

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091424\  
 Data File : BN033942.D  
 Acq On : 15 Sep 2024 08:02  
 Operator : JU/RC  
 Sample : PB163350BS  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS350

Quant Time: Sep 16 00:12:25 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 : Sun Sep 15 01:52:43 2024  
 Response via : Initial Calibration

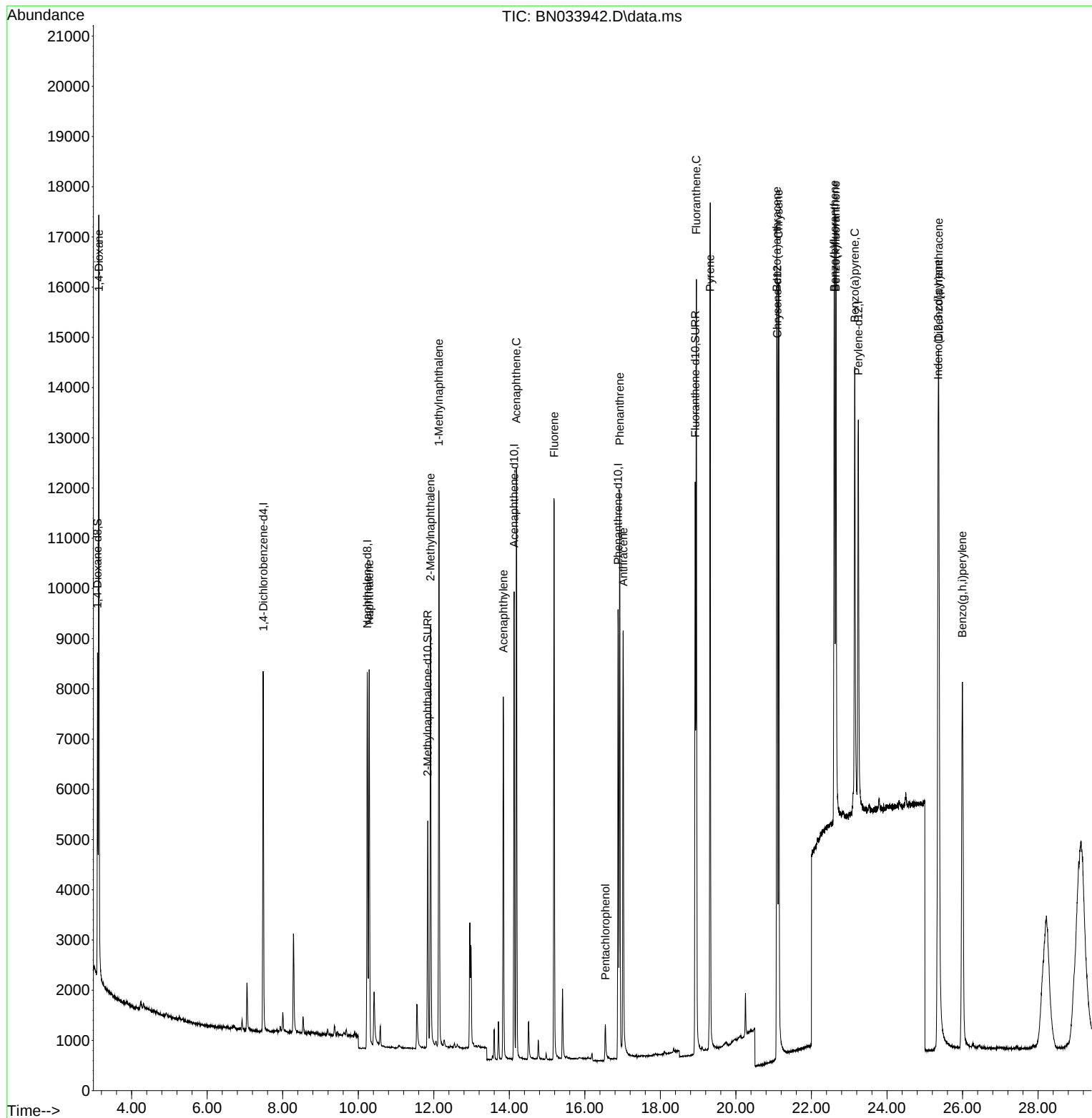
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.485  | 152  | 3664     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.239 | 136  | 10131    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.128 | 164  | 5180     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.881 | 188  | 10838    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.098 | 240  | 9449     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.240 | 264  | 10404    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.097  | 96   | 3586     | 0.952 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.839 | 152  | 6460     | 0.444 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.925 | 212  | 13224    | 0.469 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.131  | 88   | 8726     | 2.088 | ng/ul# | 81       |
| 5) Naphthalene              | 10.288 | 128  | 10233    | 0.378 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 11.916 | 142  | 6449     | 0.376 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.136 | 142  | 7707     | 0.437 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.841 | 152  | 8322     | 0.354 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.188 | 153  | 6836     | 0.403 | ng/ul  | 99       |
| 12) Fluorene                | 15.188 | 166  | 7362     | 0.388 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.543 | 266  | 705      | 0.207 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.923 | 178  | 11665    | 0.365 | ng/ul  | 99       |
| 16) Anthracene              | 17.016 | 178  | 10246    | 0.357 | ng/ul  | 99       |
| 19) Fluoranthene            | 18.952 | 202  | 13730    | 0.368 | ng/ul  | 99       |
| 20) Pyrene                  | 19.320 | 202  | 14409    | 0.364 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.083 | 228  | 12963    | 0.348 | ng/ul  | 99       |
| 22) Chrysene                | 21.133 | 228  | 14630    | 0.389 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.605 | 252  | 14726    | 0.365 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 22.646 | 252  | 15595    | 0.386 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 23.146 | 252  | 13283    | 0.410 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.354 | 276  | 18211    | 0.374 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.371 | 278  | 14113    | 0.373 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 25.998 | 276  | 14791    | 0.389 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

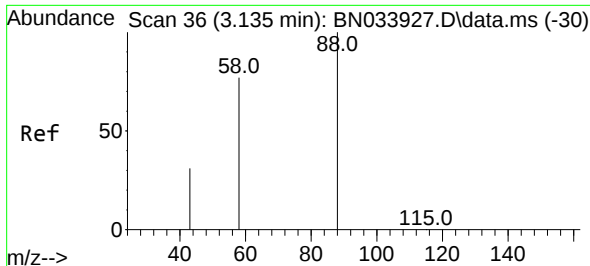
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091424\  
Data File : BN033942.D  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Sep 15 01:52:43 2024  
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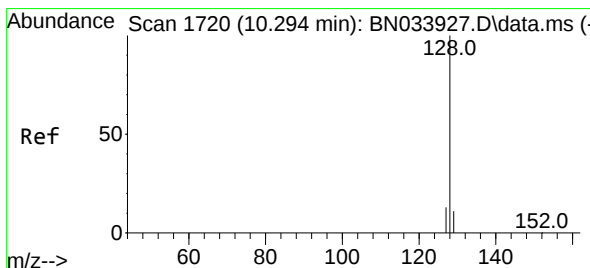
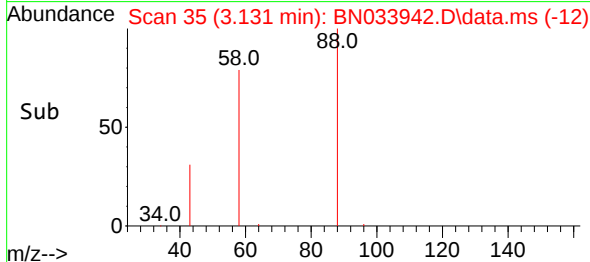
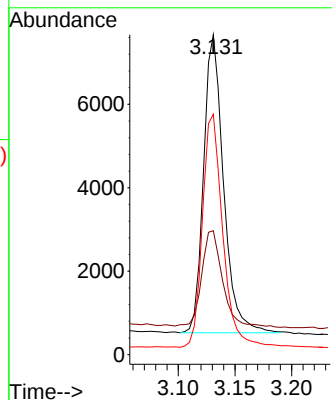
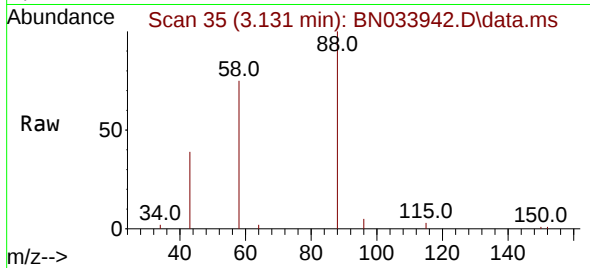




#2  
1,4-Dioxane  
Concen: 2.088 ng/ul  
RT: 3.131 min Scan# 31  
Delta R.T. -0.004 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

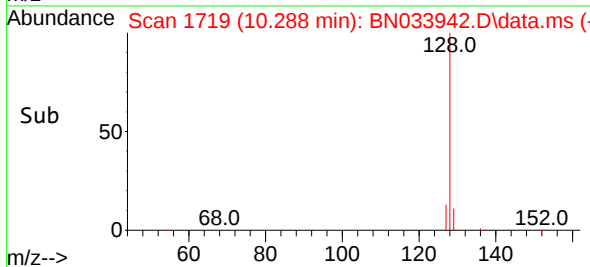
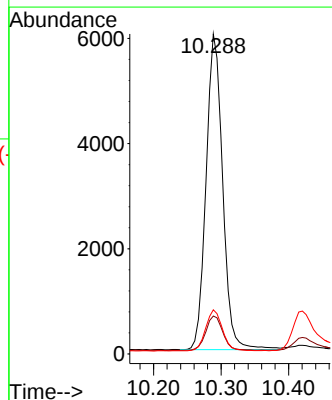
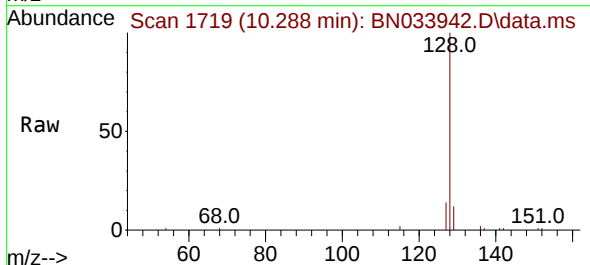
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS350

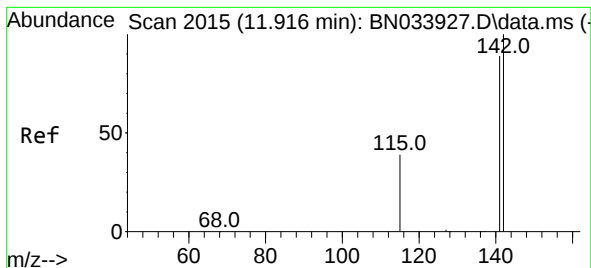
Tgt Ion: 88 Resp: 8726  
Ion Ratio Lower Upper  
88 100  
43 38.8 47.0 70.4#  
58 75.2 53.0 79.4



#5  
Naphthalene  
Concen: 0.378 ng/ul  
RT: 10.288 min Scan# 1719  
Delta R.T. -0.005 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

Tgt Ion:128 Resp: 10233  
Ion Ratio Lower Upper  
128 100  
129 11.8 9.3 13.9  
127 13.8 10.8 16.2

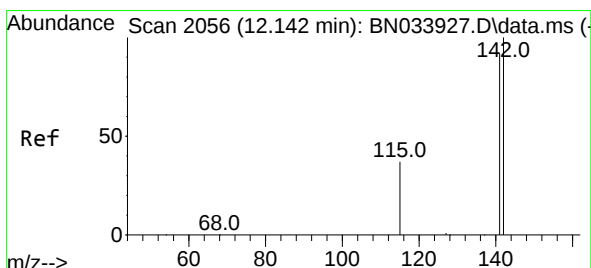
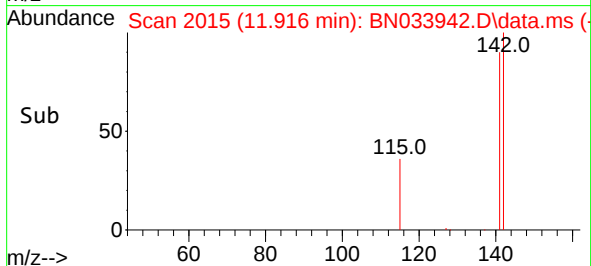
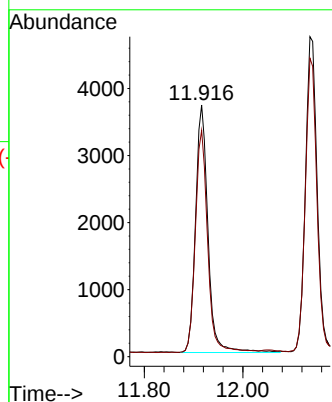
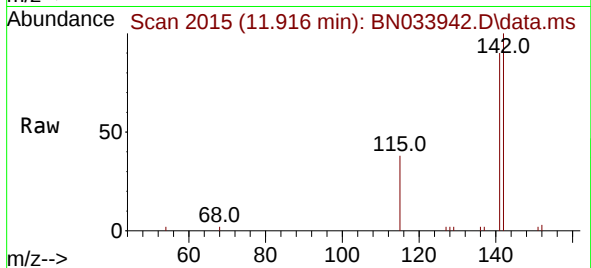




#7  
2-Methylnaphthalene  
Concen: 0.376 ng/ul  
RT: 11.916 min Scan# 2015  
Delta R.T. -0.005 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

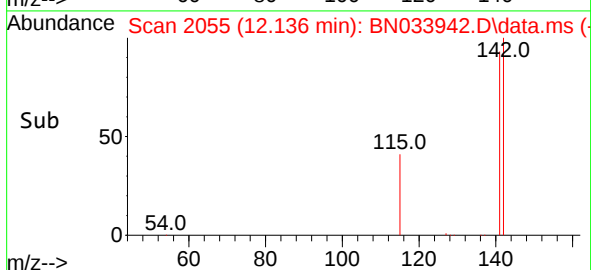
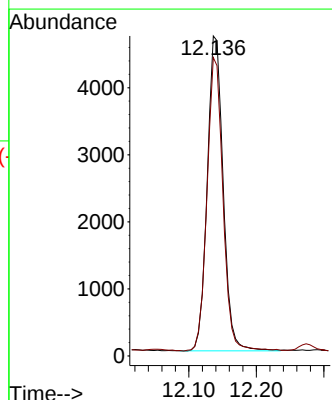
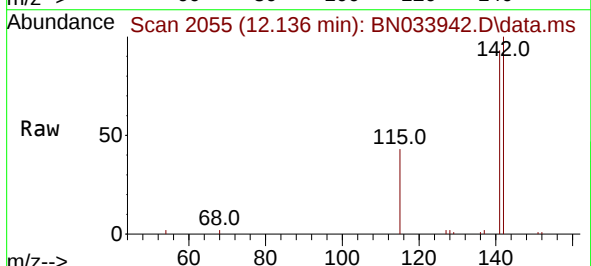
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS350

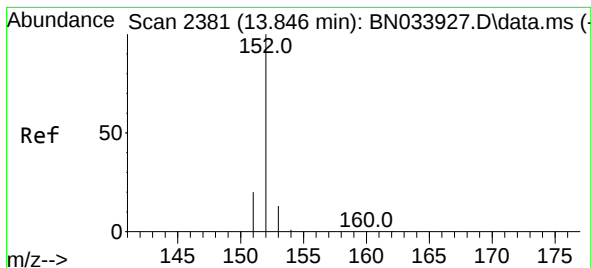
Tgt Ion:142 Resp: 6449  
Ion Ratio Lower Upper  
142 100  
141 89.0 71.1 106.7



#8  
1-Methylnaphthalene  
Concen: 0.437 ng/ul  
RT: 12.136 min Scan# 2055  
Delta R.T. -0.005 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

Tgt Ion:142 Resp: 7707  
Ion Ratio Lower Upper  
142 100  
141 93.4 73.6 110.4





#10

Acenaphthylene

Concen: 0.354 ng/ul

RT: 13.841 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN033942.D

Acq: 15 Sep 2024 08:02

Instrument :

BNA\_N

ClientSampleId :

SLCS350

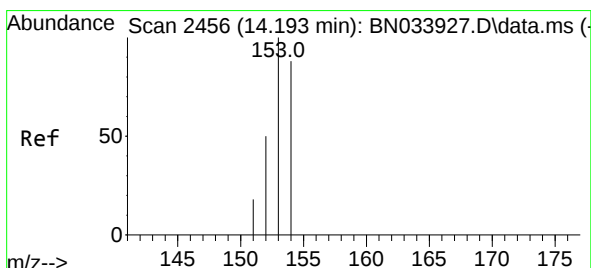
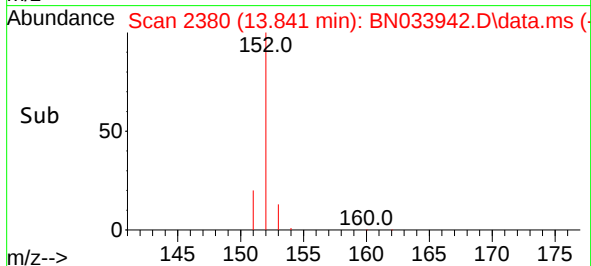
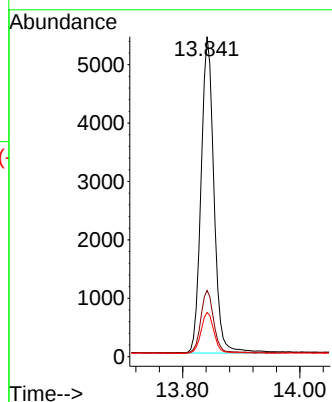
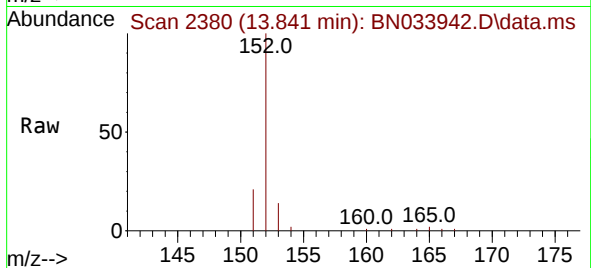
Tgt Ion:152 Resp: 8322

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4

153 13.8 10.8 16.2



#11

Acenaphthene

Concen: 0.403 ng/ul

RT: 14.188 min Scan# 2455

Delta R.T. -0.005 min

Lab File: BN033942.D

Acq: 15 Sep 2024 08:02

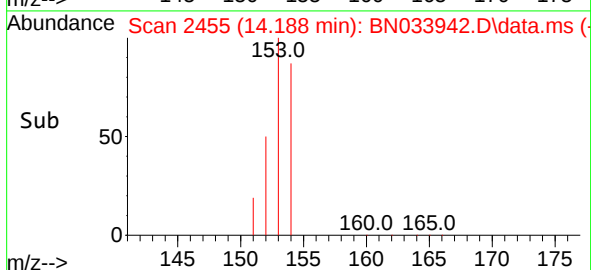
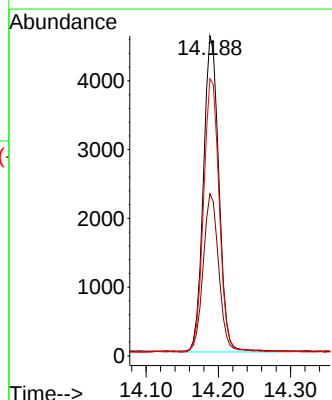
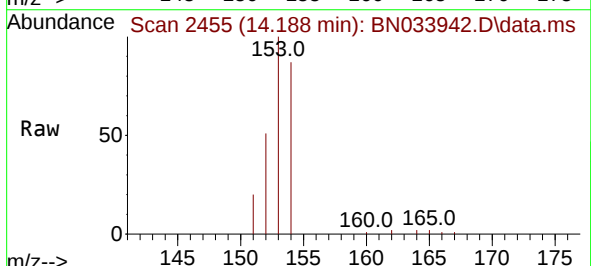
Tgt Ion:153 Resp: 6836

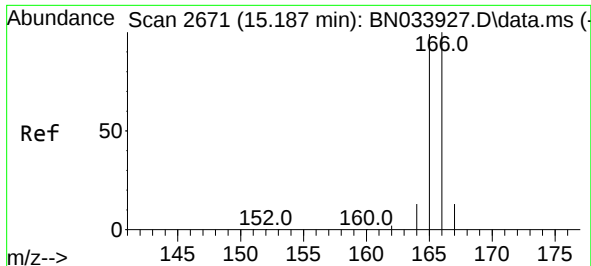
Ion Ratio Lower Upper

153 100

152 50.7 39.8 59.8

154 86.7 69.0 103.6

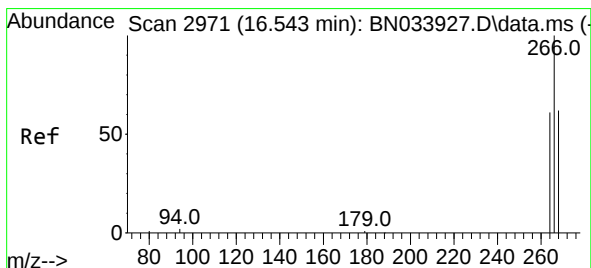
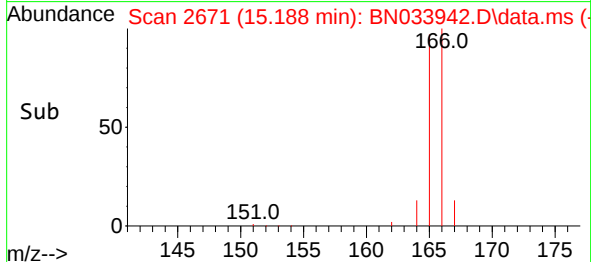
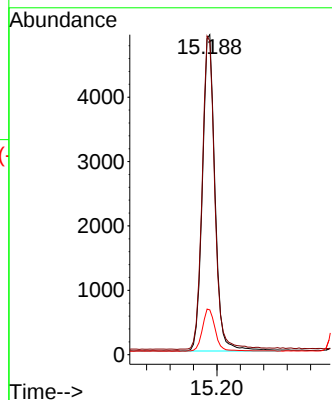
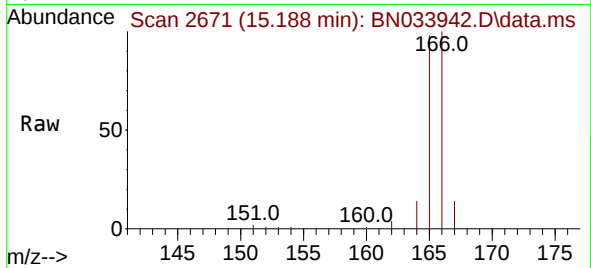




#12  
Fluorene  
Concen: 0.388 ng/ul  
RT: 15.188 min Scan# 2671  
Delta R.T. 0.000 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

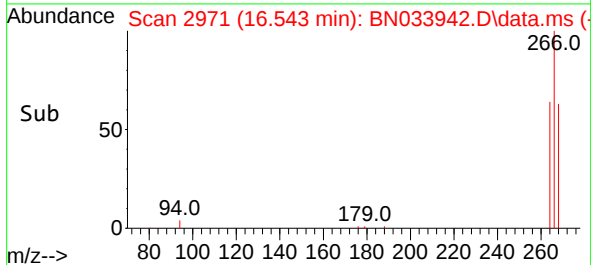
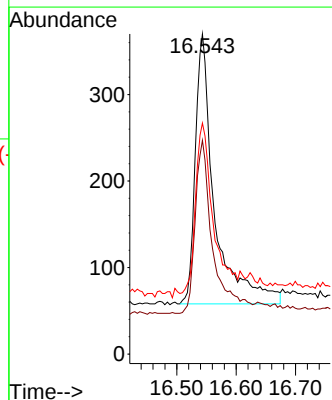
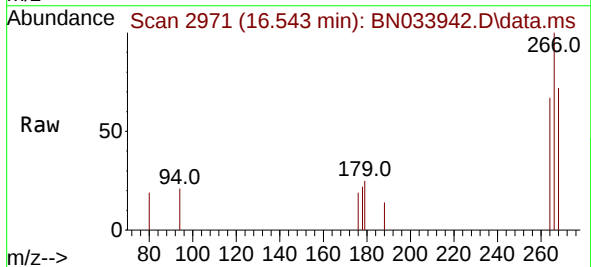
Instrument :  
BNA\_N  
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SLCS350

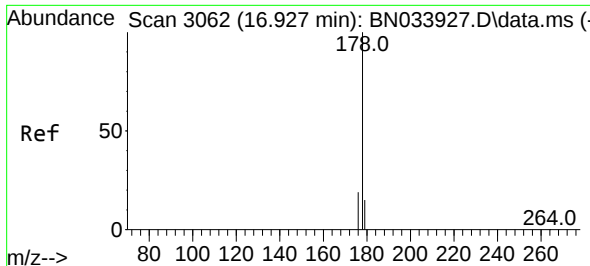
Tgt Ion:166 Resp: 7362  
Ion Ratio Lower Upper  
166 100  
165 98.0 79.1 118.7  
167 14.0 11.4 17.0



#14  
Pentachlorophenol  
Concen: 0.207 ng/ul  
RT: 16.543 min Scan# 2971  
Delta R.T. 0.000 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

Tgt Ion:266 Resp: 705  
Ion Ratio Lower Upper  
266 100  
264 62.1 50.3 75.5  
268 67.4 51.7 77.5

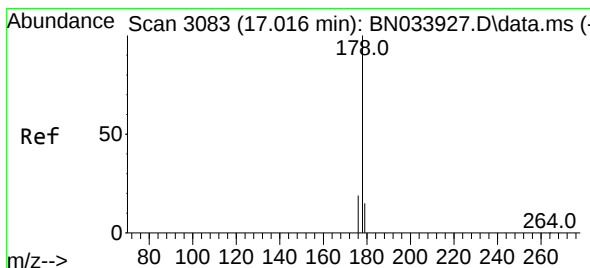
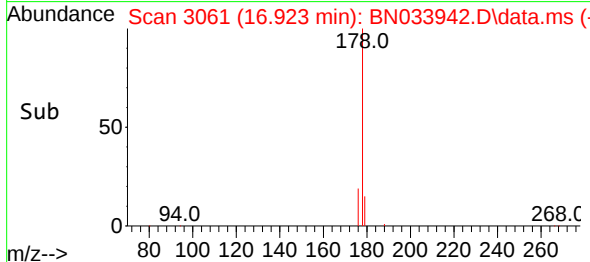
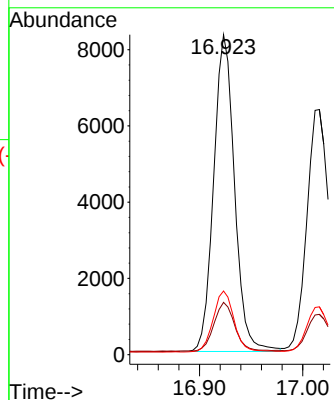
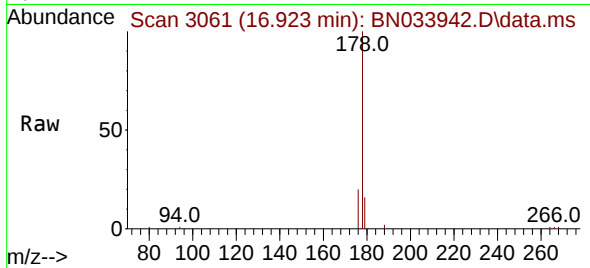




#15  
Phenanthrene  
Concen: 0.365 ng/ul  
RT: 16.923 min Scan# 3061  
Delta R.T. -0.004 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

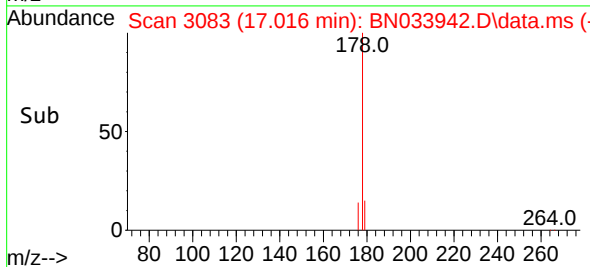
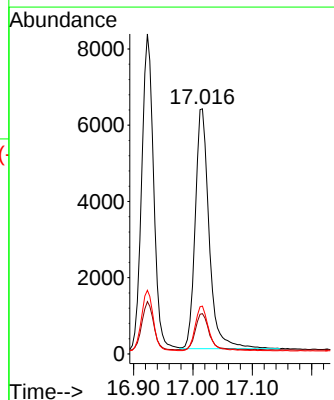
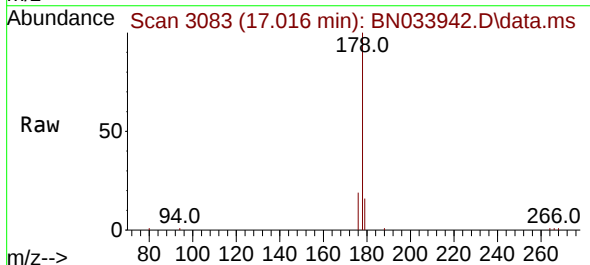
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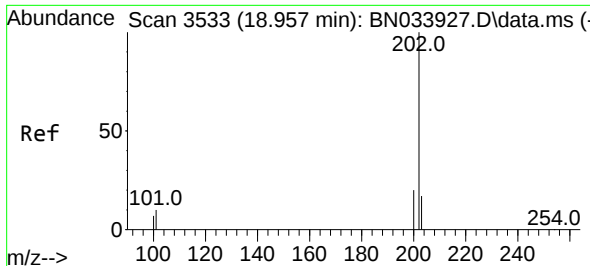
Tgt Ion:178 Resp: 11665  
Ion Ratio Lower Upper  
178 100  
179 16.4 12.9 19.3  
176 19.9 15.7 23.5



#16  
Anthracene  
Concen: 0.357 ng/ul  
RT: 17.016 min Scan# 3083  
Delta R.T. 0.000 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

Tgt Ion:178 Resp: 10246  
Ion Ratio Lower Upper  
178 100  
179 16.5 13.0 19.4  
176 19.5 15.2 22.8

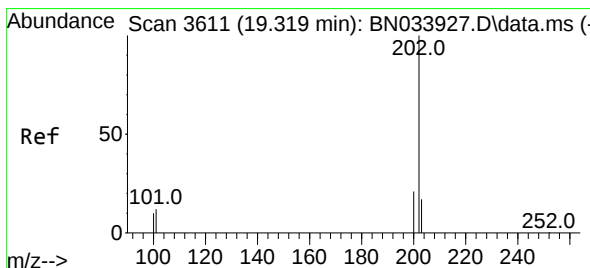
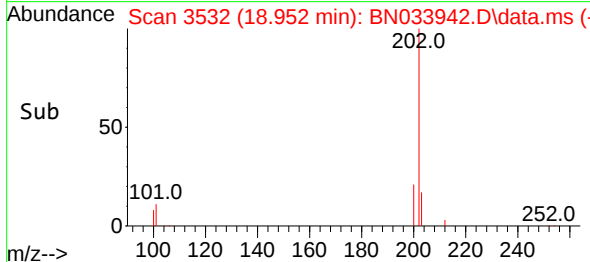
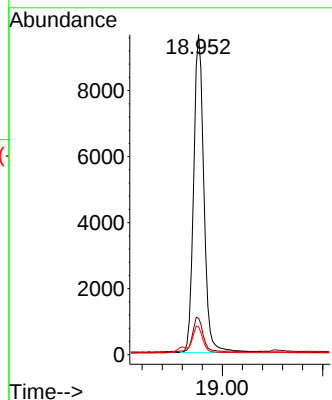
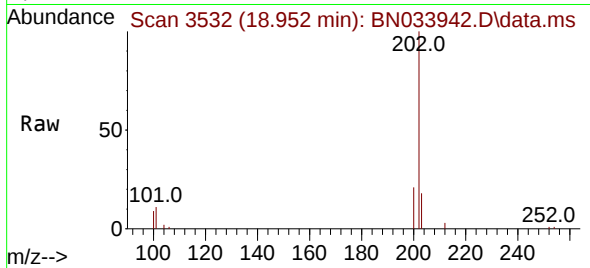




#19  
Fluoranthene  
Concen: 0.368 ng/ul  
RT: 18.952 min Scan# 3532  
Delta R.T. -0.005 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

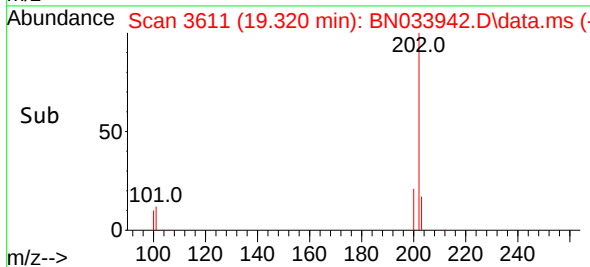
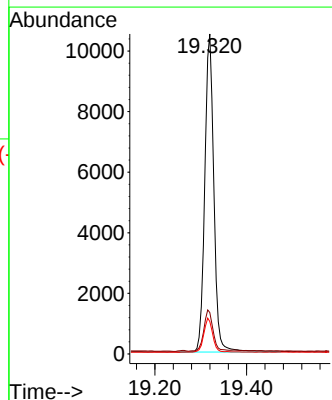
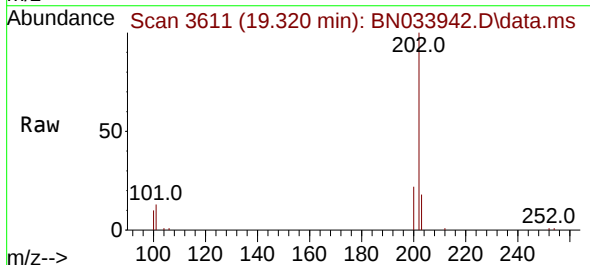
Instrument :  
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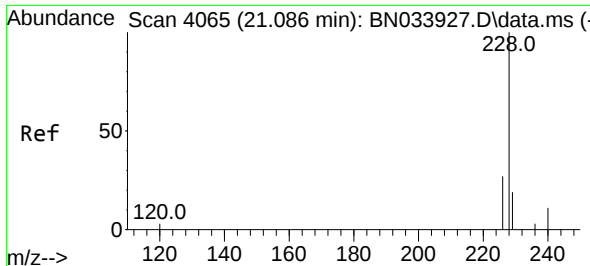
Tgt Ion:202 Resp: 13730  
Ion Ratio Lower Upper  
202 100  
101 11.4 9.0 13.4  
100 8.6 6.7 10.1



#20  
Pyrene  
Concen: 0.364 ng/ul  
RT: 19.320 min Scan# 3611  
Delta R.T. 0.000 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

Tgt Ion:202 Resp: 14409  
Ion Ratio Lower Upper  
202 100  
101 12.9 10.8 16.2  
100 10.2 8.7 13.1

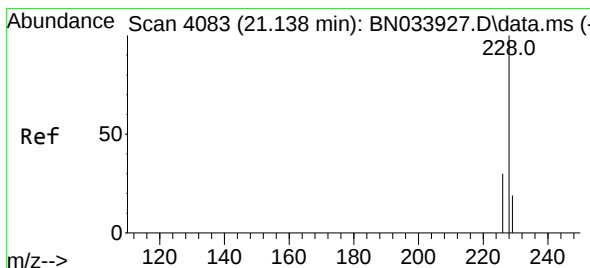
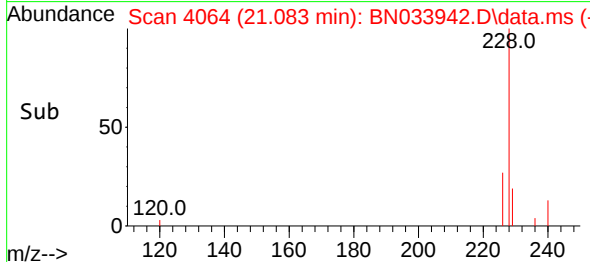
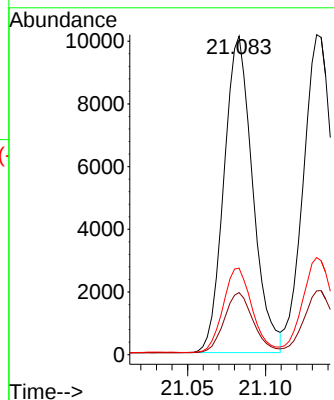
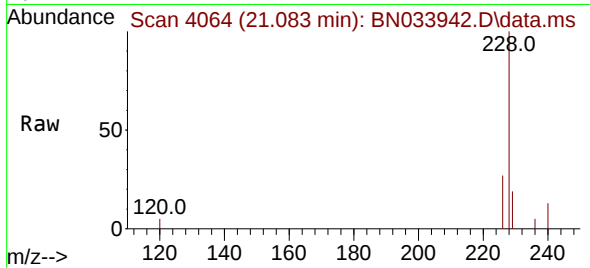




#21  
Benzo(a)anthracene  
Concen: 0.348 ng/ul  
RT: 21.083 min Scan# 4064  
Delta R.T. -0.003 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

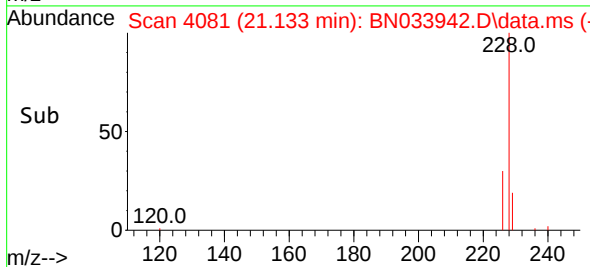
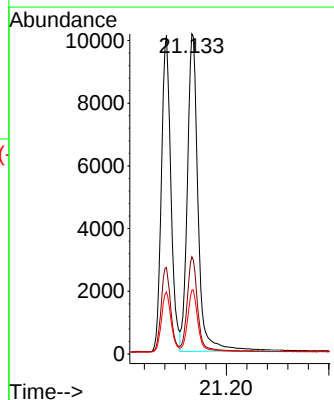
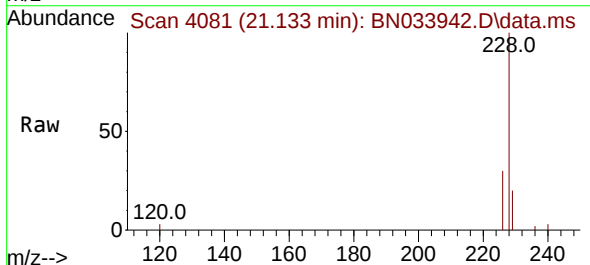
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS350

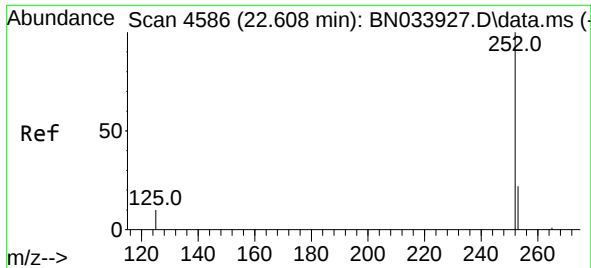
Tgt Ion:228 Resp: 12963  
Ion Ratio Lower Upper  
228 100  
229 19.5 15.4 23.2  
226 27.2 22.1 33.1



#22  
Chrysene  
Concen: 0.389 ng/ul  
RT: 21.133 min Scan# 4081  
Delta R.T. -0.006 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

Tgt Ion:228 Resp: 14630  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.2 36.2  
229 19.9 15.6 23.4

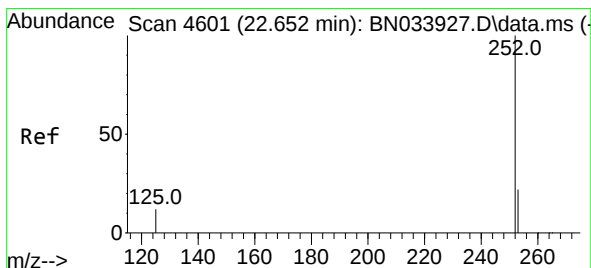
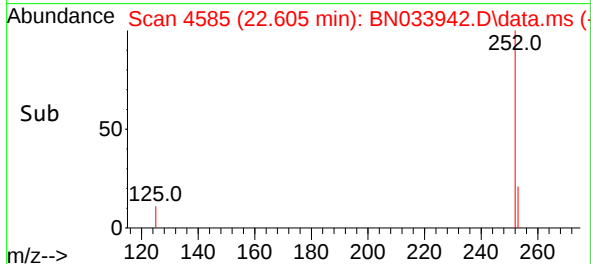
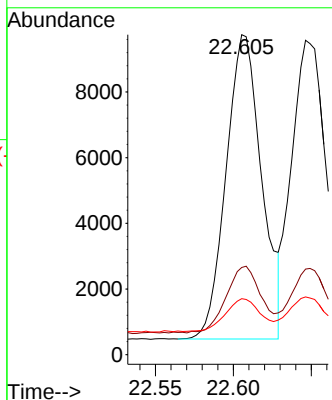
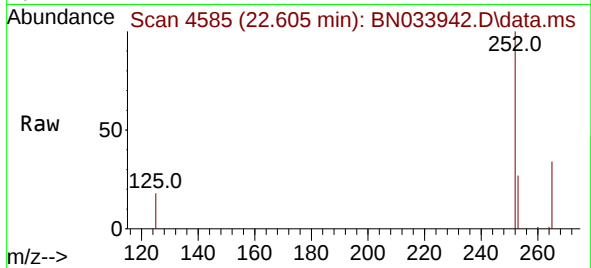




#24  
Benzo(b)fluoranthene  
Concen: 0.365 ng/ul  
RT: 22.605 min Scan# 4586  
Delta R.T. -0.003 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

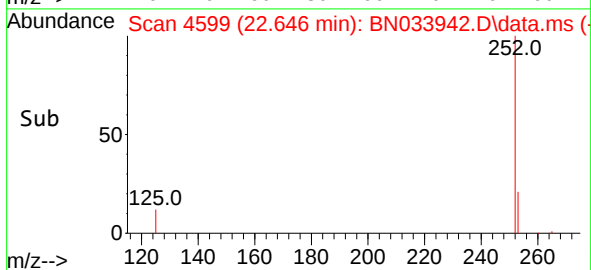
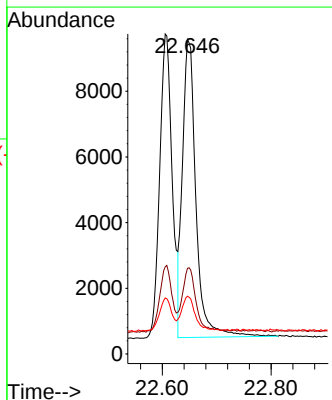
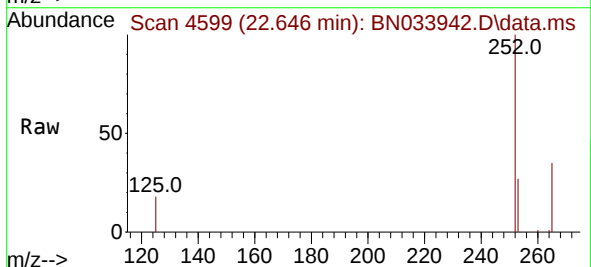
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS350

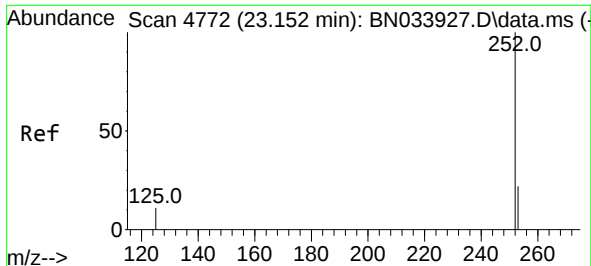
Tgt Ion:252 Resp: 14726  
Ion Ratio Lower Upper  
252 100  
253 27.2 0.0 52.8  
125 17.5 0.0 36.4



#25  
Benzo(k)fluoranthene  
Concen: 0.386 ng/ul  
RT: 22.646 min Scan# 4599  
Delta R.T. -0.006 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

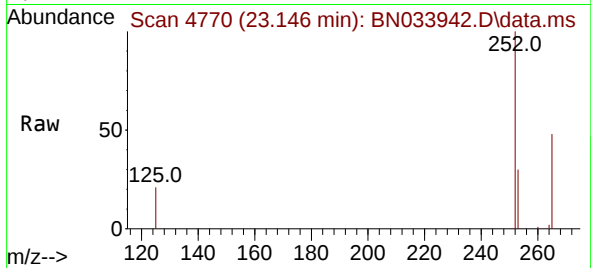
Tgt Ion:252 Resp: 15595  
Ion Ratio Lower Upper  
252 100  
253 27.2 21.4 32.0  
125 18.4 15.1 22.7



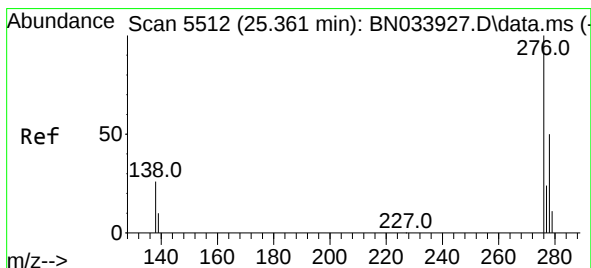
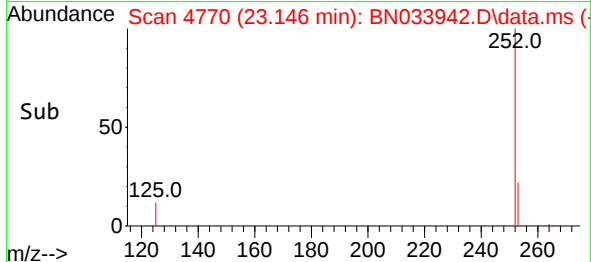
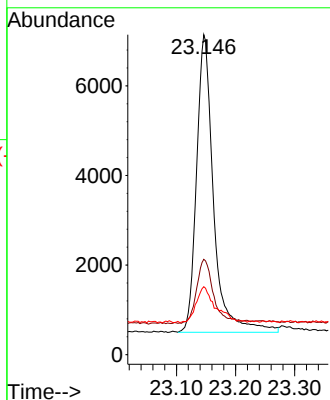


#26  
Benzo(a)pyrene  
Concen: 0.410 ng/ul  
RT: 23.146 min Scan# 4770  
Delta R.T. -0.006 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS350

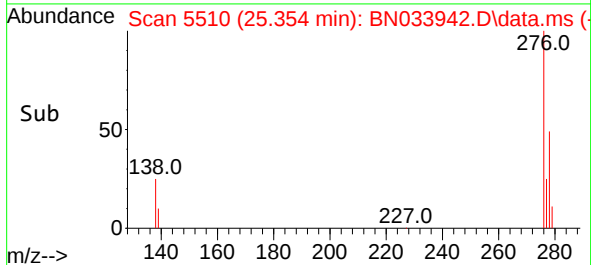
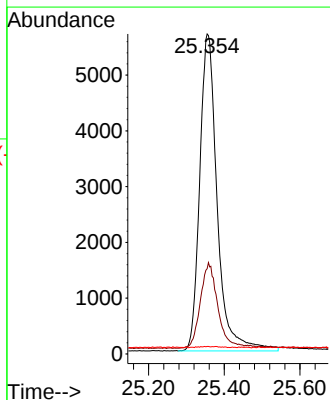
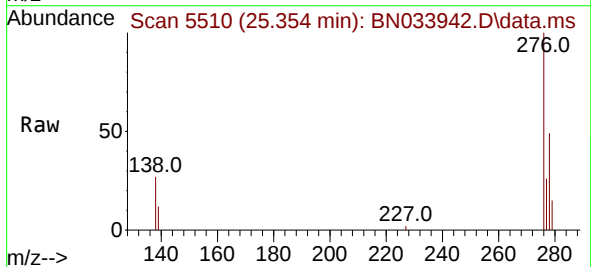


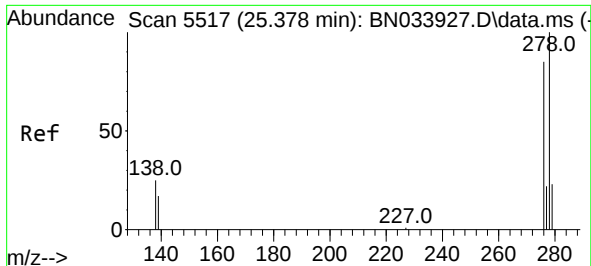
Tgt Ion:252 Resp: 13283  
Ion Ratio Lower Upper  
252 100  
253 29.8 22.8 34.2  
125 21.3 18.0 27.0



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.374 ng/ul  
RT: 25.354 min Scan# 5510  
Delta R.T. -0.007 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

Tgt Ion:276 Resp: 18211  
Ion Ratio Lower Upper  
276 100  
138 27.4 22.3 33.5  
227 0.5 0.2 0.4#

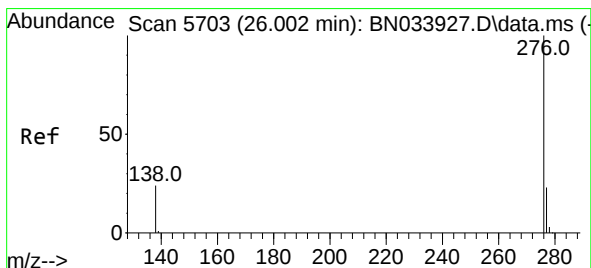
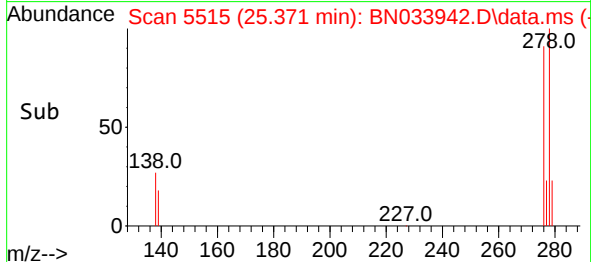
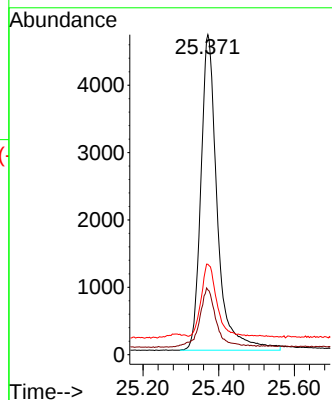
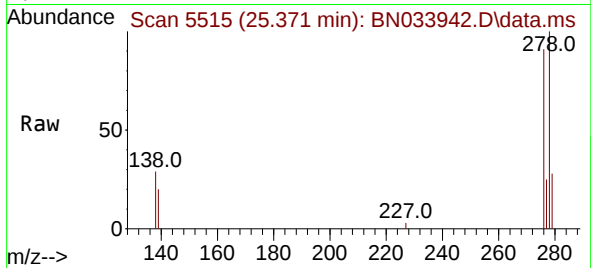




#28  
Dibenzo(a,h)anthracene  
Concen: 0.373 ng/ul  
RT: 25.371 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS350

Tgt Ion:278 Resp: 14113  
Ion Ratio Lower Upper  
278 100  
139 20.3 17.3 25.9  
279 28.3 21.5 32.3



#29  
Benzo(g,h,i)perylene  
Concen: 0.389 ng/ul  
RT: 25.998 min Scan# 5702  
Delta R.T. -0.003 min  
Lab File: BN033942.D  
Acq: 15 Sep 2024 08:02

Tgt Ion:276 Resp: 14791  
Ion Ratio Lower Upper  
276 100  
138 25.4 20.8 31.2  
277 24.9 20.2 30.4

