

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121923\  
 Data File : BM043468.D  
 Acq On : 20 Dec 2023 17:41  
 Operator : MA/JU  
 Sample : PB157763BS  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS763

Quant Time: Dec 20 23:14:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 23:32:46 2023  
 Response via : Initial Calibration

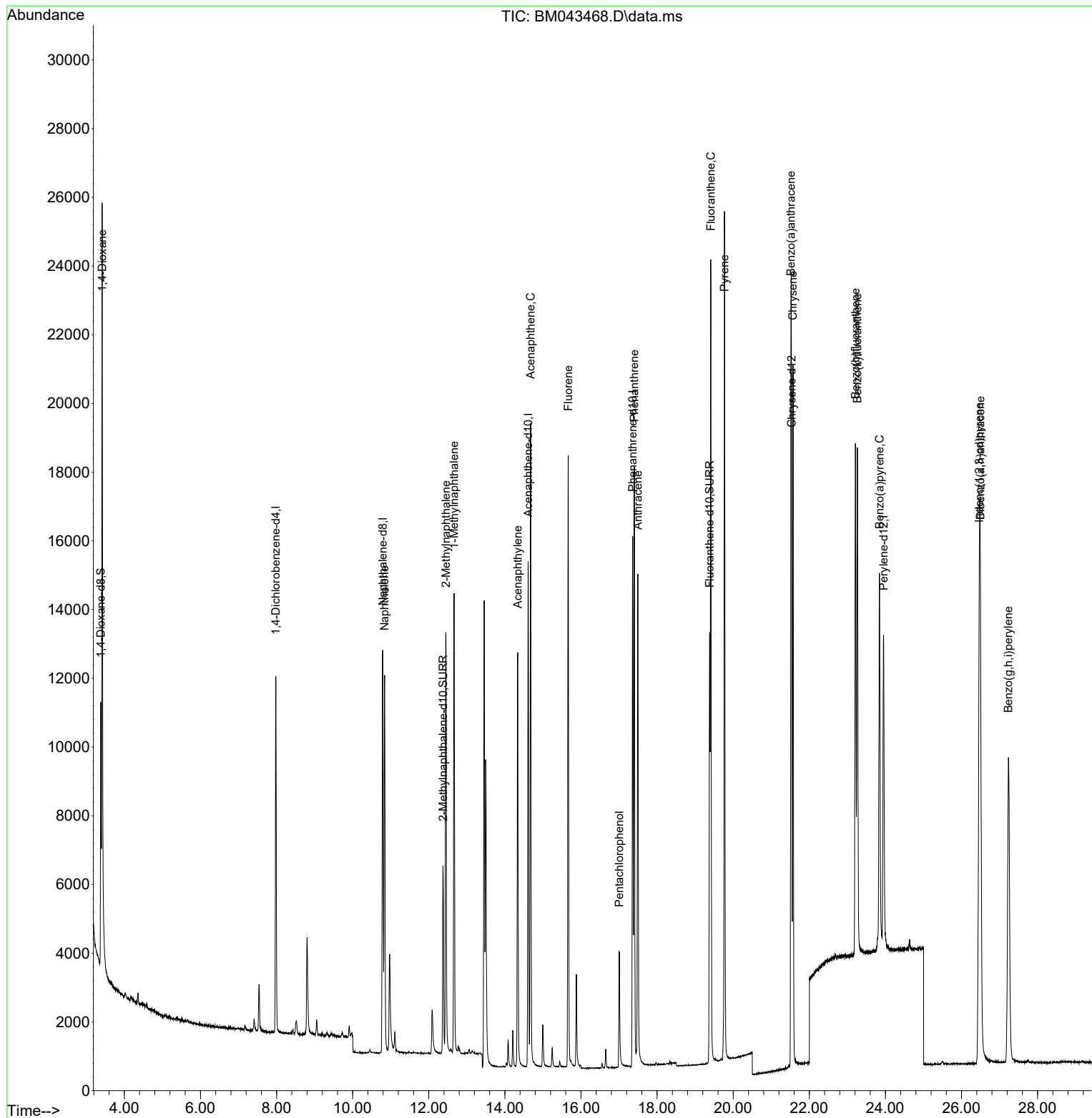
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.983  | 152  | 5407     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.790 | 136  | 16504    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.610 | 164  | 8619     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.358 | 188  | 17986    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.536 | 240  | 12150    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.950 | 264  | 13732    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.385  | 96   | 5075     | 0.743 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.374 | 152  | 7820     | 0.334 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.380 | 212  | 13743    | 0.317 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.418  | 88   | 14422    | 2.105 | ng/ul# | 87       |
| 5) Naphthalene              | 10.839 | 128  | 15609    | 0.315 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.451 | 142  | 9669     | 0.302 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.665 | 142  | 9519     | 0.296 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.338 | 152  | 14850    | 0.313 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.675 | 153  | 10938    | 0.317 | ng/ul  | 99       |
| 12) Fluorene                | 15.665 | 166  | 12035    | 0.308 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 17.003 | 266  | 2830     | 0.710 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.400 | 178  | 19639    | 0.327 | ng/ul  | 99       |
| 16) Anthracene              | 17.493 | 178  | 17803    | 0.327 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.413 | 202  | 20336    | 0.297 | ng/ul  | 96       |
| 20) Pyrene                  | 19.770 | 202  | 21053    | 0.309 | ng/ul  | 94       |
| 21) Benzo(a)anthracene      | 21.518 | 228  | 18039    | 0.338 | ng/ul  | 99       |
| 22) Chrysene                | 21.571 | 228  | 18910    | 0.336 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.213 | 252  | 19880    | 0.319 | ng/ul  | 93       |
| 25) Benzo(k)fluoranthene    | 23.263 | 252  | 21062    | 0.326 | ng/ul# | 92       |
| 26) Benzo(a)pyrene          | 23.845 | 252  | 17930    | 0.349 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.468 | 276  | 24775    | 0.423 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.495 | 278  | 19982    | 0.431 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.233 | 276  | 21058    | 0.421 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

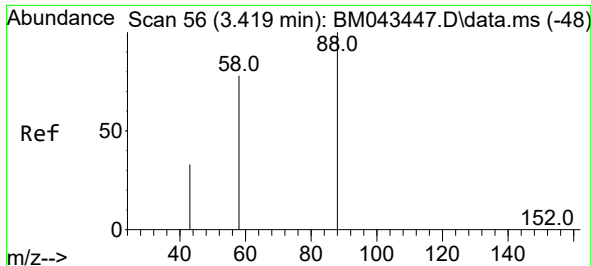
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 23:14:39 2023  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 19 23:32:46 2023  
Response via : Initial Calibration

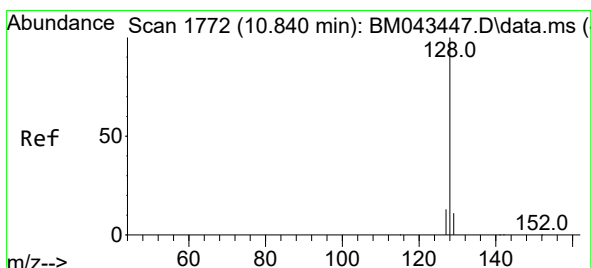
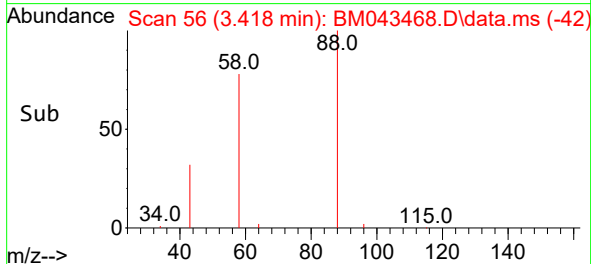
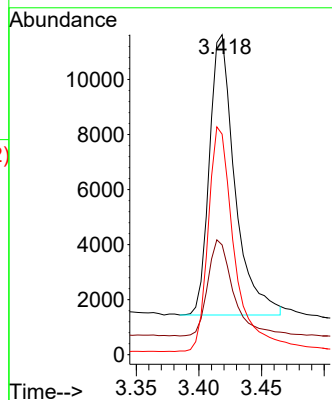
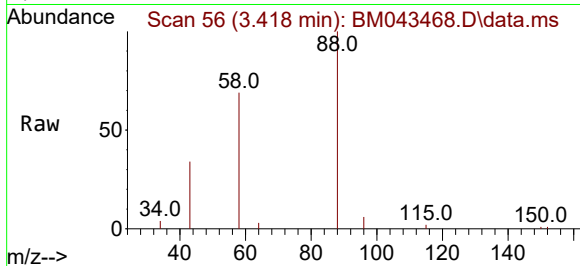




#2  
1,4-Dioxane  
Concen: 2.105 ng/ul  
RT: 3.418 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

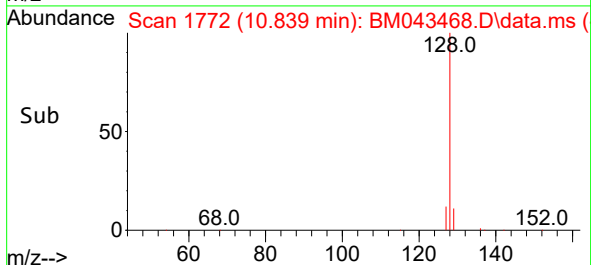
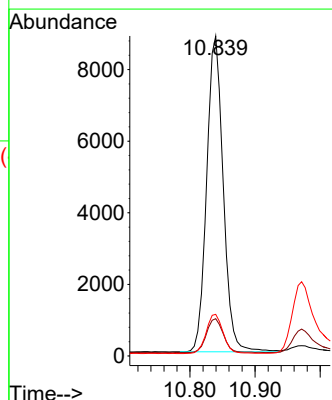
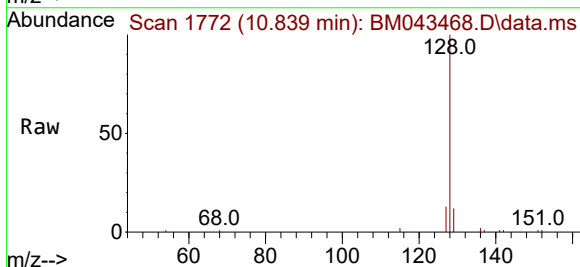
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS763

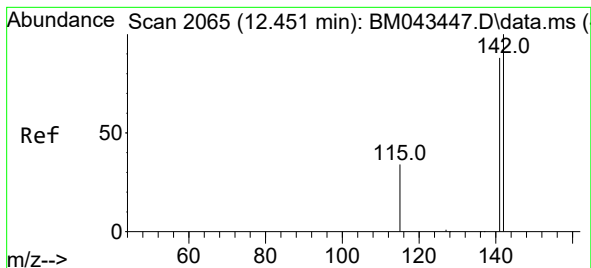
Tgt Ion: 88 Resp: 14422  
Ion Ratio Lower Upper  
88 100  
43 34.3 27.9 41.9  
58 68.9 43.4 65.2#



#5  
Naphthalene  
Concen: 0.315 ng/ul  
RT: 10.839 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

Tgt Ion: 128 Resp: 15609  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.0 13.4  
127 13.0 10.3 15.5

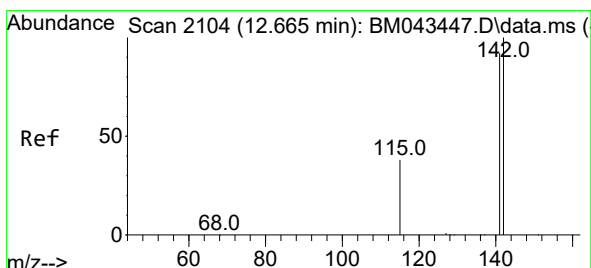
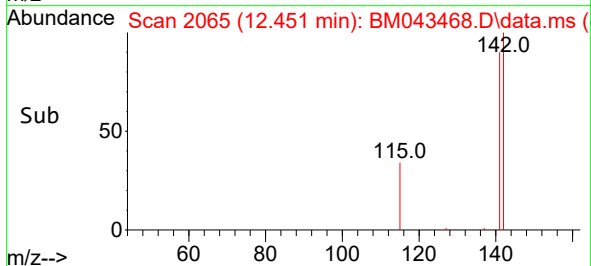
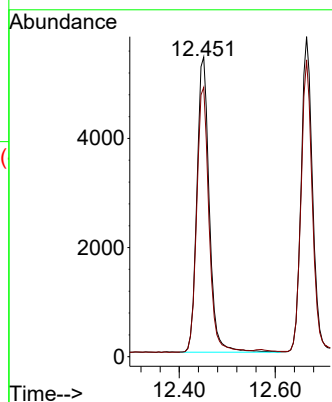
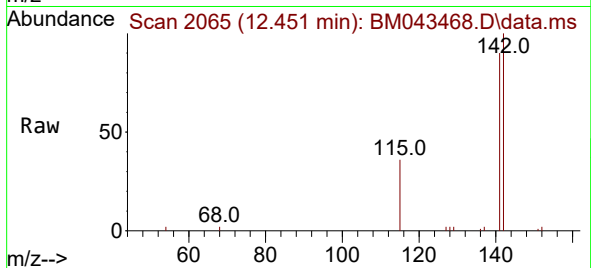




#7  
2-Methylnaphthalene  
Concen: 0.302 ng/ul  
RT: 12.451 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

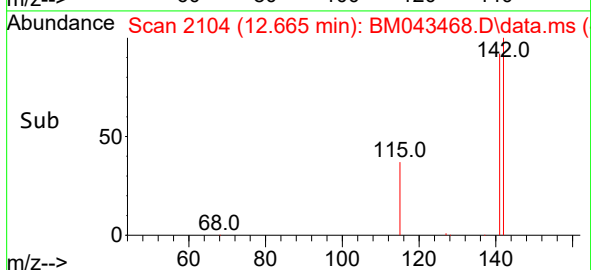
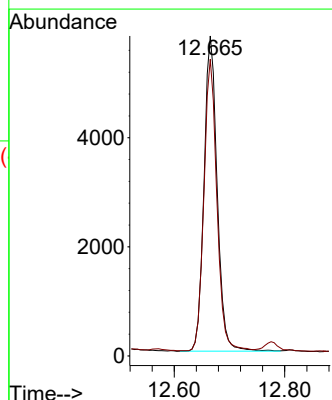
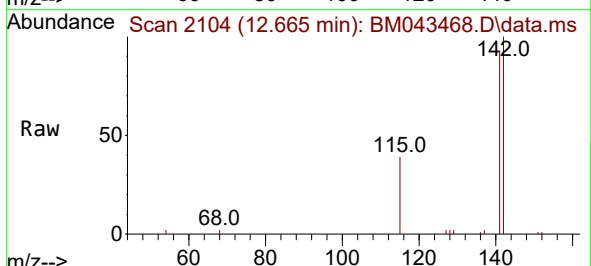
Instrument :  
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ClientSampleId :  
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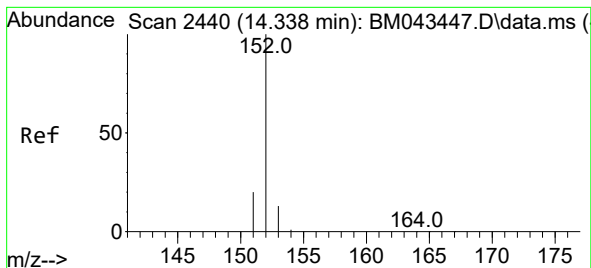
Tgt Ion:142 Resp: 9669  
Ion Ratio Lower Upper  
142 100  
141 89.2 70.9 106.3



#8  
1-Methylnaphthalene  
Concen: 0.296 ng/ul  
RT: 12.665 min Scan# 2104  
Delta R.T. -0.000 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

Tgt Ion:142 Resp: 9519  
Ion Ratio Lower Upper  
142 100  
141 91.2 73.7 110.5





#10

Acenaphthylene

Concen: 0.313 ng/ul

RT: 14.338 min Scan# 2440

Delta R.T. -0.000 min

Lab File: BM043468.D

Acq: 20 Dec 2023 17:41

Instrument :

BNA\_M

ClientSampleId :

SLCS763

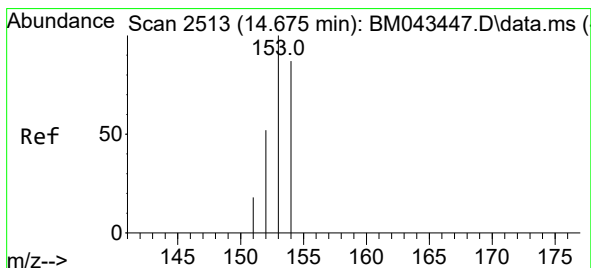
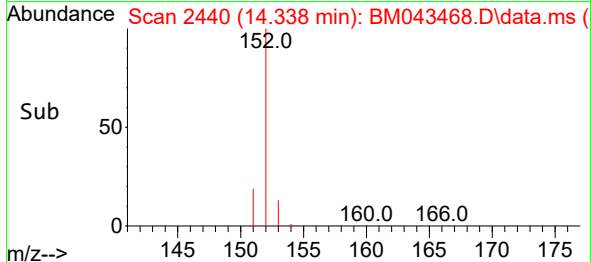
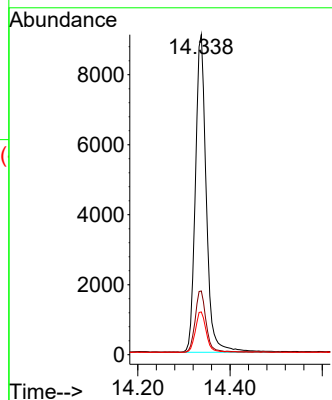
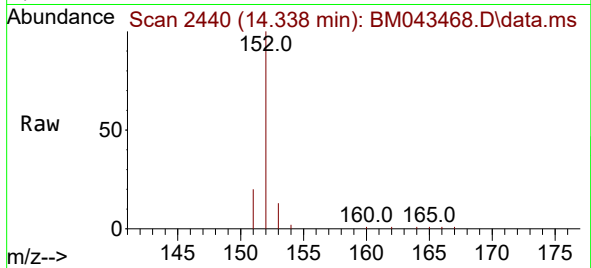
Tgt Ion:152 Resp: 14850

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

153 13.4 10.4 15.6



#11

Acenaphthene

Concen: 0.317 ng/ul

RT: 14.675 min Scan# 2513

Delta R.T. -0.005 min

Lab File: BM043468.D

Acq: 20 Dec 2023 17:41

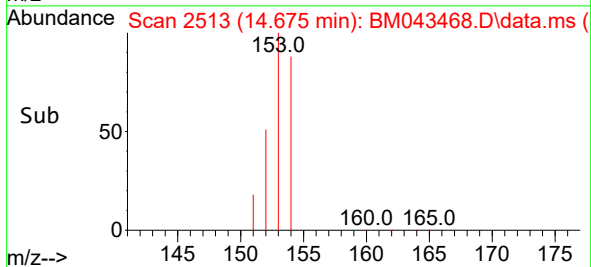
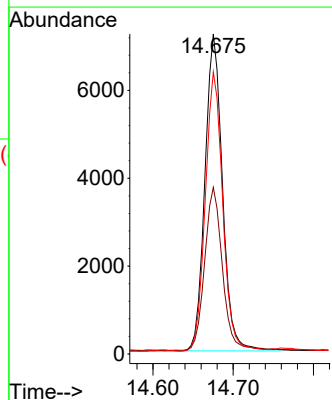
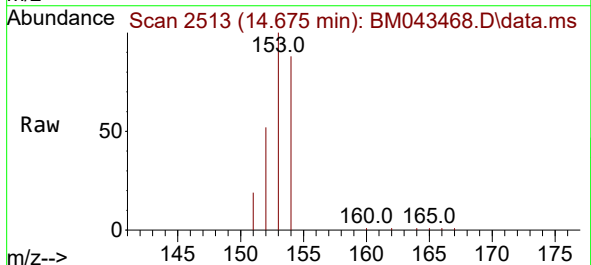
Tgt Ion:153 Resp: 10938

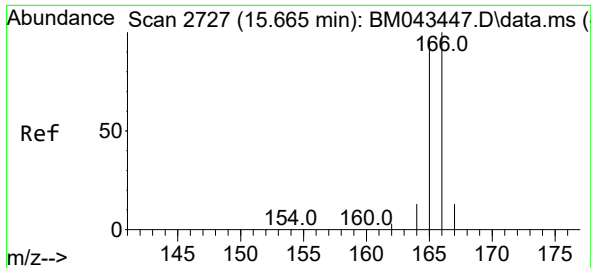
Ion Ratio Lower Upper

153 100

152 52.1 42.1 63.1

154 88.1 71.3 106.9

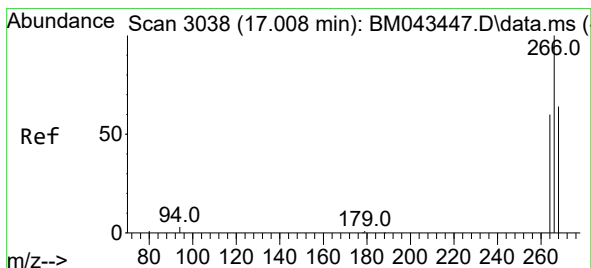
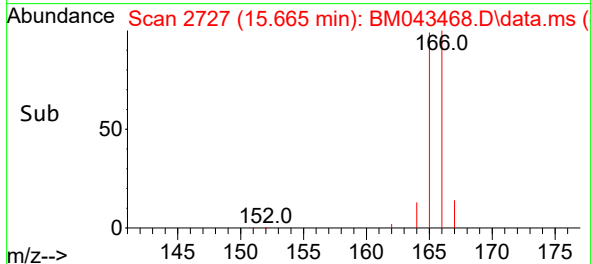
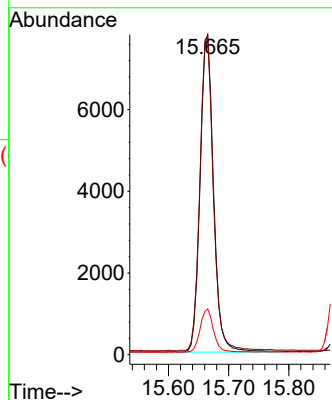
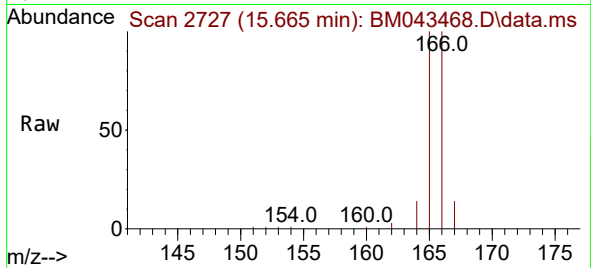




#12  
Fluorene  
Concen: 0.308 ng/ul  
RT: 15.665 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

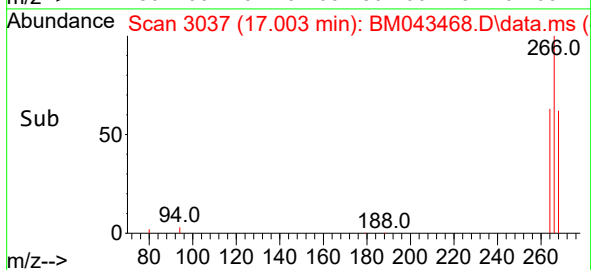
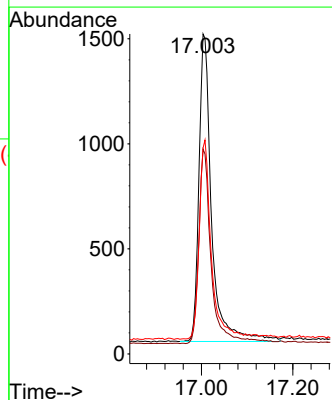
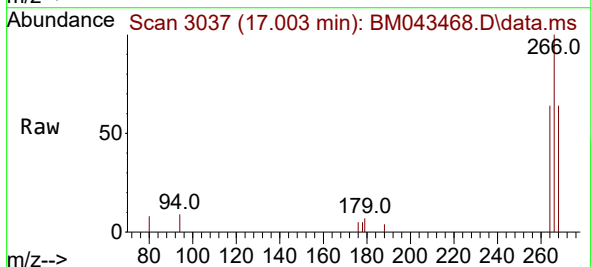
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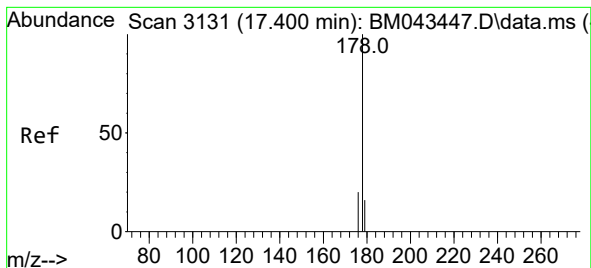
Tgt Ion:166 Resp: 12035  
Ion Ratio Lower Upper  
166 100  
165 99.6 80.3 120.5  
167 14.3 10.8 16.2



#14  
Pentachlorophenol  
Concen: 0.710 ng/ul  
RT: 17.003 min Scan# 3037  
Delta R.T. -0.004 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

Tgt Ion:266 Resp: 2830  
Ion Ratio Lower Upper  
266 100  
264 62.7 51.7 77.5  
268 63.7 51.9 77.9





#15

Phenanthrene

Concen: 0.327 ng/ul

RT: 17.400 min Scan# 3131

Delta R.T. -0.000 min

Lab File: BM043468.D

Acq: 20 Dec 2023 17:41

Instrument :

BNA\_M

ClientSampleId :

SLCS763

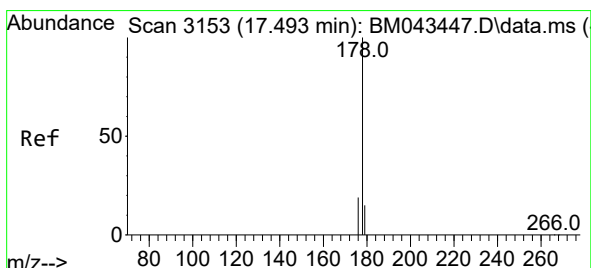
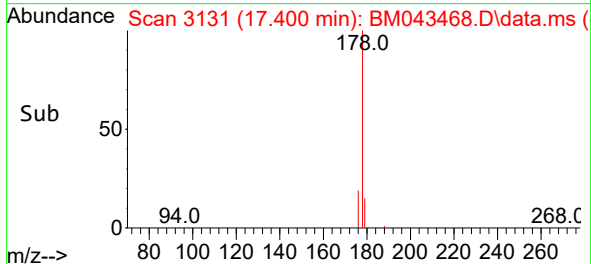
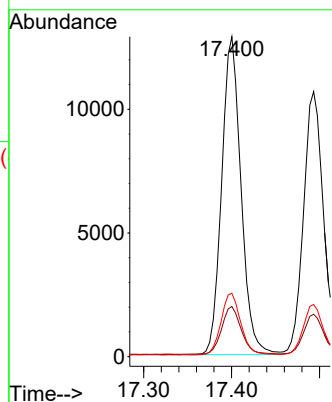
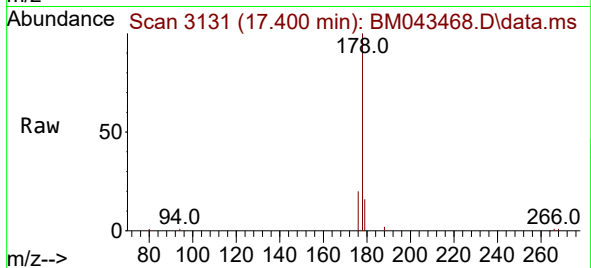
Tgt Ion:178 Resp: 19639

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

176 19.8 16.2 24.2



#16

Anthracene

Concen: 0.327 ng/ul

RT: 17.493 min Scan# 3153

Delta R.T. -0.000 min

Lab File: BM043468.D

Acq: 20 Dec 2023 17:41

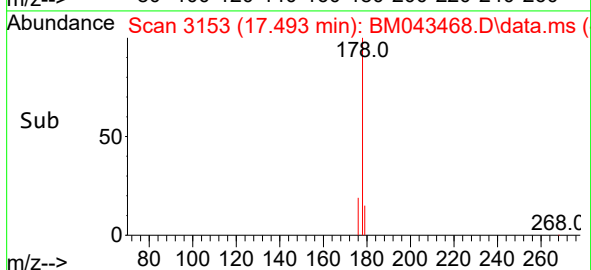
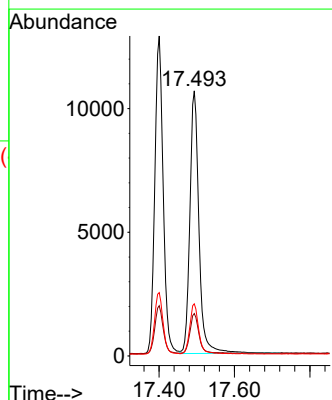
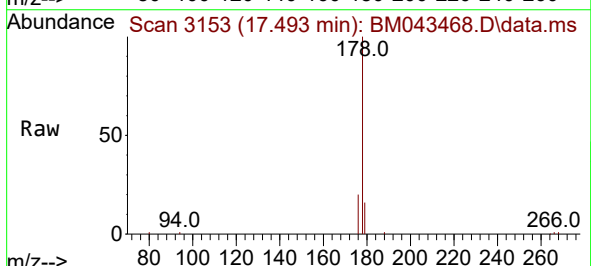
Tgt Ion:178 Resp: 17803

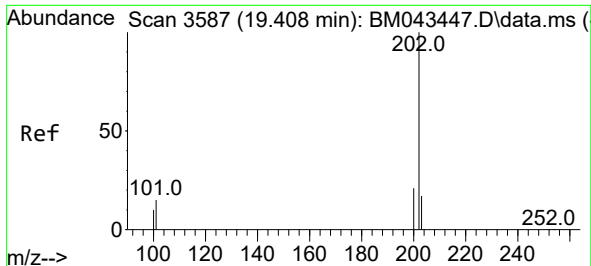
Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

176 19.7 15.6 23.4

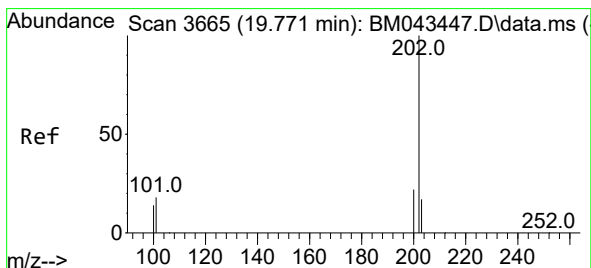
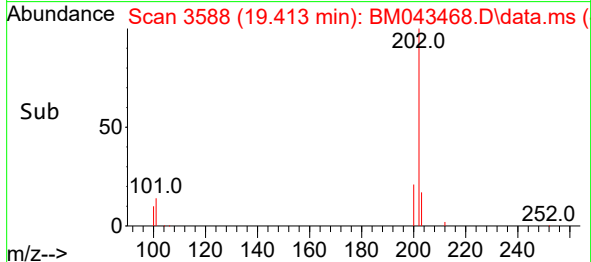
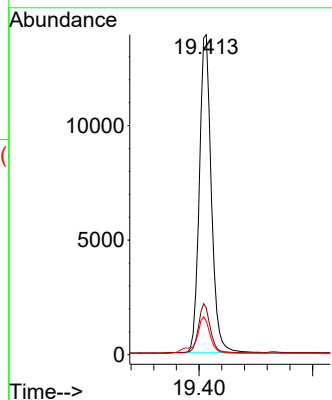
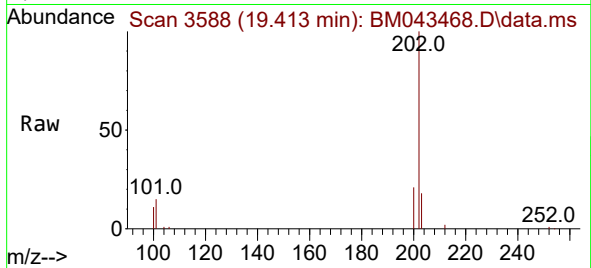




#19  
Fluoranthene  
Concen: 0.297 ng/ul  
RT: 19.413 min Scan# 3588  
Delta R.T. -0.000 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

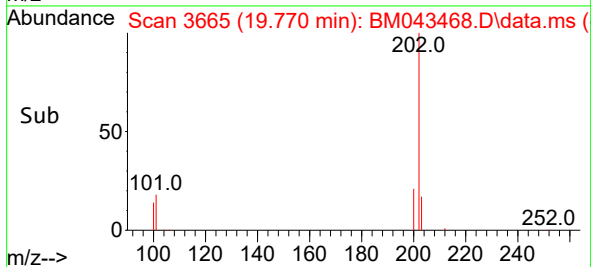
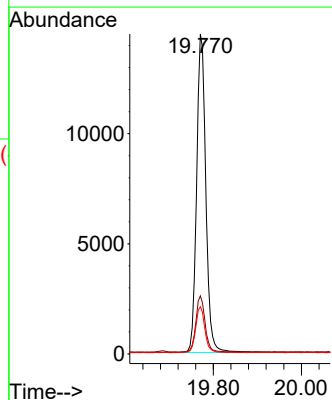
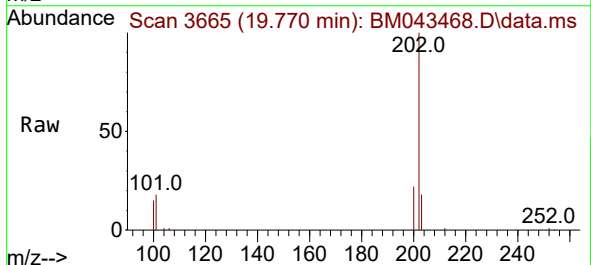
Instrument :  
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SLCS763

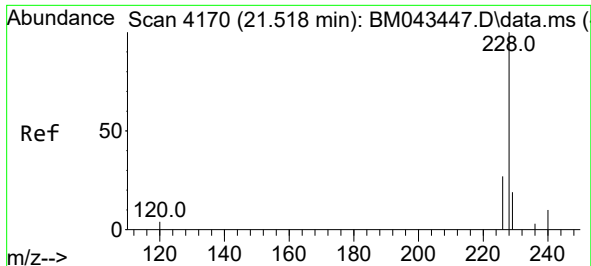
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Ion Ratio Lower Upper  
202 100  
101 14.6 10.1 15.1  
100 10.5 7.4 11.2



#20  
Pyrene  
Concen: 0.309 ng/ul  
RT: 19.770 min Scan# 3665  
Delta R.T. -0.005 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

Tgt Ion:202 Resp: 21053  
Ion Ratio Lower Upper  
202 100  
101 18.1 12.7 19.1  
100 14.7 9.8 14.8

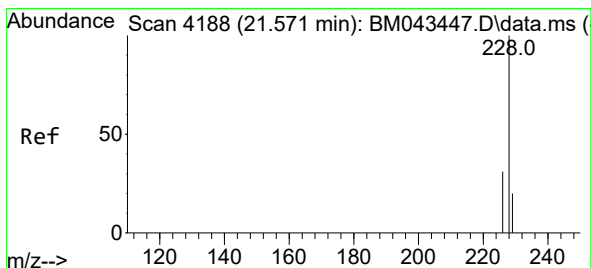
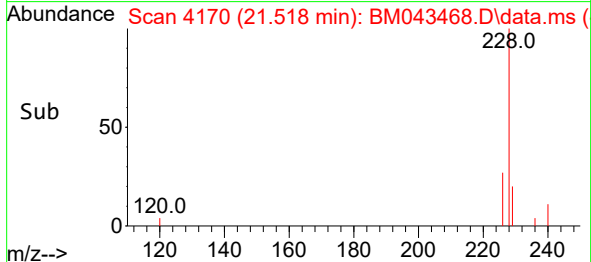
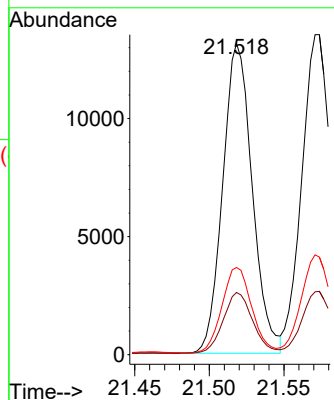
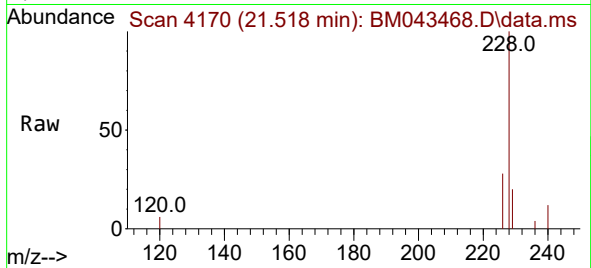




#21  
Benzo(a)anthracene  
Concen: 0.338 ng/ul  
RT: 21.518 min Scan# 4170  
Delta R.T. -0.003 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

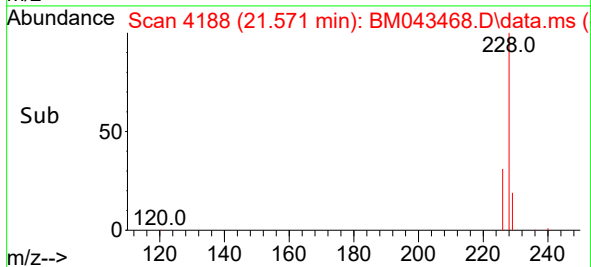
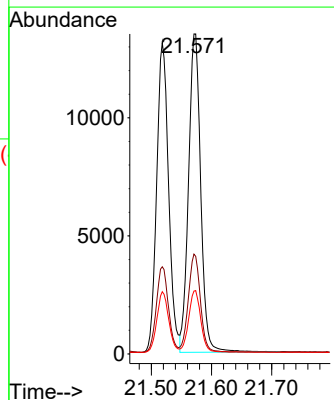
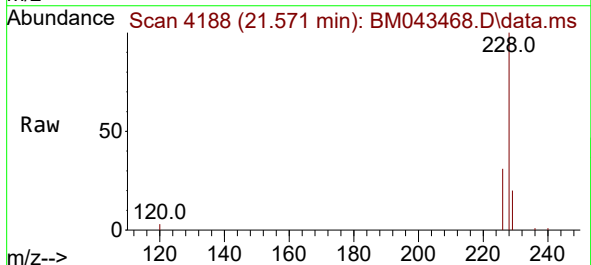
Instrument :  
BNA\_M  
ClientSampleId :  
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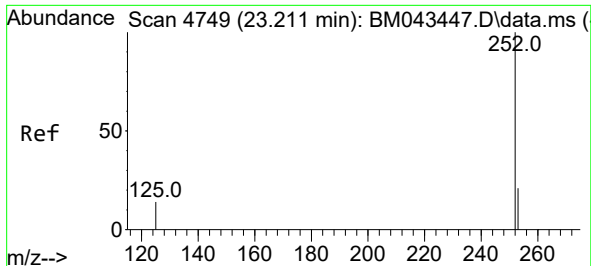
Tgt Ion:228 Resp: 18039  
Ion Ratio Lower Upper  
228 100  
229 20.0 15.5 23.3  
226 28.0 22.6 34.0



#22  
Chrysene  
Concen: 0.336 ng/ul  
RT: 21.571 min Scan# 4188  
Delta R.T. -0.003 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

Tgt Ion:228 Resp: 18910  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.8 37.2  
229 19.7 15.7 23.5

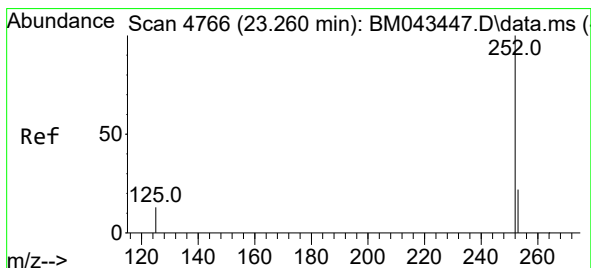
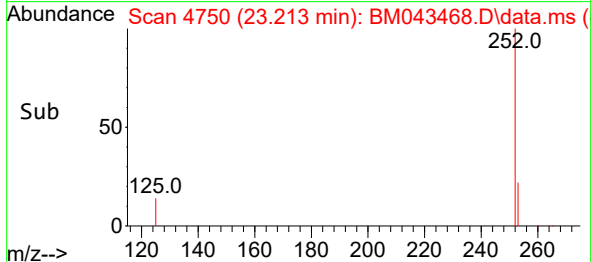
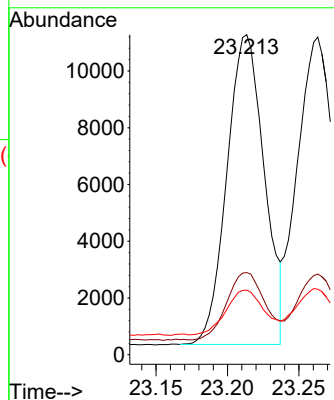
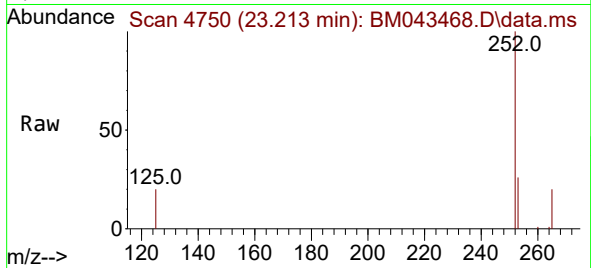




#24  
Benzo(b)fluoranthene  
Concen: 0.319 ng/ul  
RT: 23.213 min Scan# 4750  
Delta R.T. -0.003 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

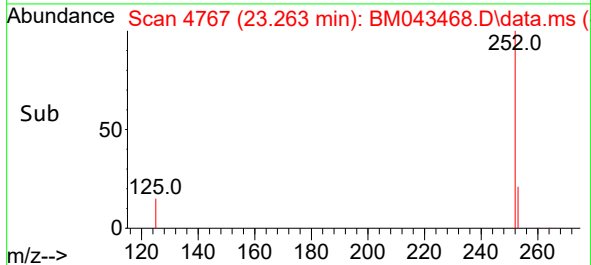
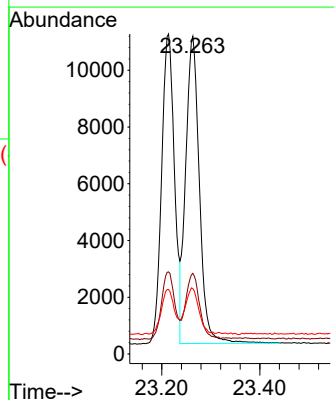
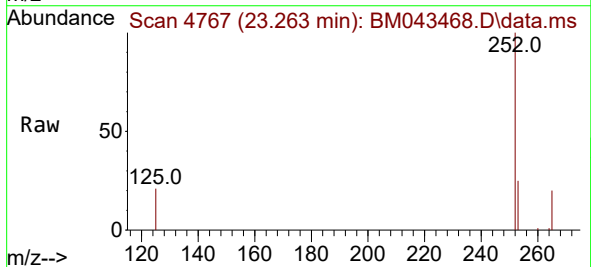
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS763

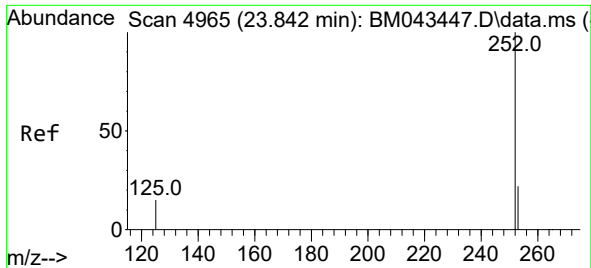
Tgt Ion:252 Resp: 19880  
Ion Ratio Lower Upper  
252 100  
253 25.6 0.0 48.8  
125 20.1 0.0 29.2



#25  
Benzo(k)fluoranthene  
Concen: 0.326 ng/ul  
RT: 23.263 min Scan# 4767  
Delta R.T. -0.003 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

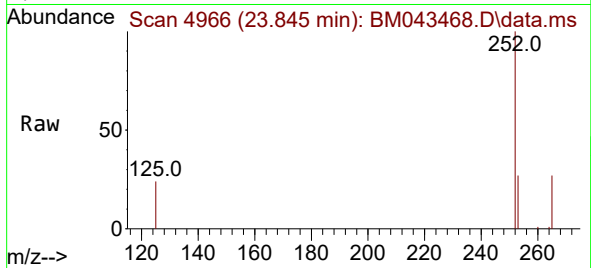
Tgt Ion:252 Resp: 21062  
Ion Ratio Lower Upper  
252 100  
253 25.4 18.6 28.0  
125 20.6 11.8 17.8#



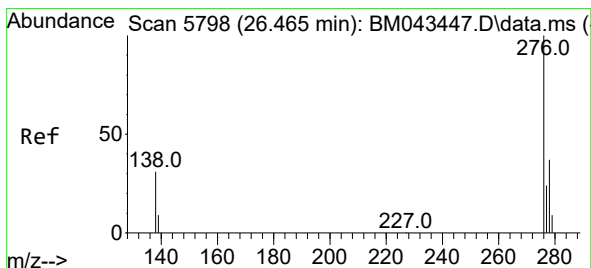
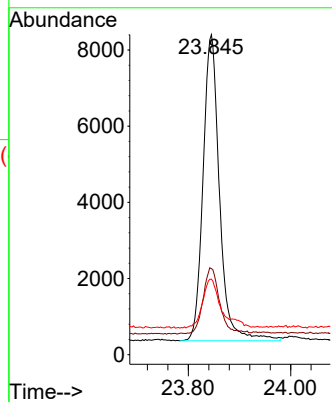
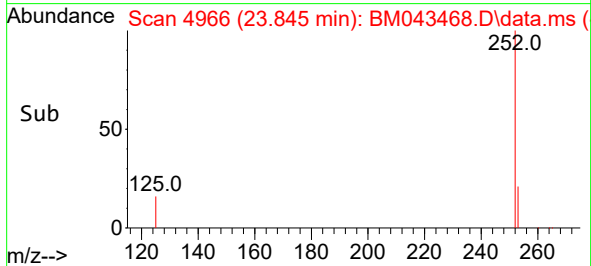


#26  
Benzo(a)pyrene  
Concen: 0.349 ng/ul  
RT: 23.845 min Scan# 4965  
Delta R.T. -0.003 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

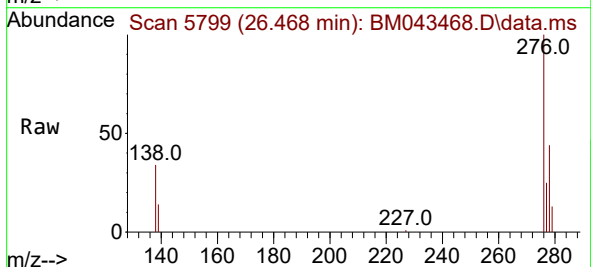
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS763



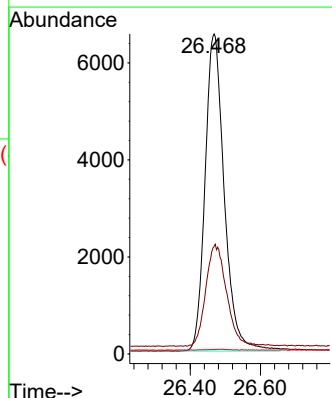
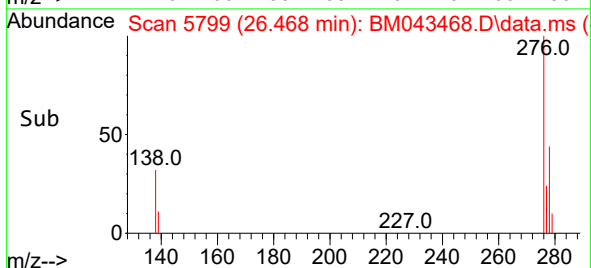
Tgt Ion:252 Resp: 17930  
Ion Ratio Lower Upper  
252 100  
253 26.9 20.2 30.2  
125 23.6 13.5 20.3#

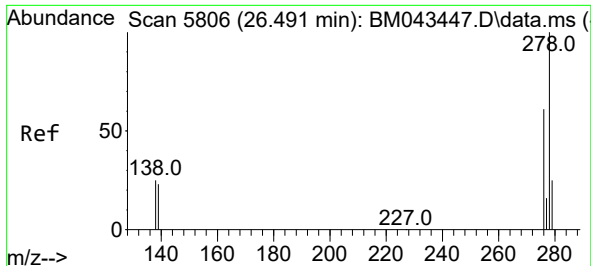


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.423 ng/ul  
RT: 26.468 min Scan# 5799  
Delta R.T. -0.007 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41



Tgt Ion:276 Resp: 24775  
Ion Ratio Lower Upper  
276 100  
138 34.9 24.6 36.8  
227 0.1 0.0 0.0#

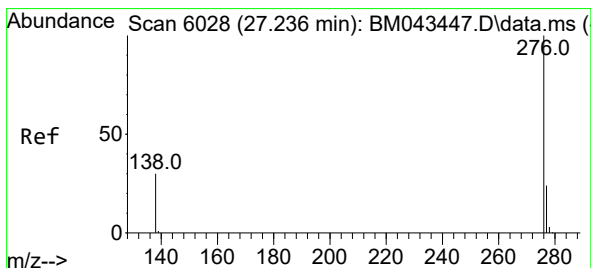
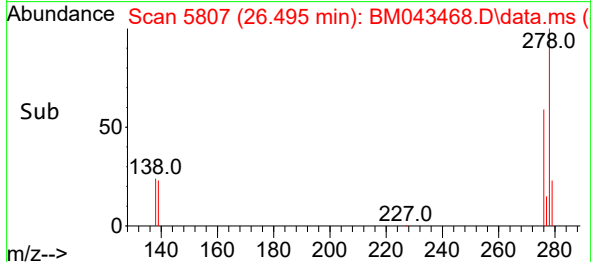
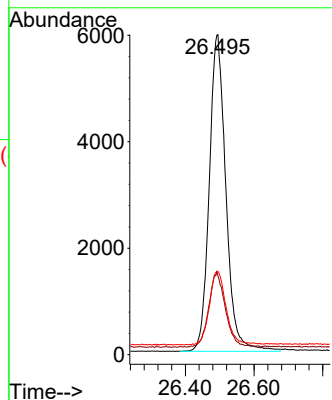
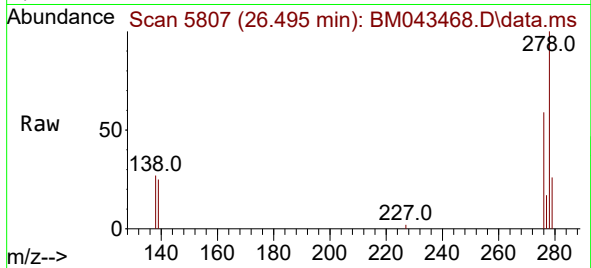




#28  
Dibenzo(a,h)anthracene  
Concen: 0.431 ng/ul  
RT: 26.495 min Scan# 5806  
Delta R.T. -0.004 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS763

Tgt Ion:278 Resp: 19982  
Ion Ratio Lower Upper  
278 100  
139 24.7 17.4 26.2  
279 26.0 20.9 31.3



#29  
Benzo(g,h,i)perylene  
Concen: 0.421 ng/ul  
RT: 27.233 min Scan# 6027  
Delta R.T. -0.011 min  
Lab File: BM043468.D  
Acq: 20 Dec 2023 17:41

Tgt Ion:276 Resp: 21058  
Ion Ratio Lower Upper  
276 100  
138 31.9 23.1 34.7  
277 24.9 19.4 29.0

