

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062024\  
 Data File : BM046132.D  
 Acq On : 20 Jun 2024 20:37  
 Operator : MA/JU  
 Sample : P2710-23MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4B87MSD

Quant Time: Jun 21 02:48:56 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 18 13:58:29 2024  
 Response via : Initial Calibration

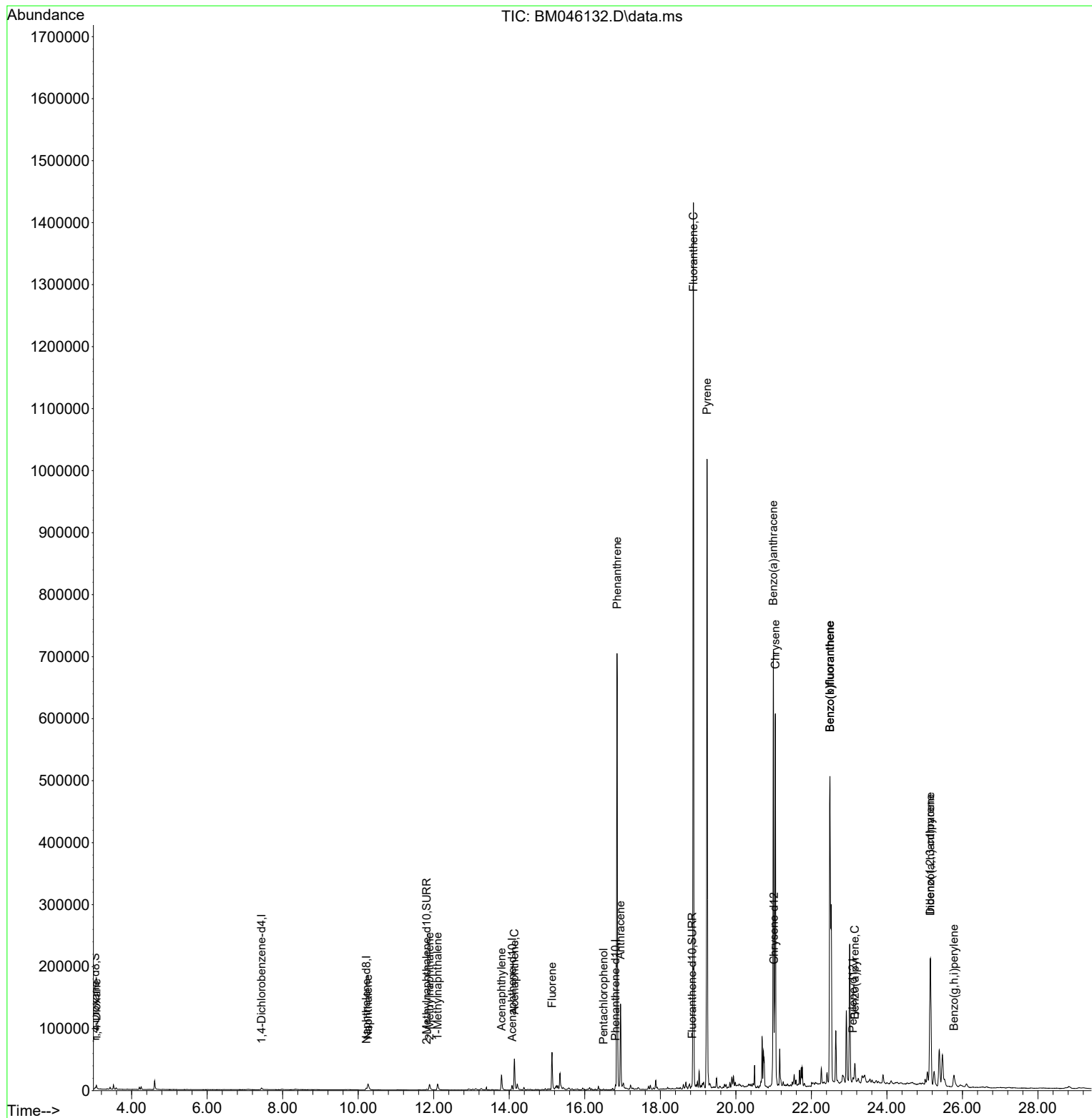
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.438  | 152  | 2512     | 0.400  | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.215 | 136  | 7176     | 0.400  | ng/ul  | -0.04    |
| 9) Acenaphthene-d10         | 14.075 | 164  | 4082     | 0.400  | ng/ul  | -0.04    |
| 13) Phenanthrene-d10        | 16.811 | 188  | 8719     | 0.400  | ng/ul  | -0.05    |
| 17) Chrysene-d12            | 21.009 | 240  | 7412     | 0.400  | ng/ul  | -0.04    |
| 23) Perylene-d12            | 23.104 | 264  | 10587    | 0.400  | ng/ul  | -0.04    |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.037  | 96   | 1587     | 0.460  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.815 | 152  | 2742     | 0.285  | ng/ul  | -0.05    |
| 18) Fluoranthene-d10        | 18.843 | 212  | 7421     | 0.334  | ng/ul  | -0.04    |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane              | 3.067  | 88   | 4219     | 1.091  | ng/ul  | 86       |
| 5) Naphthalene              | 10.259 | 128  | 22872    | 1.143  | ng/ul  | 94       |
| 7) 2-Methylnaphthalene      | 11.887 | 142  | 10255    | 0.910  | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.101 | 142  | 9831     | 0.795  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.793 | 152  | 37200    | 1.921  | ng/ul  | 97       |
| 11) Acenaphthene            | 14.135 | 153  | 35209    | 2.519  | ng/ul  | 98       |
| 12) Fluorene                | 15.130 | 166  | 44598    | 2.974  | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.494 | 266  | 1140     | 0.436  | ng/ul  | 99       |
| 15) Phenanthrene            | 16.853 | 178  | 737934   | 30.124 | ng/ul  | 95       |
| 16) Anthracene              | 16.946 | 178  | 145277   | 7.963  | ng/ul  | 95       |
| 19) Fluoranthene            | 18.875 | 202  | 1213150  | 37.801 | ng/ul  | 97       |
| 20) Pyrene                  | 19.238 | 202  | 853645   | 24.596 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 20.994 | 228  | 563158   | 19.670 | ng/ul  | 99       |
| 22) Chrysene                | 21.047 | 228  | 550445   | 15.065 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.490 | 252  | 1017984  | 26.689 | ng/ul  | 82       |
| 25) Benzo(k)fluoranthene    | 22.490 | 252  | 1017984  | 22.449 | ng/ul# | 80       |
| 26) Benzo(a)pyrene          | 23.151 | 252  | 20493    | 0.580  | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.149 | 276  | 268556   | 4.643  | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.155 | 278  | 102230   | 2.374  | ng/ul  | 92       |
| 29) Benzo(g,h,i)perylene    | 25.776 | 276  | 38049    | 0.767  | ng/ul  | 97       |
| -----                       |        |      |          |        |        |          |

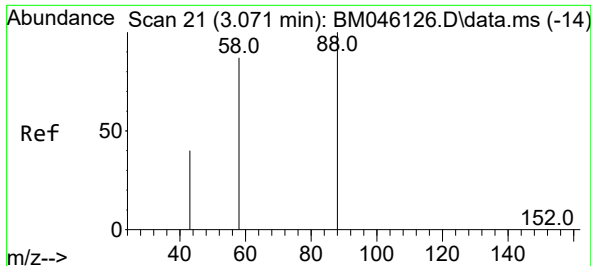
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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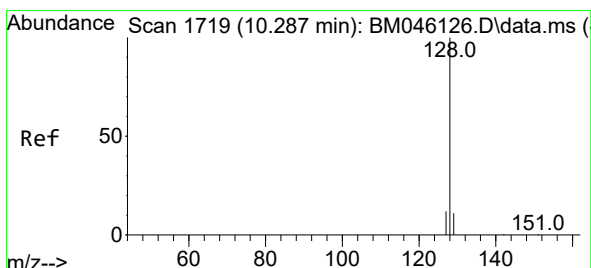
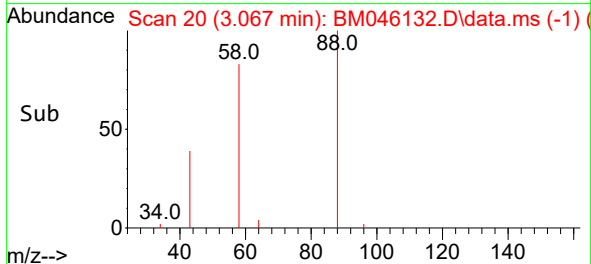
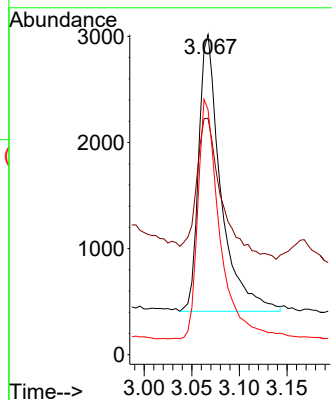
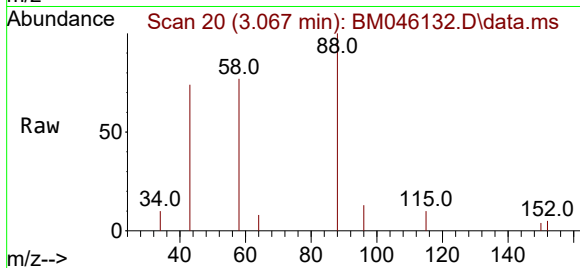




#2  
1,4-Dioxane  
Concen: 1.091 ng/ul  
RT: 3.067 min Scan# 20  
Delta R.T. -0.008 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

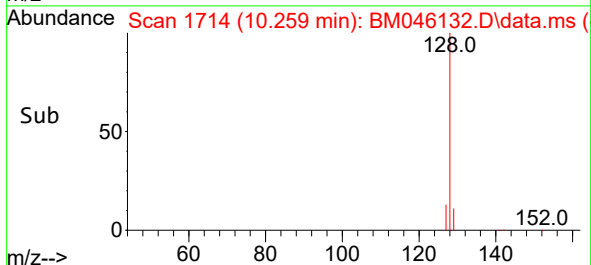
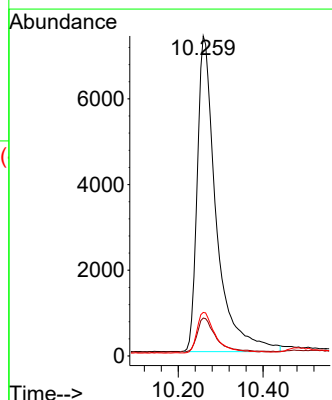
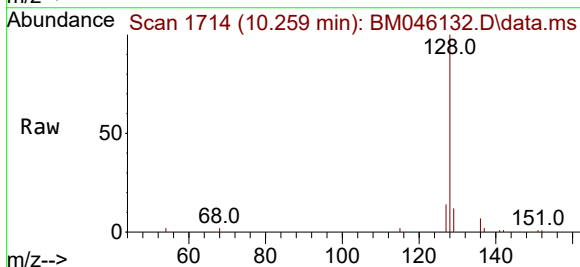
Instrument :  
BNA\_M  
ClientSampleId :  
A4B87MSD

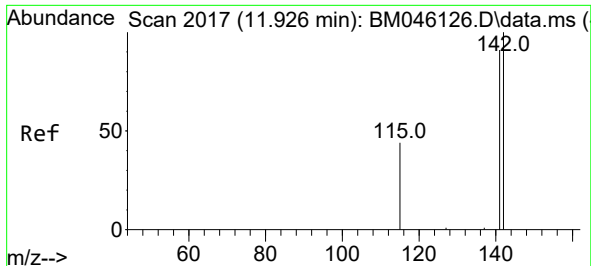
Tgt Ion: 88 Resp: 4219  
Ion Ratio Lower Upper  
88 100  
43 73.9 69.8 104.8  
58 76.6 53.2 79.8



#5  
Naphthalene  
Concen: 1.143 ng/ul  
RT: 10.259 min Scan# 1714  
Delta R.T. -0.044 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

Tgt Ion: 128 Resp: 22872  
Ion Ratio Lower Upper  
128 100  
129 11.8 11.8 17.6  
127 13.6 12.8 19.2

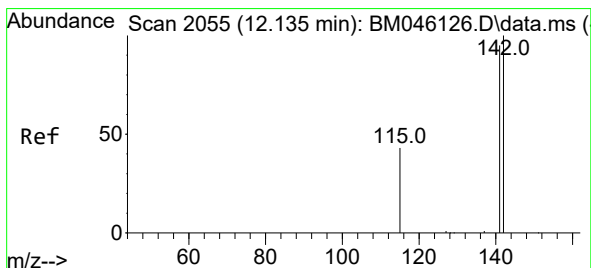
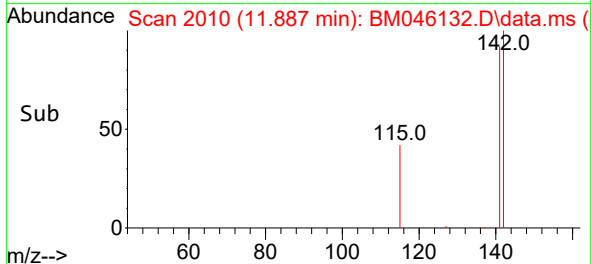
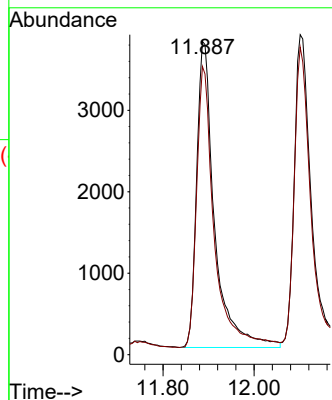
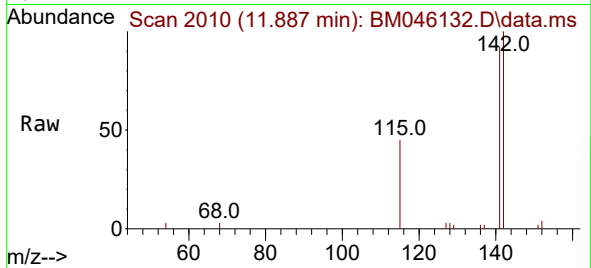




#7  
2-Methylnaphthalene  
Concen: 0.910 ng/ul  
RT: 11.887 min Scan# 2010  
Delta R.T. -0.060 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

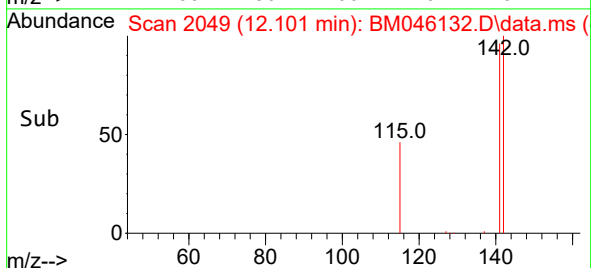
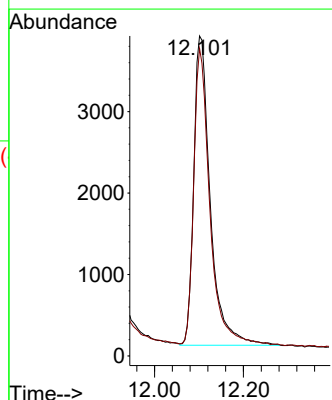
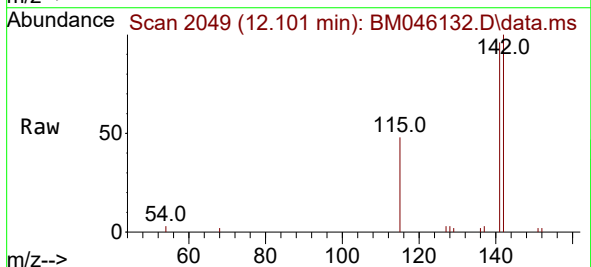
Instrument :  
BNA\_M  
ClientSampleId :  
A4B87MSD

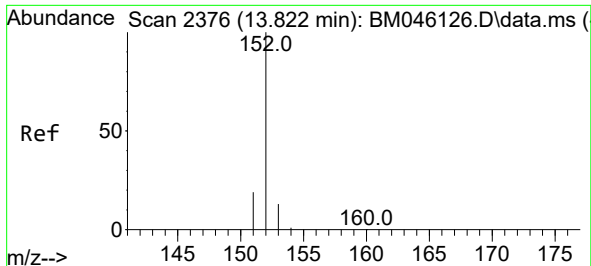
Tgt Ion:142 Resp: 10255  
Ion Ratio Lower Upper  
142 100  
141 90.8 74.6 111.8



#8  
1-Methylnaphthalene  
Concen: 0.795 ng/ul  
RT: 12.101 min Scan# 2049  
Delta R.T. -0.049 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

Tgt Ion:142 Resp: 9831  
Ion Ratio Lower Upper  
142 100  
141 93.1 75.2 112.8

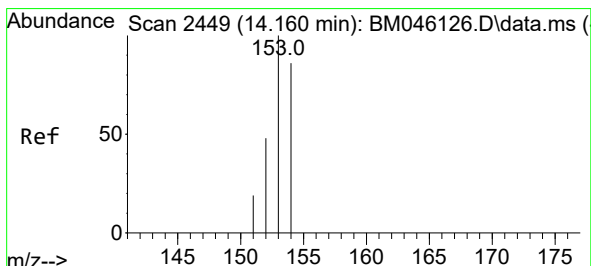
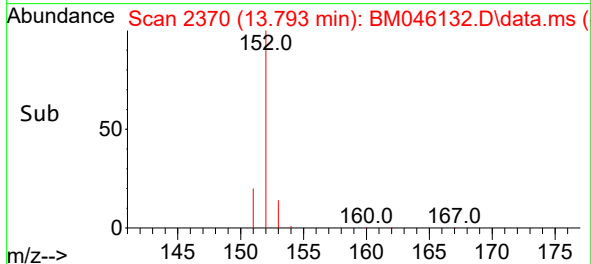
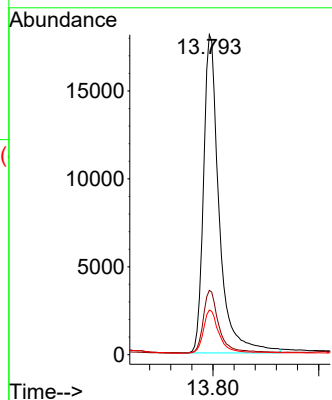
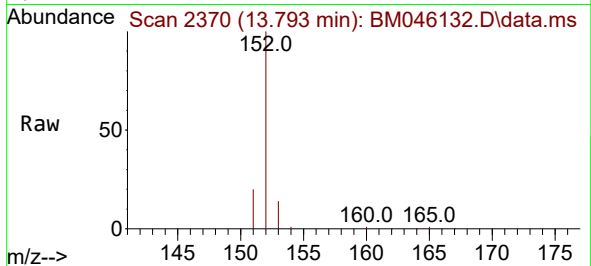




#10  
Acenaphthylene  
Concen: 1.921 ng/ul  
RT: 13.793 min Scan# 21  
Delta R.T. -0.042 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

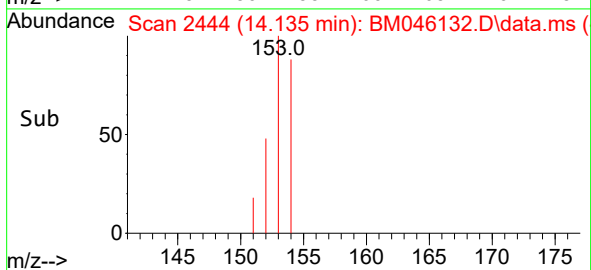
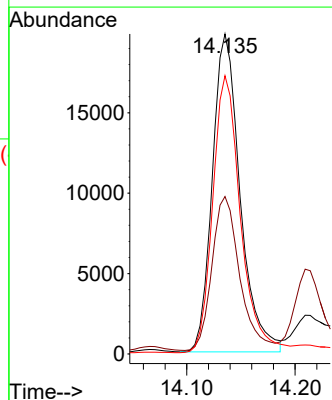
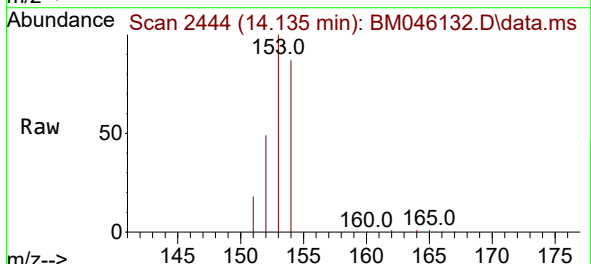
Instrument :  
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ClientSampleId :  
A4B87MSD

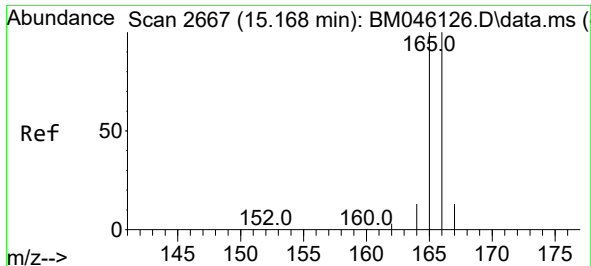
Tgt Ion:152 Resp: 37200  
Ion Ratio Lower Upper  
152 100  
151 20.1 17.4 26.2  
153 14.0 11.8 17.8



#11  
Acenaphthene  
Concen: 2.519 ng/ul  
RT: 14.135 min Scan# 2444  
Delta R.T. -0.037 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

Tgt Ion:153 Resp: 35209  
Ion Ratio Lower Upper  
153 100  
152 49.2 41.3 61.9  
154 86.9 68.2 102.4

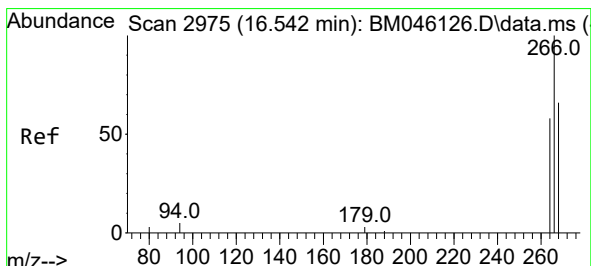
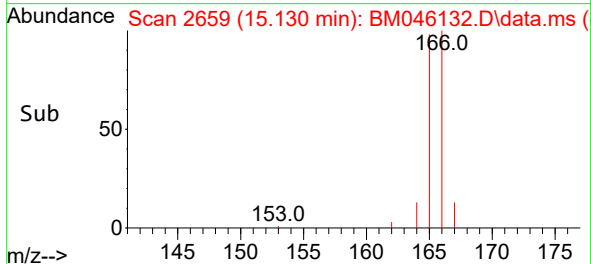
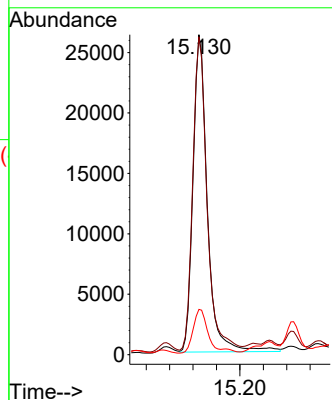
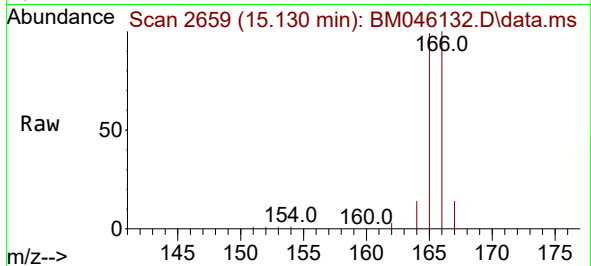




#12  
Fluorene  
Concen: 2.974 ng/ul  
RT: 15.130 min Scan# 2  
Delta R.T. -0.051 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

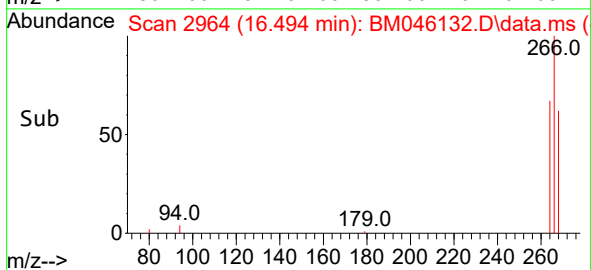
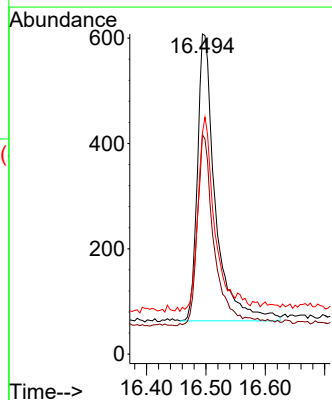
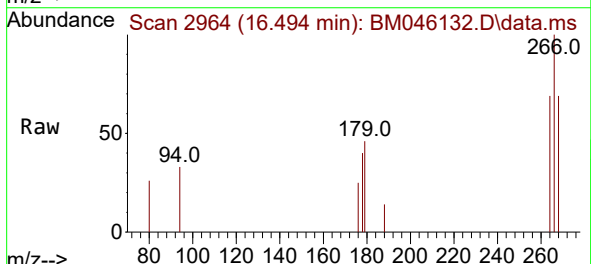
Instrument :  
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ClientSampleId :  
A4B87MSD

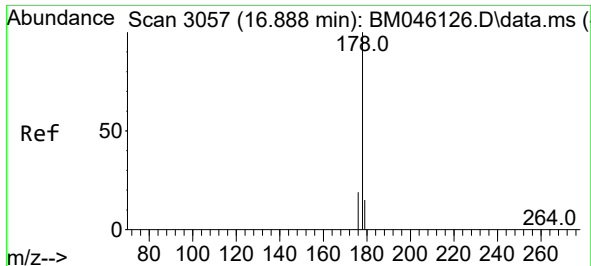
Tgt Ion:166 Resp: 44598  
Ion Ratio Lower Upper  
166 100  
165 99.3 80.4 120.6  
167 14.2 12.4 18.6



#14  
Pentachlorophenol  
Concen: 0.436 ng/ul  
RT: 16.494 min Scan# 2964  
Delta R.T. -0.072 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

Tgt Ion:266 Resp: 1140  
Ion Ratio Lower Upper  
266 100  
264 64.9 50.9 76.3  
268 64.4 52.3 78.5

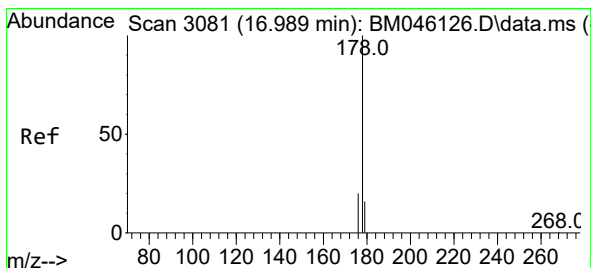
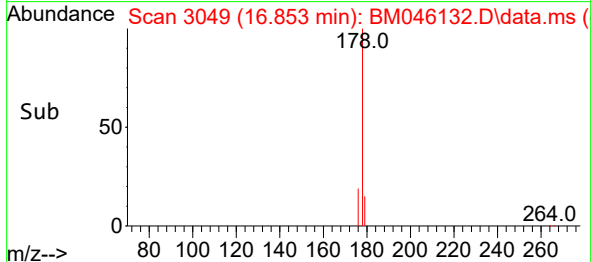
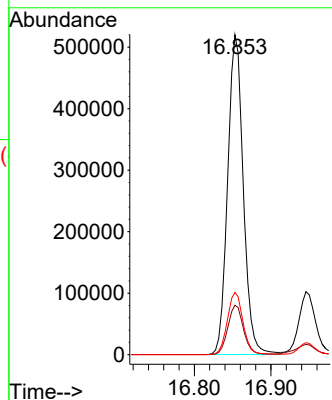
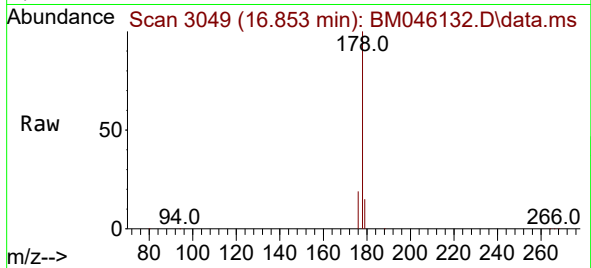




#15  
Phenanthrene  
Concen: 30.124 ng/ul  
RT: 16.853 min Scan# 3071  
Delta R.T. -0.051 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

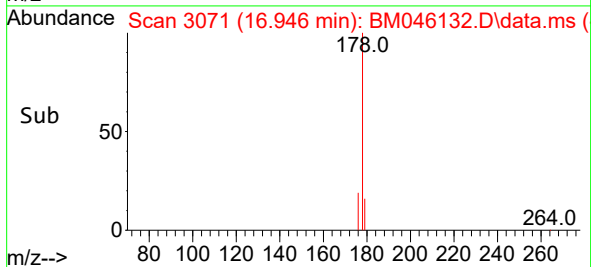
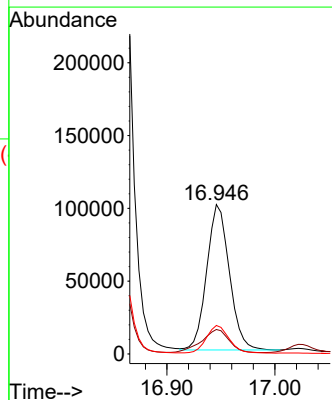
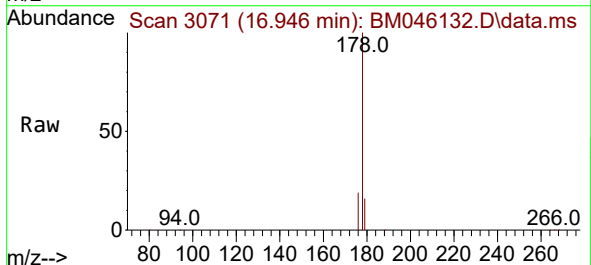
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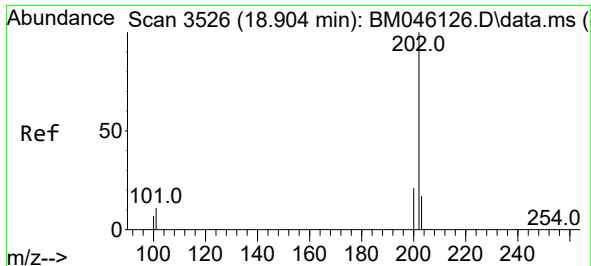
Tgt Ion:178 Resp: 737934  
Ion Ratio Lower Upper  
178 100  
179 15.5 14.2 21.2  
176 19.5 17.1 25.7



#16  
Anthracene  
Concen: 7.963 ng/ul  
RT: 16.946 min Scan# 3071  
Delta R.T. -0.059 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

Tgt Ion:178 Resp: 145277  
Ion Ratio Lower Upper  
178 100  
179 16.4 14.9 22.3  
176 19.1 17.0 25.4

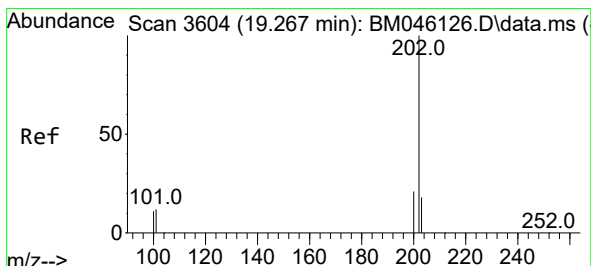
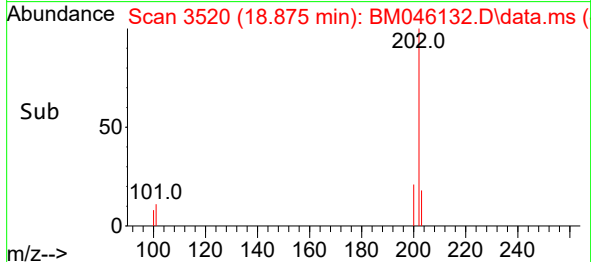
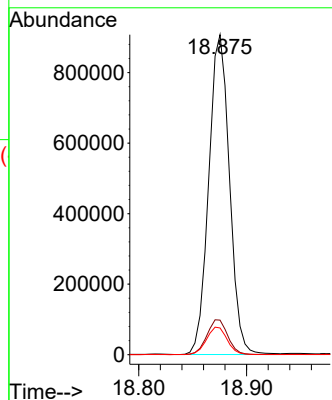
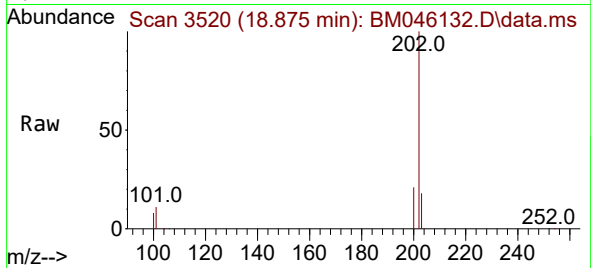




#19  
Fluoranthene  
Concen: 37.801 ng/ul  
RT: 18.875 min Scan# 3520  
Delta R.T. -0.042 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

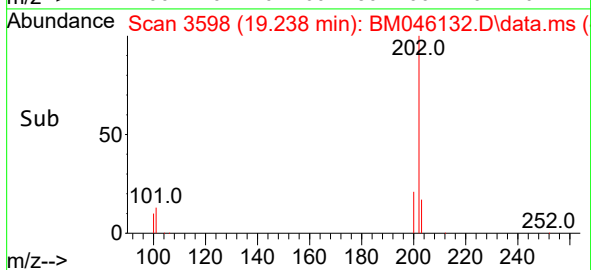
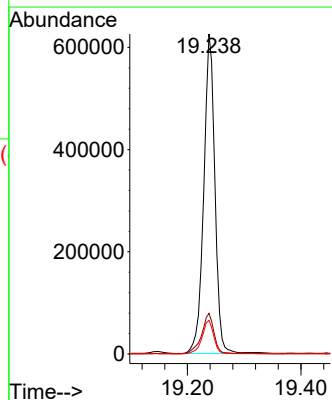
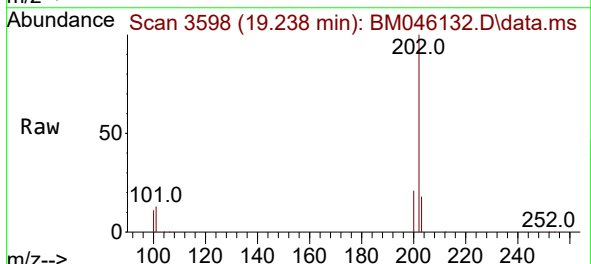
Instrument :  
BNA\_M  
ClientSampleId :  
A4B87MSD

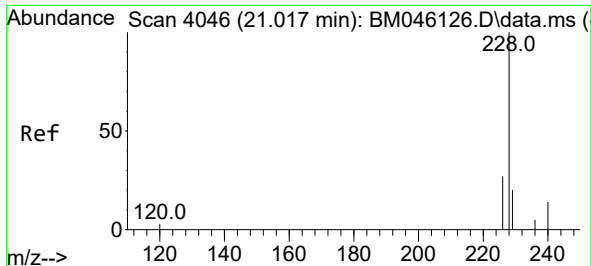
Tgt Ion:202 Resp: 1213150  
Ion Ratio Lower Upper  
202 100  
101 10.8 9.6 14.4  
100 8.3 7.6 11.4



#20  
Pyrene  
Concen: 24.596 ng/ul  
RT: 19.238 min Scan# 3598  
Delta R.T. -0.037 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

Tgt Ion:202 Resp: 853645  
Ion Ratio Lower Upper  
202 100  
101 12.7 11.3 16.9  
100 10.5 9.8 14.6

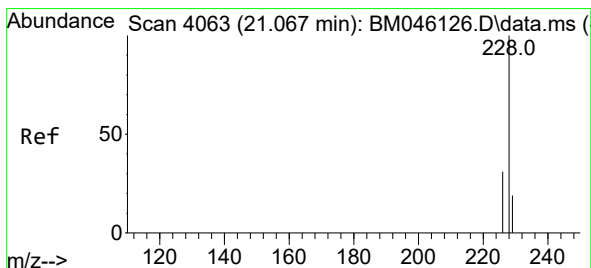
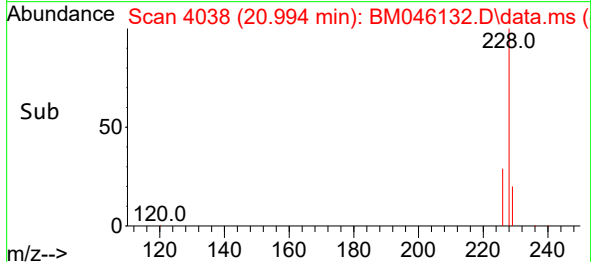
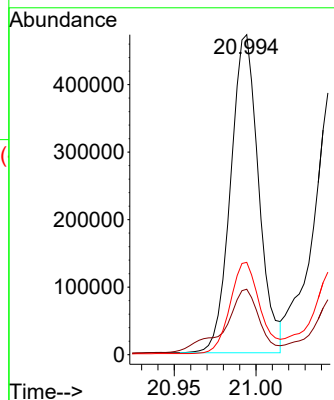
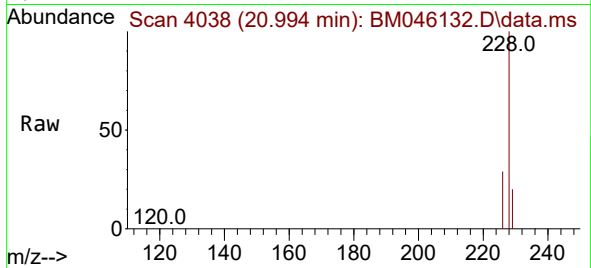




#21  
Benzo(a)anthracene  
Concen: 19.670 ng/ul  
RT: 20.994 min Scan# 4046  
Delta R.T. -0.035 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

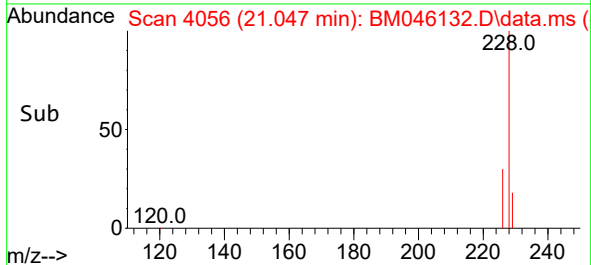
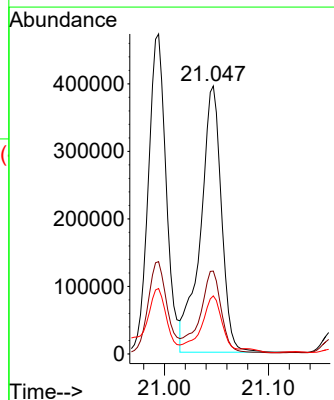
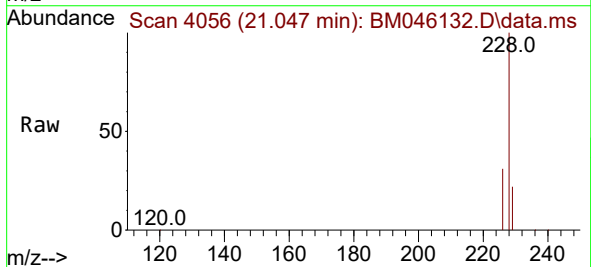
Instrument :  
BNA\_M  
ClientSampleId :  
A4B87MSD

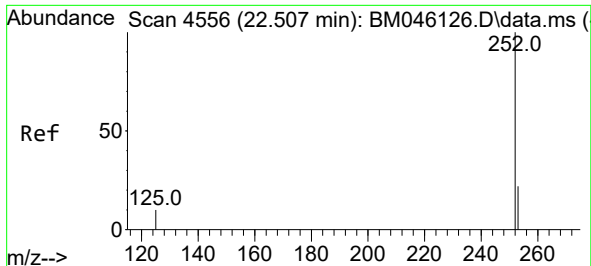
Tgt Ion:228 Resp: 563158  
Ion Ratio Lower Upper  
228 100  
229 20.5 16.4 24.6  
226 28.9 23.4 35.2



#22  
Chrysene  
Concen: 15.065 ng/ul  
RT: 21.047 min Scan# 4056  
Delta R.T. -0.029 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

Tgt Ion:228 Resp: 550445  
Ion Ratio Lower Upper  
228 100  
226 30.9 25.2 37.8  
229 21.7 16.3 24.5

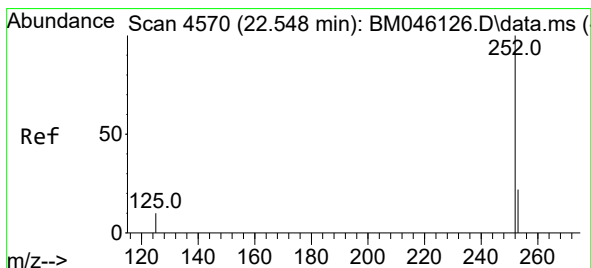
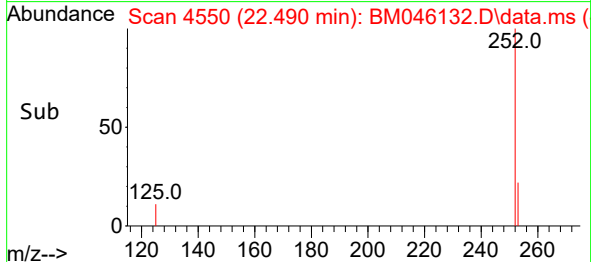
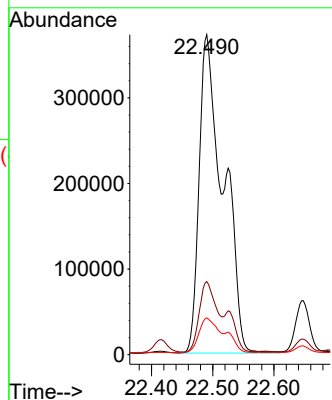
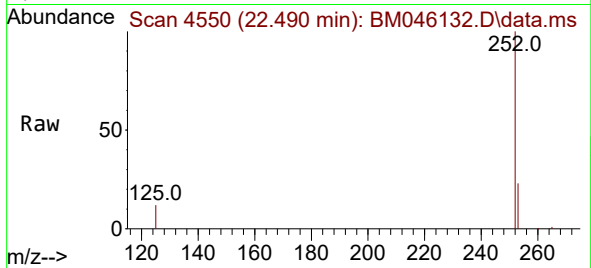




#24  
Benzo(b)fluoranthene  
Concen: 26.689 ng/ul  
RT: 22.490 min Scan# 4550  
Delta R.T. -0.029 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

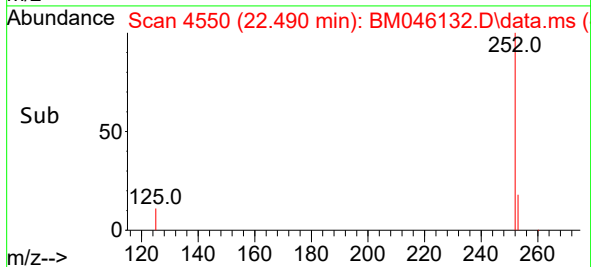
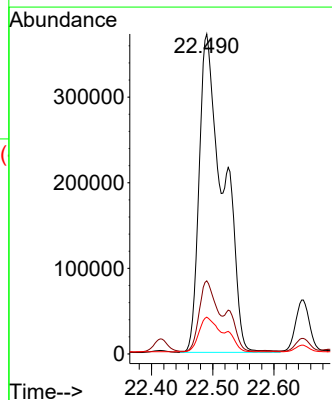
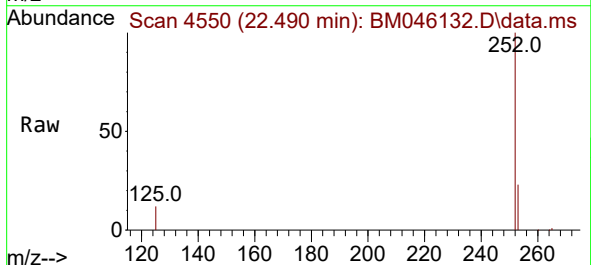
Instrument :  
BNA\_M  
ClientSampleId :  
A4B87MSD

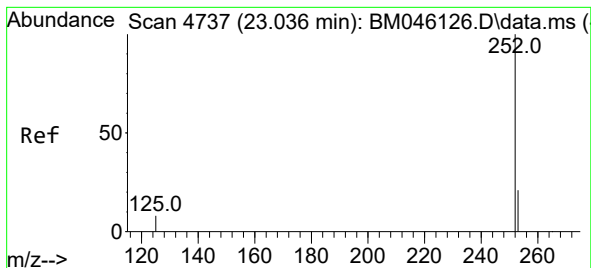
Tgt Ion:252 Resp: 1017984  
Ion Ratio Lower Upper  
252 100  
253 22.9 0.0 65.8  
125 11.5 0.0 40.2



#25  
Benzo(k)fluoranthene  
Concen: 22.449 ng/ul  
RT: 22.490 min Scan# 4550  
Delta R.T. -0.073 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

Tgt Ion:252 Resp: 1017984  
Ion Ratio Lower Upper  
252 100  
253 22.9 27.2 40.8#  
125 11.5 16.6 25.0#





#26

Benzo(a)pyrene

Concen: 0.580 ng/ul

RT: 23.151 min Scan# 41

Delta R.T. 0.096 min

Lab File: BM046132.D

Acq: 20 Jun 2024 20:37

Instrument :

BNA\_M

ClientSampleId :

A4B87MSD

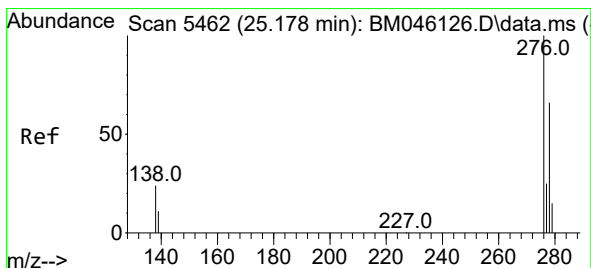
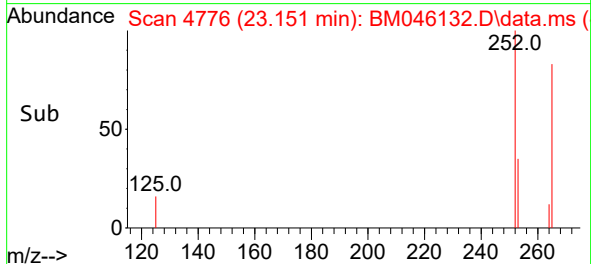
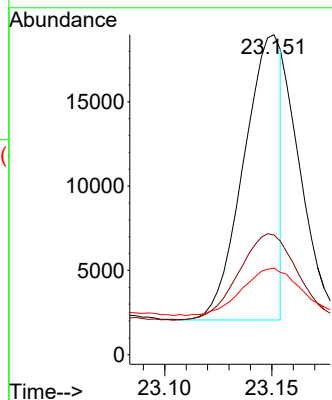
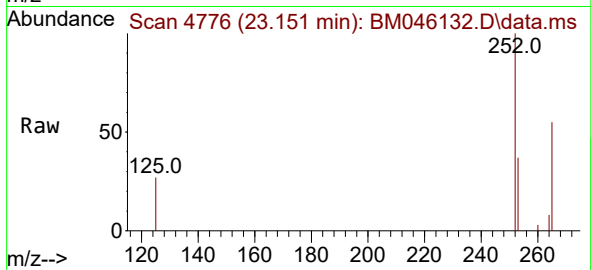
Tgt Ion:252 Resp: 20493

Ion Ratio Lower Upper

252 100

253 37.4 32.1 48.1

125 27.1 21.2 31.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.643 ng/ul

RT: 25.149 min Scan# 5453

Delta R.T. -0.054 min

Lab File: BM046132.D

Acq: 20 Jun 2024 20:37

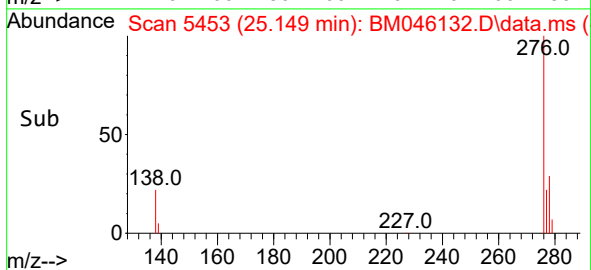
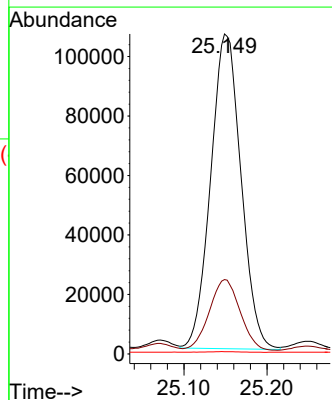
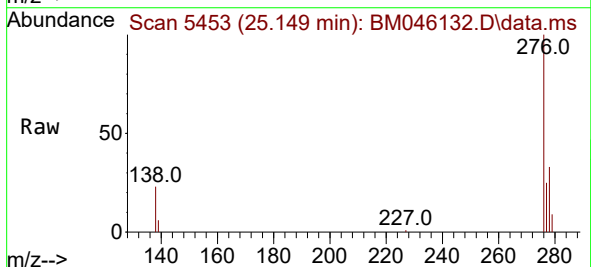
Tgt Ion:276 Resp: 268556

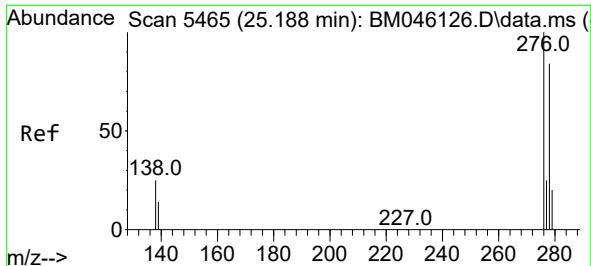
Ion Ratio Lower Upper

276 100

138 22.8 21.0 31.4

227 0.2 0.0 0.0#

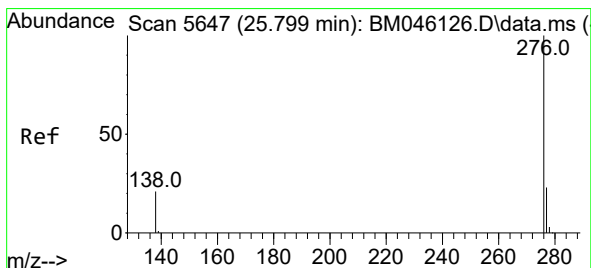
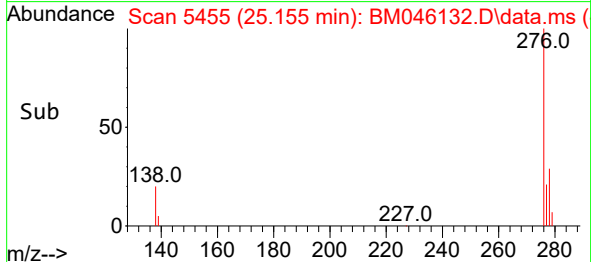
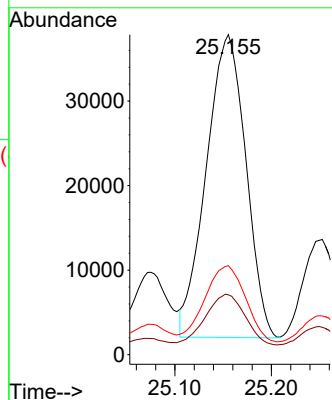
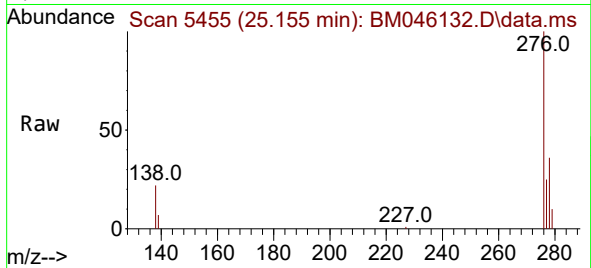




#28  
Dibenzo(a,h)anthracene  
Concen: 2.374 ng/ul  
RT: 25.155 min Scan# 54  
Delta R.T. -0.060 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

Instrument :  
BNA\_M  
ClientSampleId :  
A4B87MSD

Tgt Ion:278 Resp: 102230  
Ion Ratio Lower Upper  
278 100  
139 18.7 17.6 26.4  
279 27.8 26.3 39.5



#29  
Benzo(g,h,i)perylene  
Concen: 0.767 ng/ul  
RT: 25.776 min Scan# 5640  
Delta R.T. -0.054 min  
Lab File: BM046132.D  
Acq: 20 Jun 2024 20:37

Tgt Ion:276 Resp: 38049  
Ion Ratio Lower Upper  
276 100  
138 26.5 21.7 32.5  
277 28.3 20.4 30.6

