Concen: 7.005 ng/ul

RT: 23.23 min Scan# 3441

Delta R.T. -0.09 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

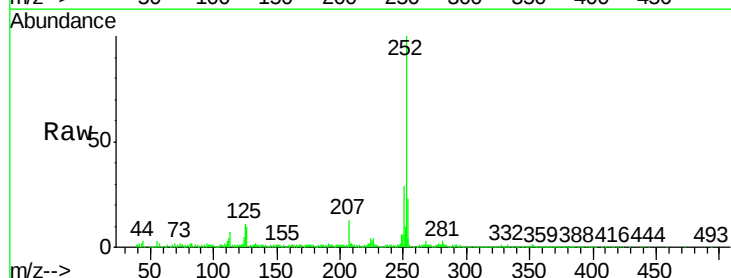
Tgt Ion:252 Resp: 568843

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

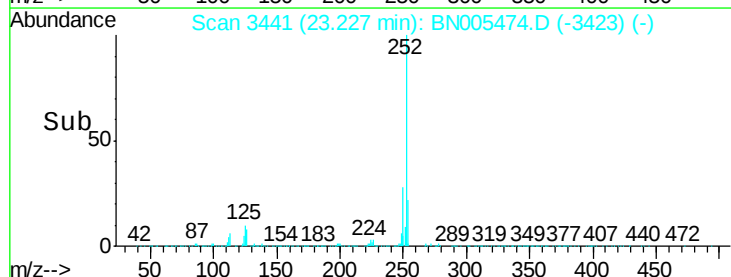
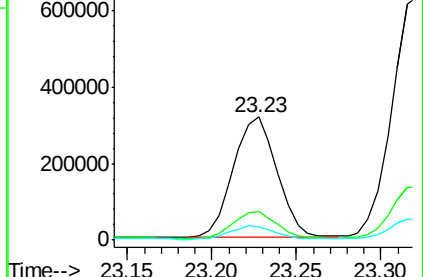
125 10.8 8.6 13.0

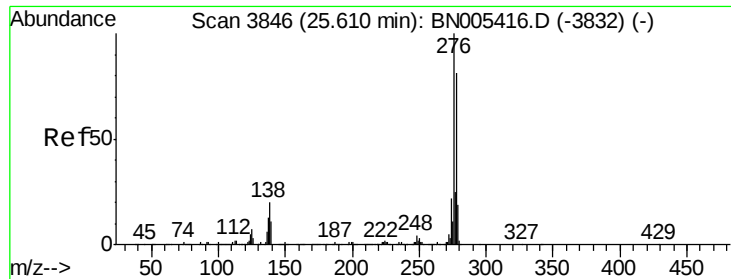


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 5.351 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.01 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

Instrument :

BNA\_N

ClientSampleId :

GAJB2

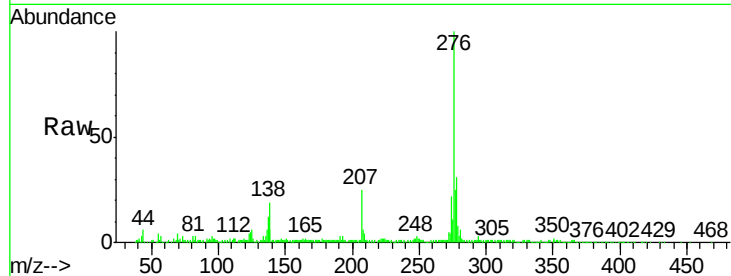
Tgt Ion:276 Resp: 480398

Ion Ratio Lower Upper

276 100

138 24.2 17.9 26.9

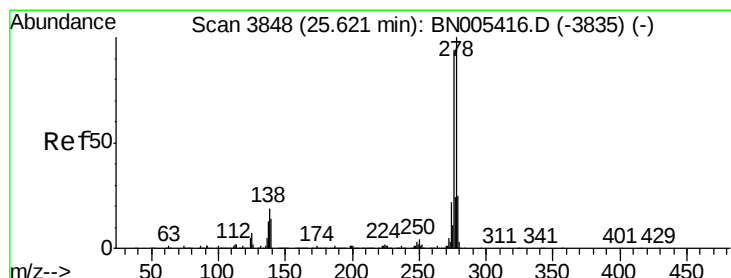
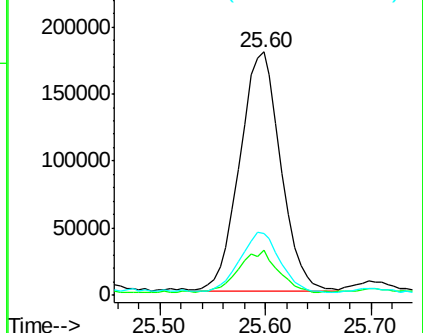
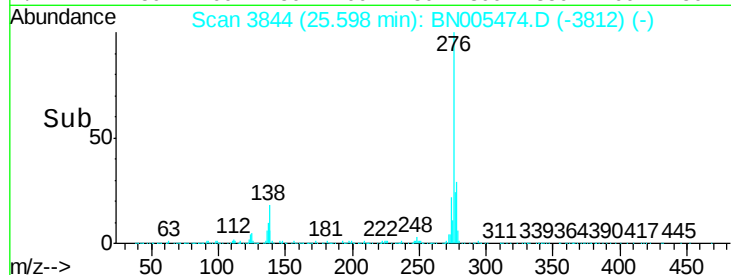
277 25.2 19.7 29.5



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



#92

Dibenzo(a,h)anthracene

Concen: 2.173 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.02 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

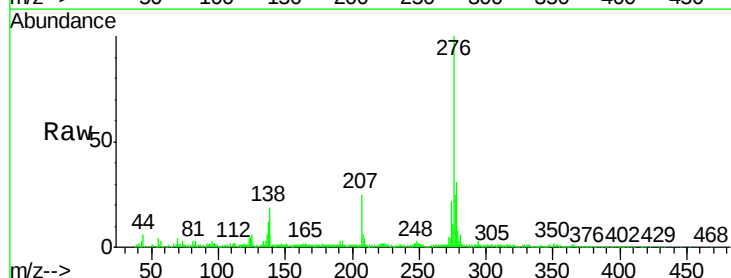
Tgt Ion:278 Resp: 165566

Ion Ratio Lower Upper

278 100

139 20.6 13.1 19.7#

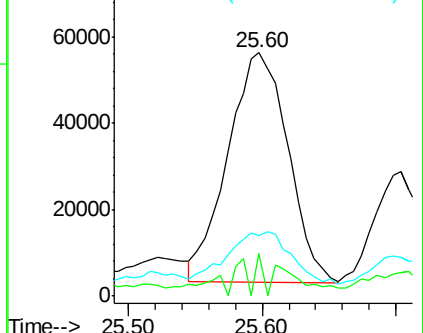
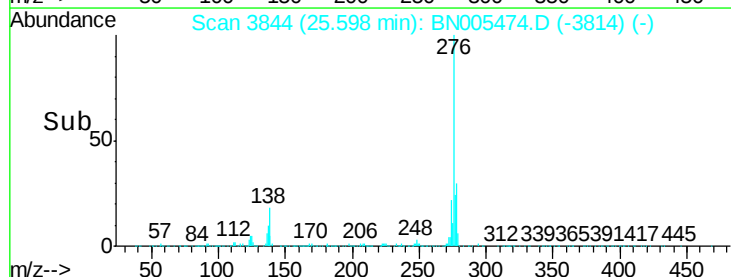
279 24.9 19.4 29.0

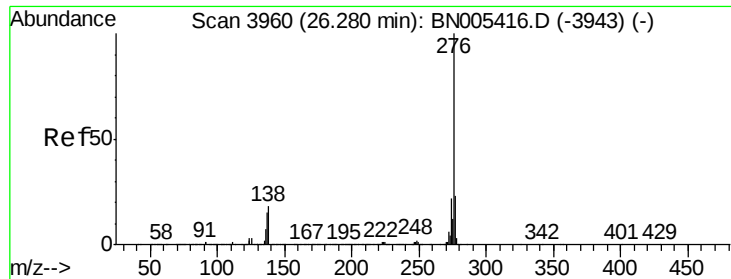


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 5.132 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.02 min

Lab File: BN005474.D

Acq: 04 May 2019 04:43

Instrument :

BNA\_N

ClientSampleId :

GAJB2

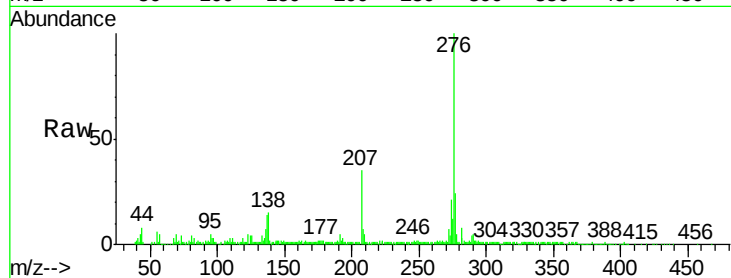
Tgt Ion: 276 Resp: 380935

Ion Ratio Lower Upper

276 100

138 15.4 16.7 25.1#

277 24.0 18.2 27.2



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

