

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090324\  
 Data File : BN033743.D  
 Acq On : 03 Sep 2024 16:21  
 Operator : MA/JU  
 Sample : P3809-09MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 YE3E3MS

Quant Time: Sep 04 01:41:46 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN082724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 04 01:39:37 2024  
 Response via : Initial Calibration

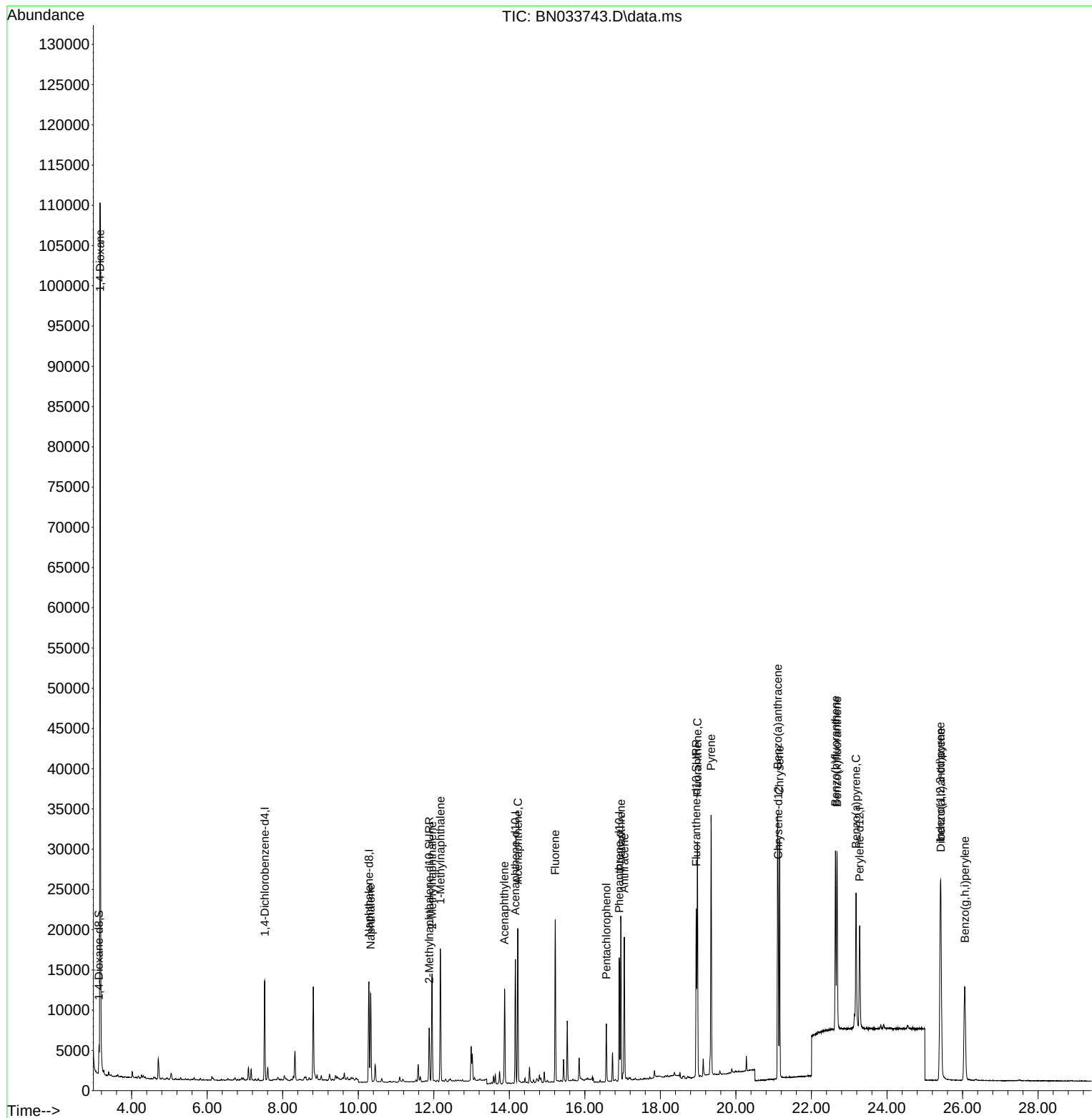
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.523  | 152  | 5981     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.283 | 136  | 16115    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.160 | 164  | 8071     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.910 | 188  | 17212    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.121 | 240  | 14779    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.278 | 264  | 15918    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.135  | 96   | 1954     | 0.318 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.878 | 152  | 8741     | 0.378 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.952 | 212  | 22372    | 0.508 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.164  | 88   | 64098    | 9.395 | ng/ul# | 75       |
| 5) Naphthalene              | 10.327 | 128  | 14686    | 0.341 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 11.955 | 142  | 9372     | 0.343 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.175 | 142  | 11327    | 0.403 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.874 | 152  | 13447    | 0.367 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.225 | 153  | 10471    | 0.396 | ng/ul  | 98       |
| 12) Fluorene                | 15.215 | 166  | 12354    | 0.418 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.568 | 266  | 4649     | 0.858 | ng/ul  | 99       |
| 15) Phenanthrene            | 16.953 | 178  | 21187    | 0.417 | ng/ul  | 99       |
| 16) Anthracene              | 17.045 | 178  | 19347    | 0.424 | ng/ul  | 99       |
| 19) Fluoranthene            | 18.980 | 202  | 24605    | 0.422 | ng/ul  | 98       |
| 20) Pyrene                  | 19.343 | 202  | 26163    | 0.423 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.106 | 228  | 24612    | 0.423 | ng/ul  | 98       |
| 22) Chrysene                | 21.156 | 228  | 24298    | 0.413 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.634 | 252  | 25705    | 0.416 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 22.678 | 252  | 25971    | 0.420 | ng/ul  | 100      |
| 26) Benzo(a)pyrene          | 23.181 | 252  | 22396    | 0.451 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.415 | 276  | 29517    | 0.396 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.428 | 278  | 22899    | 0.396 | ng/ul  | 100      |
| 29) Benzo(g,h,i)perylene    | 26.062 | 276  | 23084    | 0.396 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

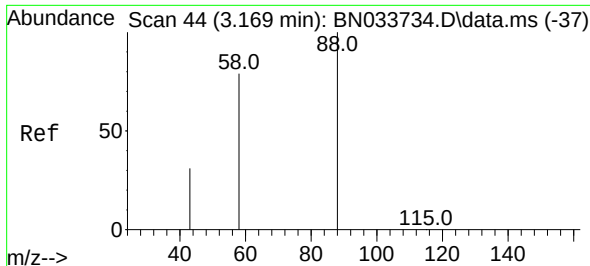
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090324\  
Data File : BN033743.D  
Acq On : 03 Sep 2024 16:21  
Operator : MA/JU  
Sample : P3809-09MS  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
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YE3E3MS

Quant Time: Sep 04 01:41:46 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN082724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 04 01:39:37 2024  
Response via : Initial Calibration

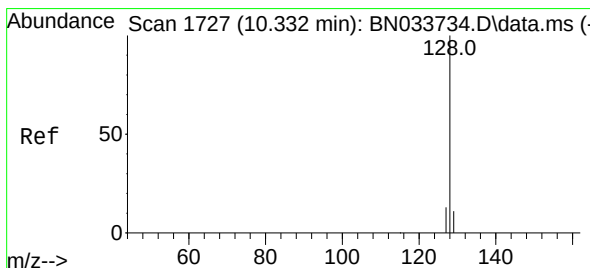
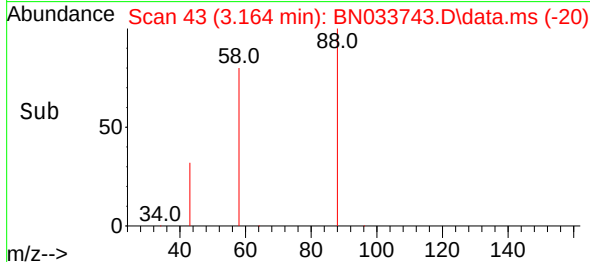
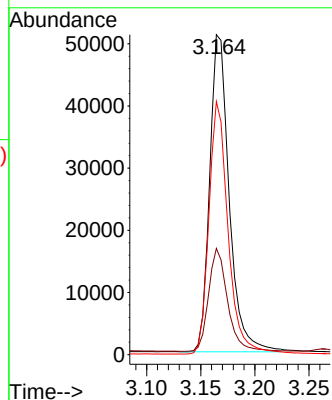
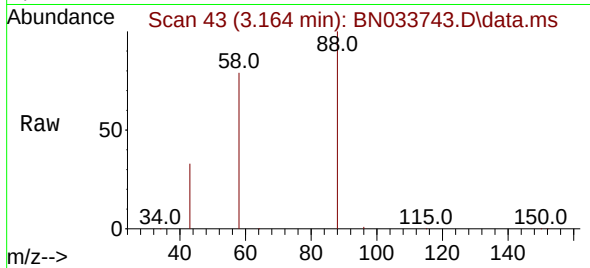




#2  
1,4-Dioxane  
Concen: 9.395 ng/ul  
RT: 3.164 min Scan# 44  
Delta R.T. -0.004 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

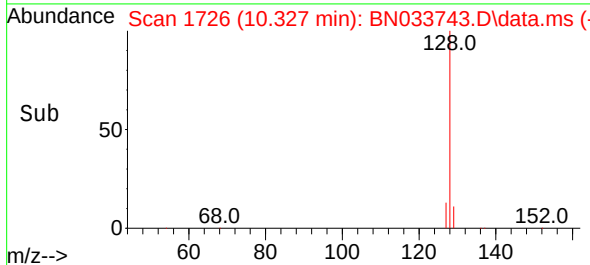
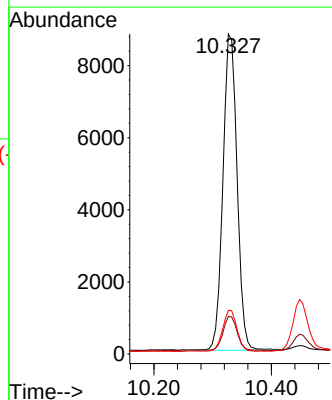
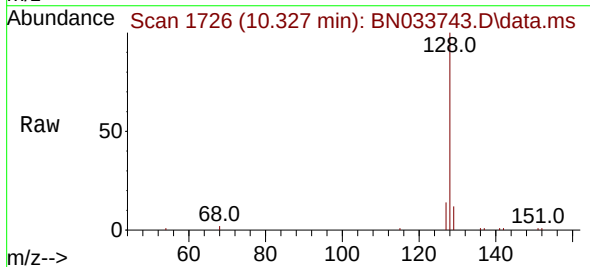
Instrument :  
BNA\_N  
ClientSampleId :  
YE3E3MS

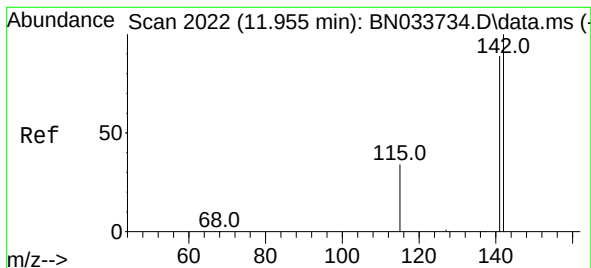
Tgt Ion: 88 Resp: 64098  
Ion Ratio Lower Upper  
88 100  
43 33.2 47.0 70.4#  
58 79.1 53.0 79.4



#5  
Naphthalene  
Concen: 0.341 ng/ul  
RT: 10.327 min Scan# 1726  
Delta R.T. -0.006 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

Tgt Ion:128 Resp: 14686  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.3 13.9  
127 13.6 10.8 16.2

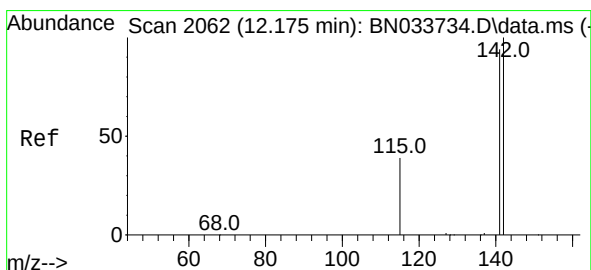
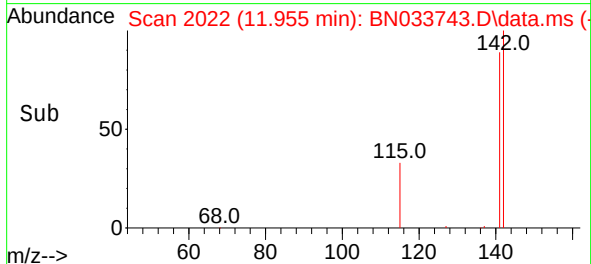
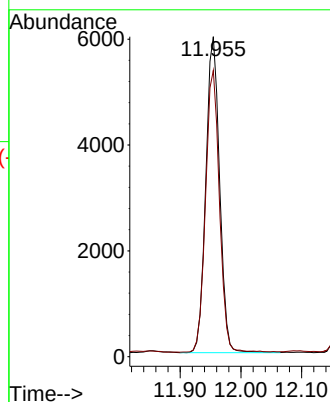
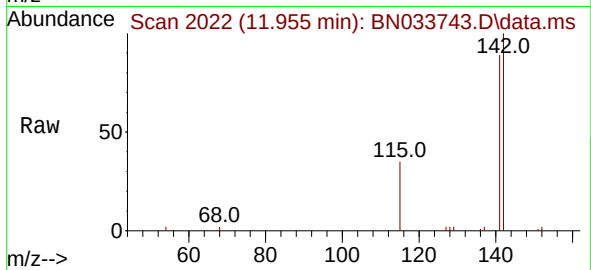




#7  
2-Methylnaphthalene  
Concen: 0.343 ng/ul  
RT: 11.955 min Scan# 2022  
Delta R.T. -0.000 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

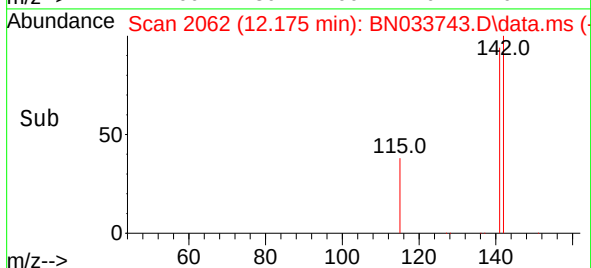
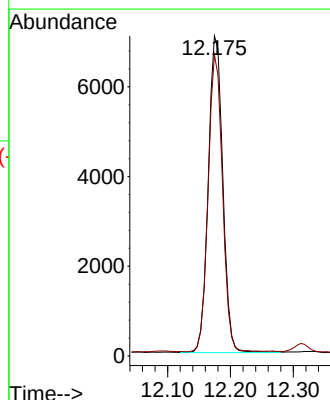
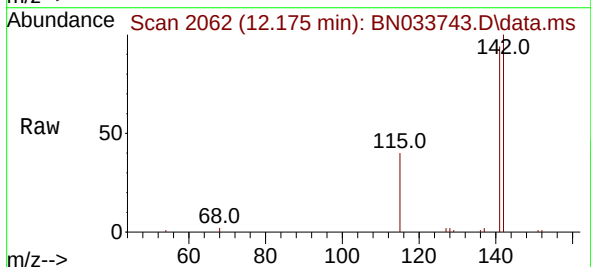
Instrument :  
BNA\_N  
ClientSampleId :  
YE3E3MS

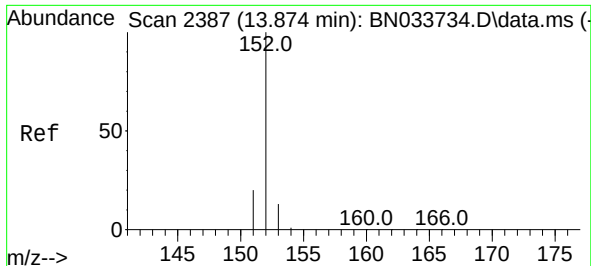
Tgt Ion:142 Resp: 9372  
Ion Ratio Lower Upper  
142 100  
141 89.8 71.1 106.7



#8  
1-Methylnaphthalene  
Concen: 0.403 ng/ul  
RT: 12.175 min Scan# 2062  
Delta R.T. -0.000 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

Tgt Ion:142 Resp: 11327  
Ion Ratio Lower Upper  
142 100  
141 92.6 73.6 110.4





#10

Acenaphthylene

Concen: 0.367 ng/ul

RT: 13.874 min Scan# 24

Delta R.T. -0.000 min

Lab File: BN033743.D

Acq: 03 Sep 2024 16:21

Instrument :

BNA\_N

ClientSampleId :

YE3E3MS

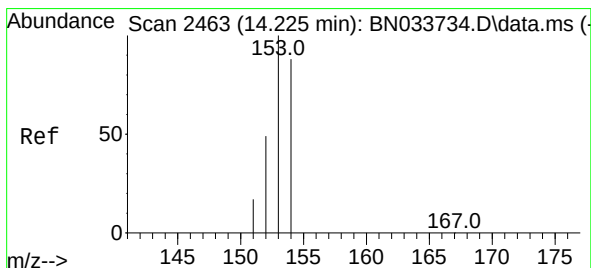
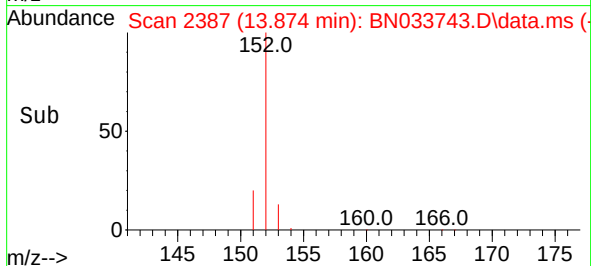
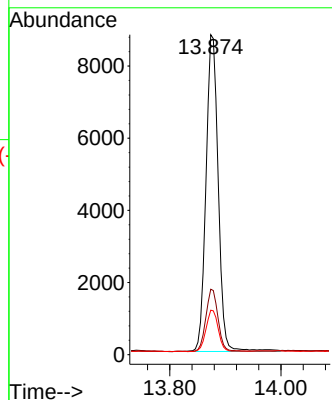
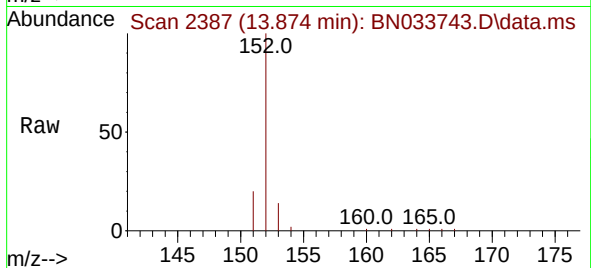
Tgt Ion:152 Resp: 13447

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

153 13.9 10.8 16.2



#11

Acenaphthene

Concen: 0.396 ng/ul

RT: 14.225 min Scan# 2463

Delta R.T. -0.000 min

Lab File: BN033743.D

Acq: 03 Sep 2024 16:21

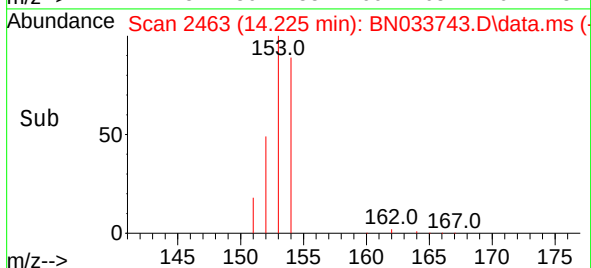
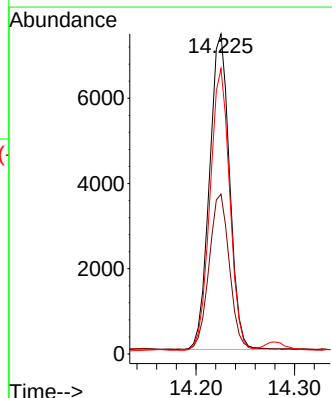
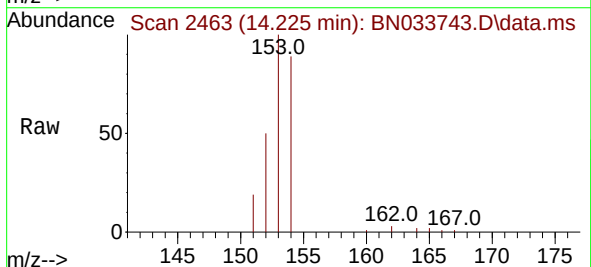
Tgt Ion:153 Resp: 10471

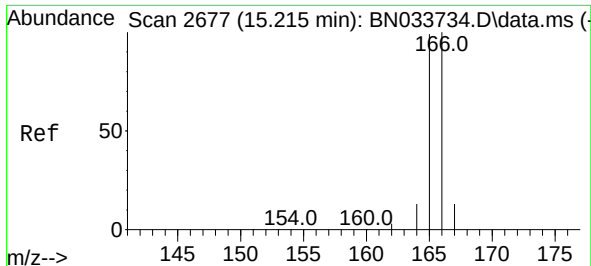
Ion Ratio Lower Upper

153 100

152 49.9 39.8 59.8

154 89.2 69.0 103.6

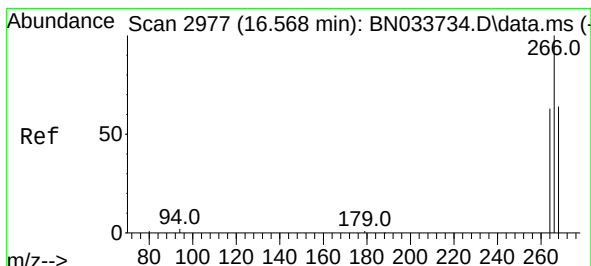
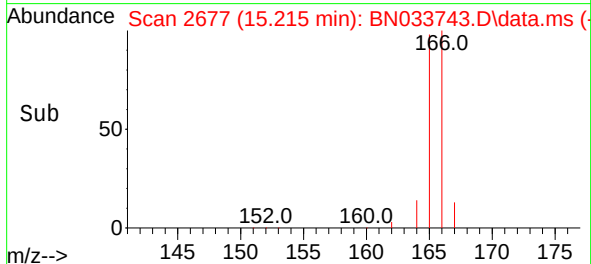
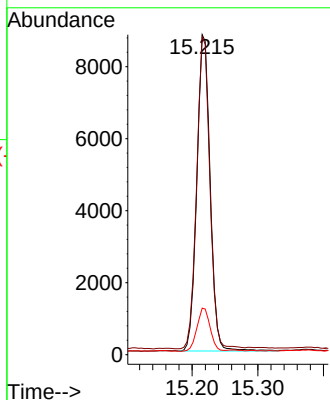
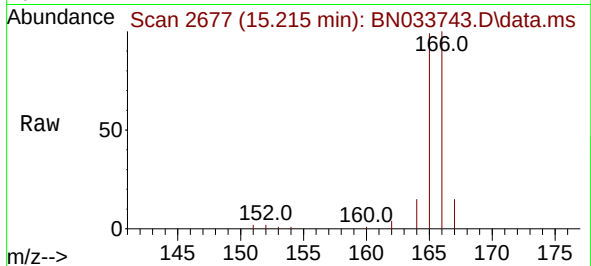




#12  
Fluorene  
Concen: 0.418 ng/ul  
RT: 15.215 min Scan# 2077  
Delta R.T. -0.000 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

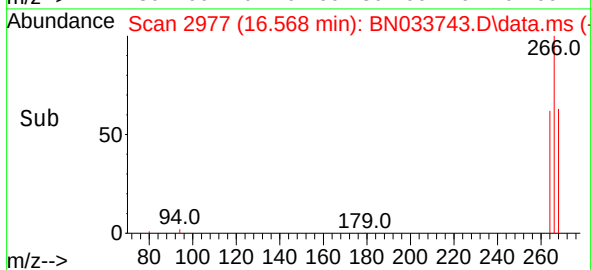
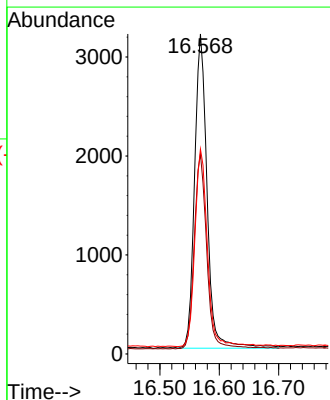
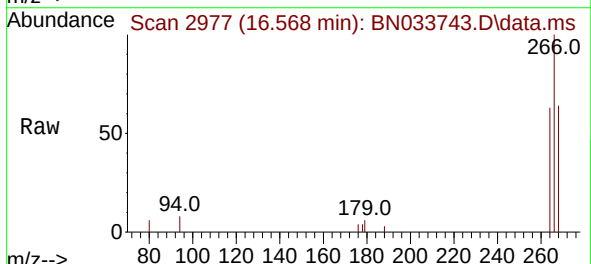
Instrument :  
BNA\_N  
ClientSampleId :  
YE3E3MS

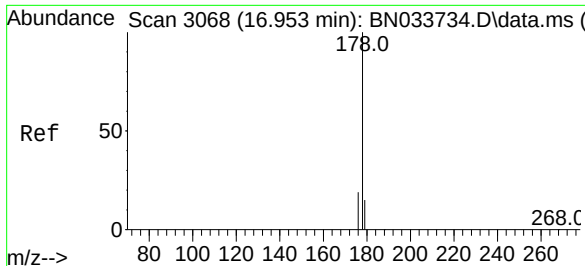
Tgt Ion:166 Resp: 12354  
Ion Ratio Lower Upper  
166 100  
165 99.3 79.1 118.7  
167 14.5 11.4 17.0



#14  
Pentachlorophenol  
Concen: 0.858 ng/ul  
RT: 16.568 min Scan# 2977  
Delta R.T. -0.000 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

Tgt Ion:266 Resp: 4649  
Ion Ratio Lower Upper  
266 100  
264 62.2 50.3 75.5  
268 63.1 51.7 77.5

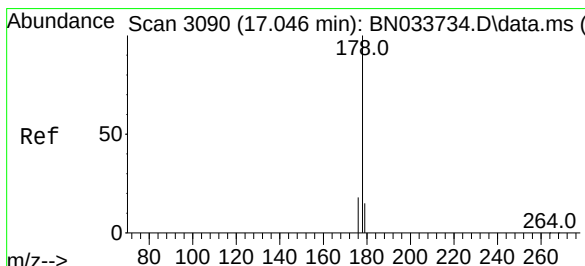
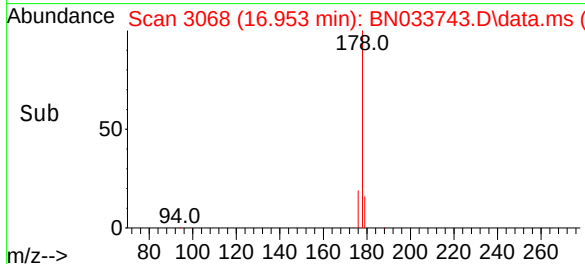
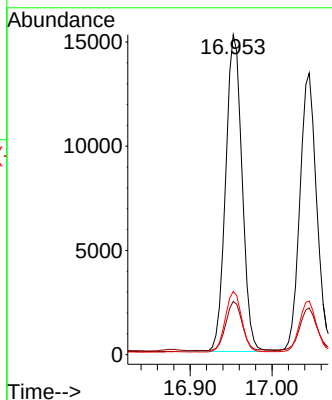
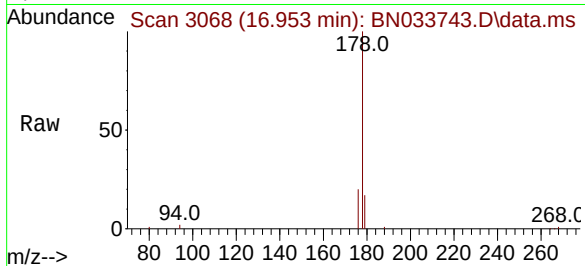




#15  
Phenanthrene  
Concen: 0.417 ng/ul  
RT: 16.953 min Scan# 3068  
Delta R.T. -0.000 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

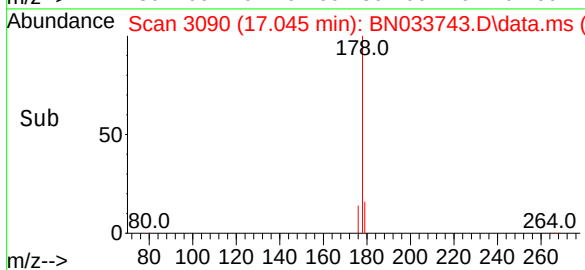
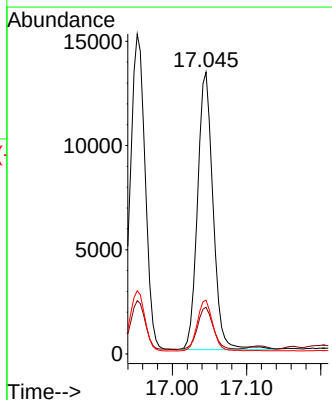
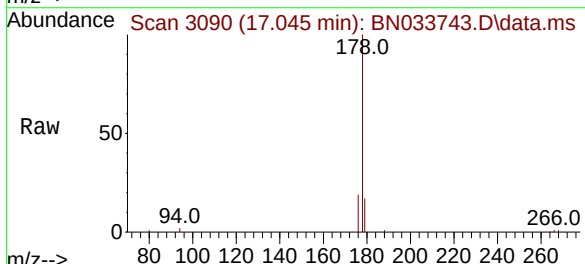
Instrument :  
BNA\_N  
ClientSampleId :  
YE3E3MS

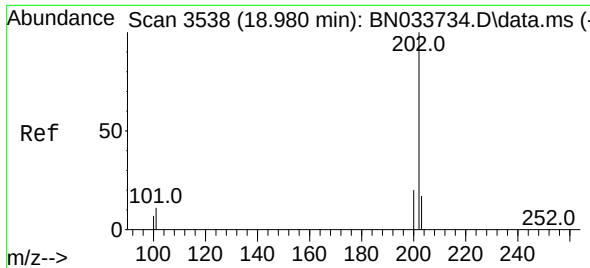
Tgt Ion:178 Resp: 21187  
Ion Ratio Lower Upper  
178 100  
179 16.6 12.9 19.3  
176 19.8 15.7 23.5



#16  
Anthracene  
Concen: 0.424 ng/ul  
RT: 17.045 min Scan# 3090  
Delta R.T. -0.000 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

Tgt Ion:178 Resp: 19347  
Ion Ratio Lower Upper  
178 100  
179 16.6 13.0 19.4  
176 19.1 15.2 22.8





#19

Fluoranthene

Concen: 0.422 ng/ul

RT: 18.980 min Scan# 3538

Delta R.T. -0.000 min

Lab File: BN033743.D

Acq: 03 Sep 2024 16:21

Instrument :

BNA\_N

ClientSampleId :

YE3E3MS

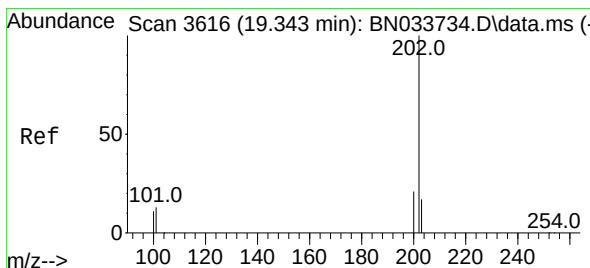
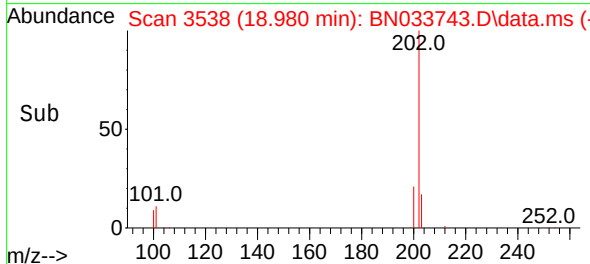
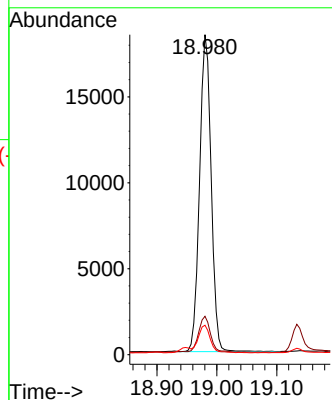
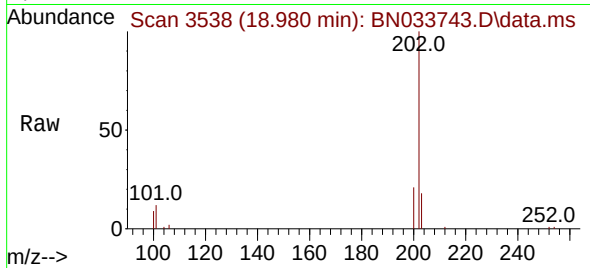
Tgt Ion:202 Resp: 24605

Ion Ratio Lower Upper

202 100

101 12.0 9.0 13.4

100 9.2 6.7 10.1



#20

Pyrene

Concen: 0.423 ng/ul

RT: 19.343 min Scan# 3616

Delta R.T. -0.000 min

Lab File: BN033743.D

Acq: 03 Sep 2024 16:21

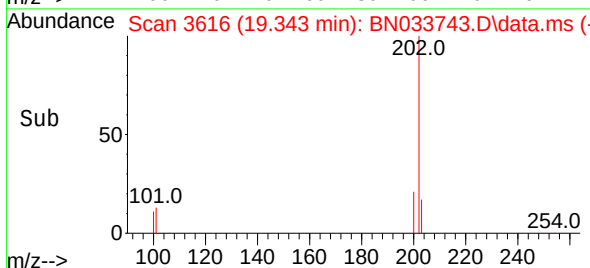
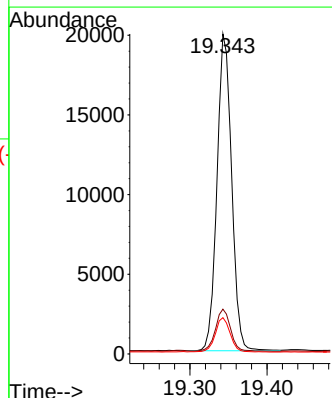
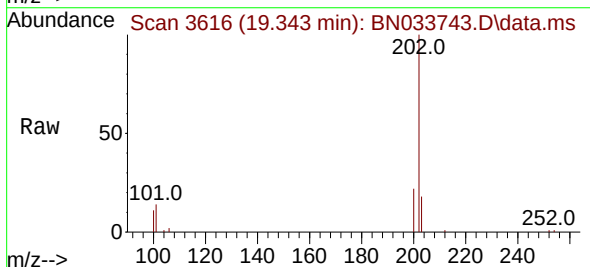
Tgt Ion:202 Resp: 26163

Ion Ratio Lower Upper

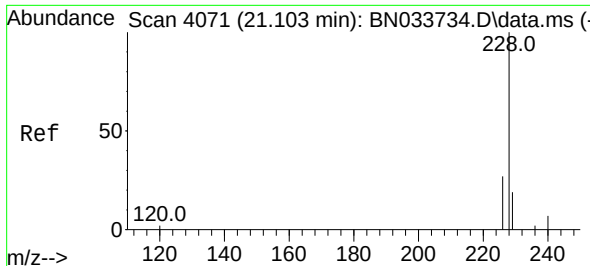
202 100

101 14.0 10.8 16.2

100 11.4 8.7 13.1



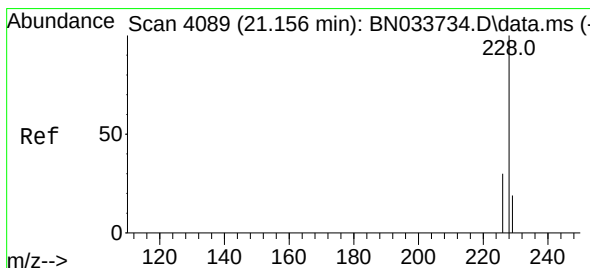
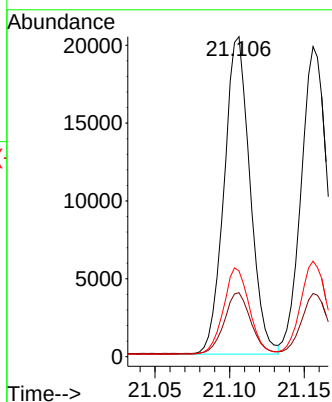
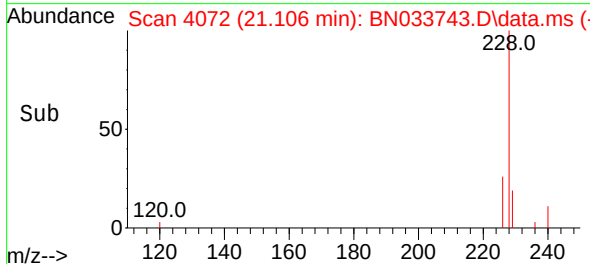
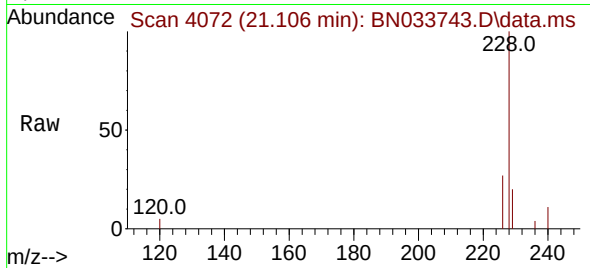




#21  
Benzo(a)anthracene  
Concen: 0.423 ng/ul  
RT: 21.106 min Scan# 4072  
Delta R.T. 0.003 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

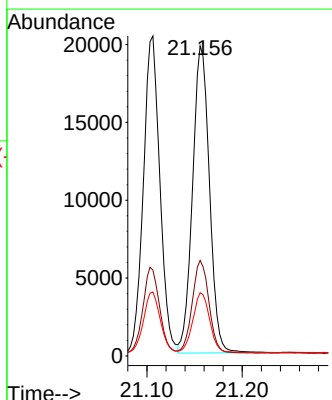
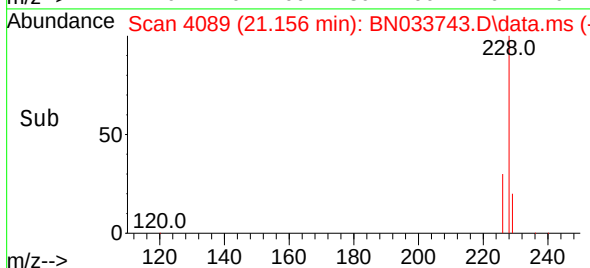
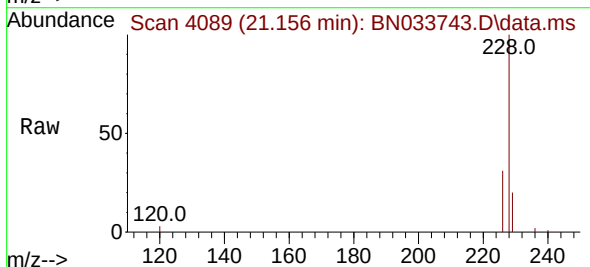
Instrument :  
BNA\_N  
ClientSampleId :  
YE3E3MS

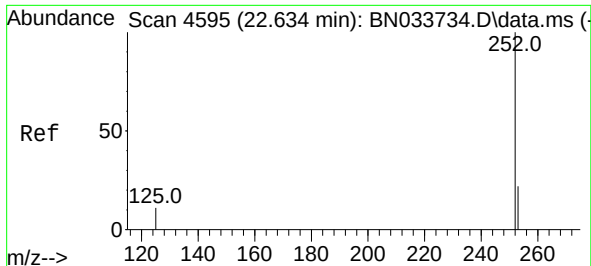
Tgt Ion:228 Resp: 24612  
Ion Ratio Lower Upper  
228 100  
229 20.0 15.4 23.2  
226 26.8 22.1 33.1



#22  
Chrysene  
Concen: 0.413 ng/ul  
RT: 21.156 min Scan# 4089  
Delta R.T. -0.000 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

Tgt Ion:228 Resp: 24298  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.2 36.2  
229 20.4 15.6 23.4

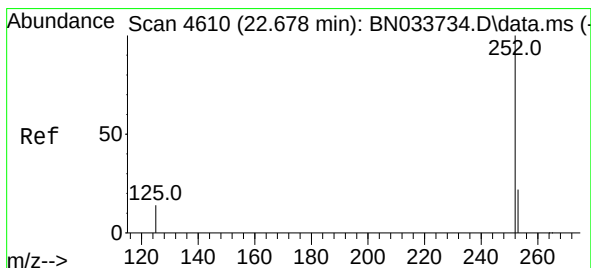
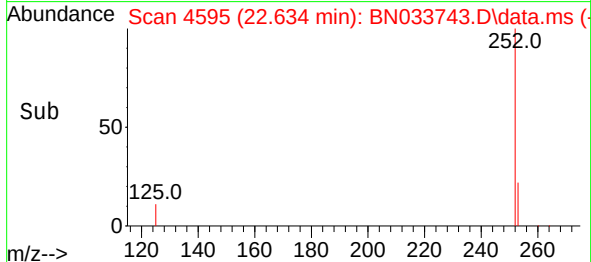
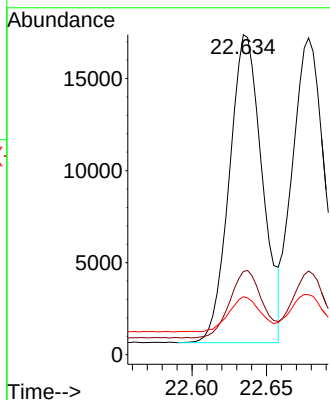
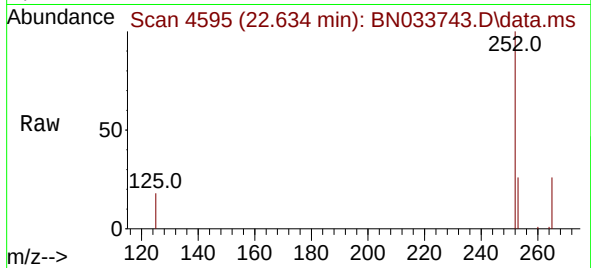




#24  
Benzo(b)fluoranthene  
Concen: 0.416 ng/ul  
RT: 22.634 min Scan# 4595  
Delta R.T. -0.000 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

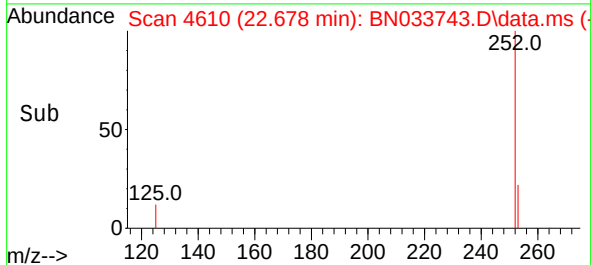
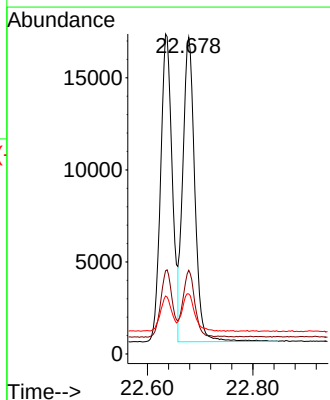
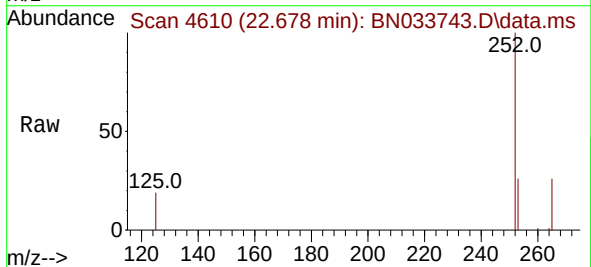
Instrument :  
BNA\_N  
ClientSampleId :  
YE3E3MS

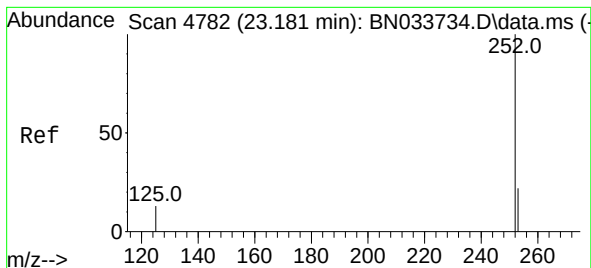
Tgt Ion:252 Resp: 25705  
Ion Ratio Lower Upper  
252 100  
253 26.0 0.0 52.8  
125 18.1 0.0 36.4



#25  
Benzo(k)fluoranthene  
Concen: 0.420 ng/ul  
RT: 22.678 min Scan# 4610  
Delta R.T. -0.000 min  
Lab File: BN033743.D  
Acq: 03 Sep 2024 16:21

Tgt Ion:252 Resp: 25971  
Ion Ratio Lower Upper  
252 100  
253 26.4 21.4 32.0  
125 18.9 15.1 22.7





#26

Benzo(a)pyrene

Concen: 0.451 ng/ul

RT: 23.181 min Scan# 4782

Delta R.T. -0.000 min

Lab File: BN033743.D

Acq: 03 Sep 2024 16:21

Instrument :

BNA\_N

ClientSampleId :

YE3E3MS

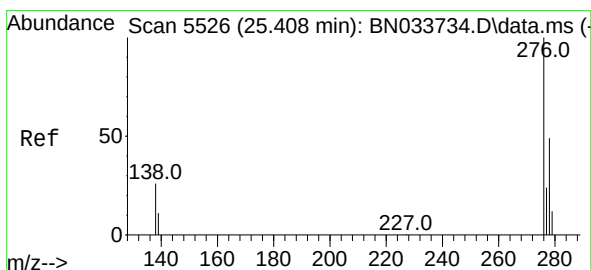
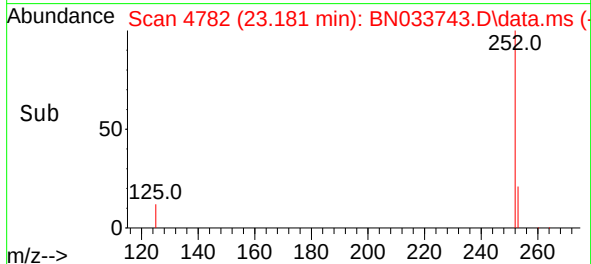
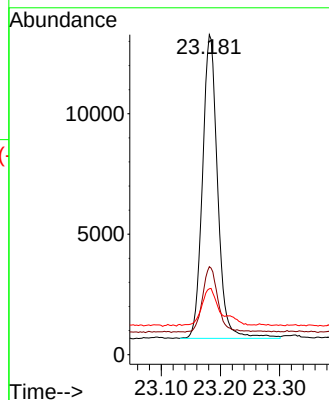
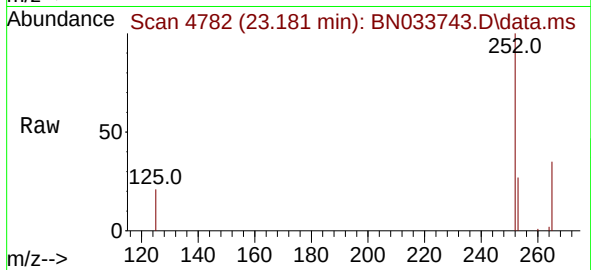
Tgt Ion:252 Resp: 22396

Ion Ratio Lower Upper

252 100

253 27.5 22.8 34.2

125 20.6 18.0 27.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.396 ng/ul

RT: 25.415 min Scan# 5528

Delta R.T. 0.007 min

Lab File: BN033743.D

Acq: 03 Sep 2024 16:21

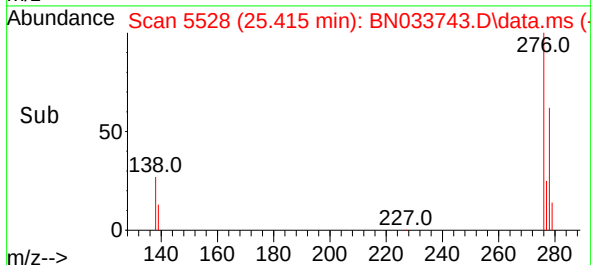
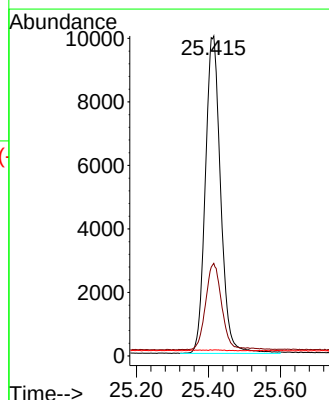
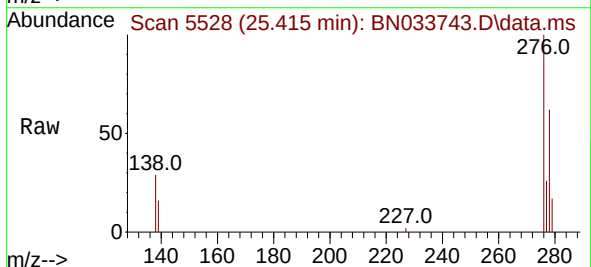
Tgt Ion:276 Resp: 29517

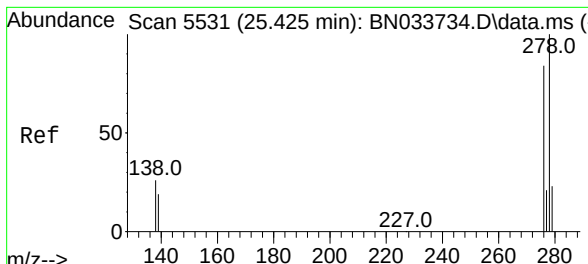
Ion Ratio Lower Upper

276 100

138 28.6 22.3 33.5

227 0.1 0.2 0.4#





#28

Dibenzo(a,h)anthracene

Concen: 0.396 ng/ul

RT: 25.428 min Scan# 51

Delta R.T. 0.003 min

Lab File: BN033743.D

Acq: 03 Sep 2024 16:21

Instrument :

BNA\_N

ClientSampleId :

YE3E3MS

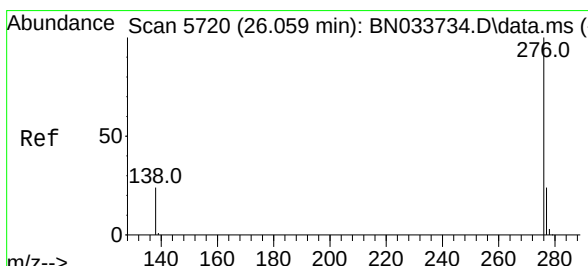
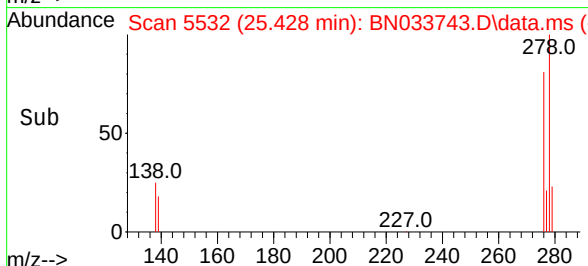
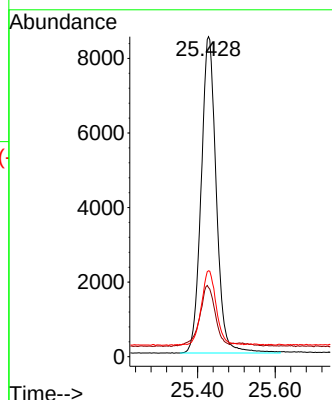
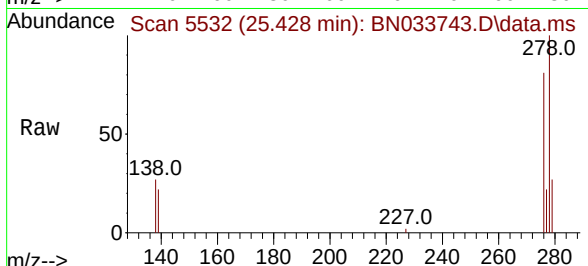
Tgt Ion:278 Resp: 22899

Ion Ratio Lower Upper

278 100

139 21.6 17.3 25.9

279 26.8 21.5 32.3



#29

Benzo(g,h,i)perylene

Concen: 0.396 ng/ul

RT: 26.062 min Scan# 5721

Delta R.T. 0.003 min

Lab File: BN033743.D

Acq: 03 Sep 2024 16:21

Tgt Ion:276 Resp: 23084

Ion Ratio Lower Upper

276 100

138 25.5 20.8 31.2

277 25.1 20.2 30.4

