

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081624\  
 Data File : BM047243.D  
 Acq On : 16 Aug 2024 20:32  
 Operator : RC/JU  
 Sample : P3634-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TR-06-08152024

Quant Time: Aug 16 23:21:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Aug 11 23:47:58 2024  
 Response via : Initial Calibration

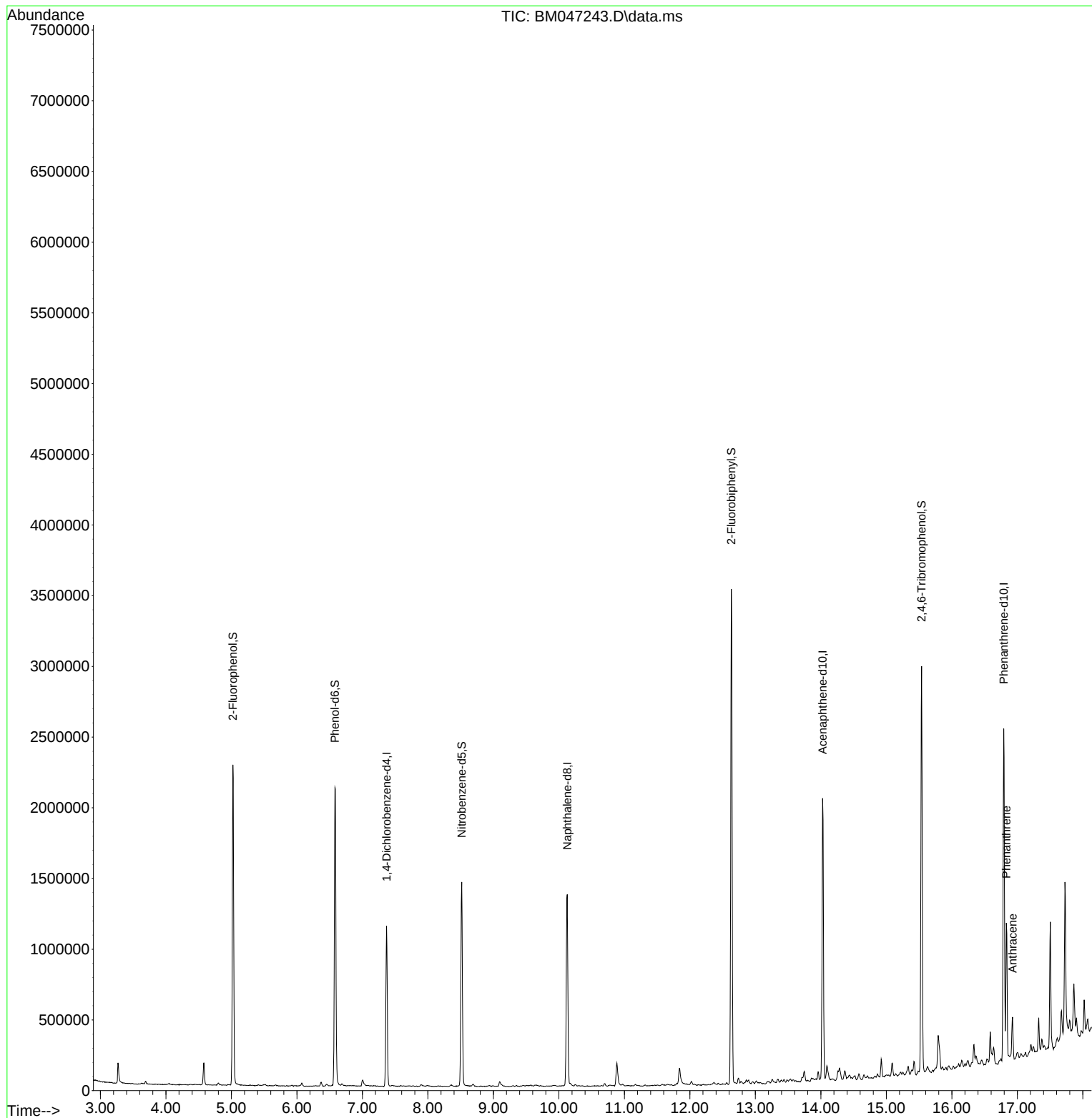
| Compound                    | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|-------|----------|
| -----                       |        |      |          |           |       |          |
| Internal Standards          |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.369  | 152  | 309260   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.128 | 136  | 1135952  | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.027 | 164  | 713201   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.792 | 188  | 1437925  | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12            | 21.033 | 240  | 1107965  | 20.000    | ng    | 0.00     |
| 86) Perylene-d12            | 23.744 | 264  | 1262544  | 20.000    | ng    | 0.02     |
| System Monitoring Compounds |        |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.022  | 112  | 977070   | 56.453    | ng    | 0.00     |
| 7) Phenol-d6                | 6.581  | 99   | 1251716  | 52.486    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.516  | 82   | 838564   | 37.171    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.539 | 330  | 512141   | 61.930    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.633 | 172  | 1886421  | 40.800    | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.462 | 244  | 2554134  | 49.396    | ng    | 0.00     |
| Target Compounds            |        |      |          |           |       |          |
|                             |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde             | 6.534  | 77   | 1511     | Below Cal | #     | 60       |
| 71) Phenanthrene            | 16.833 | 178  | 582453   | 8.071     | ng    | 100      |
| 72) Anthracene              | 16.927 | 178  | 168626   | 2.402     | ng    | 99       |
| 75) Fluoranthene            | 18.868 | 202  | 1208596  | 13.769    | ng    | 99       |
| 78) Pyrene                  | 19.239 | 202  | 1101146  | 13.919    | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.015 | 228  | 496982   | 6.757     | ng    | 95       |
| 83) Chrysene                | 21.015 | 228  | 496982   | 7.122     | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 26.750 | 276  | 321023   | 3.934     | ng    | # 95     |
| 88) Benzo(b)fluoranthene    | 22.897 | 252  | 632085   | 8.430     | ng    | # 91     |
| 89) Benzo(k)fluoranthene    | 22.897 | 252  | 632085   | 8.925     | ng    | # 90     |
| 90) Benzo(a)pyrene          | 23.615 | 252  | 471085   | 7.253     | ng    | # 90     |
| 92) Benzo(g,h,i)perylene    | 27.685 | 276  | 322182   | 4.699     | ng    | 95       |
| -----                       |        |      |          |           |       |          |

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

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Sample : P3634-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TR-06-08152024

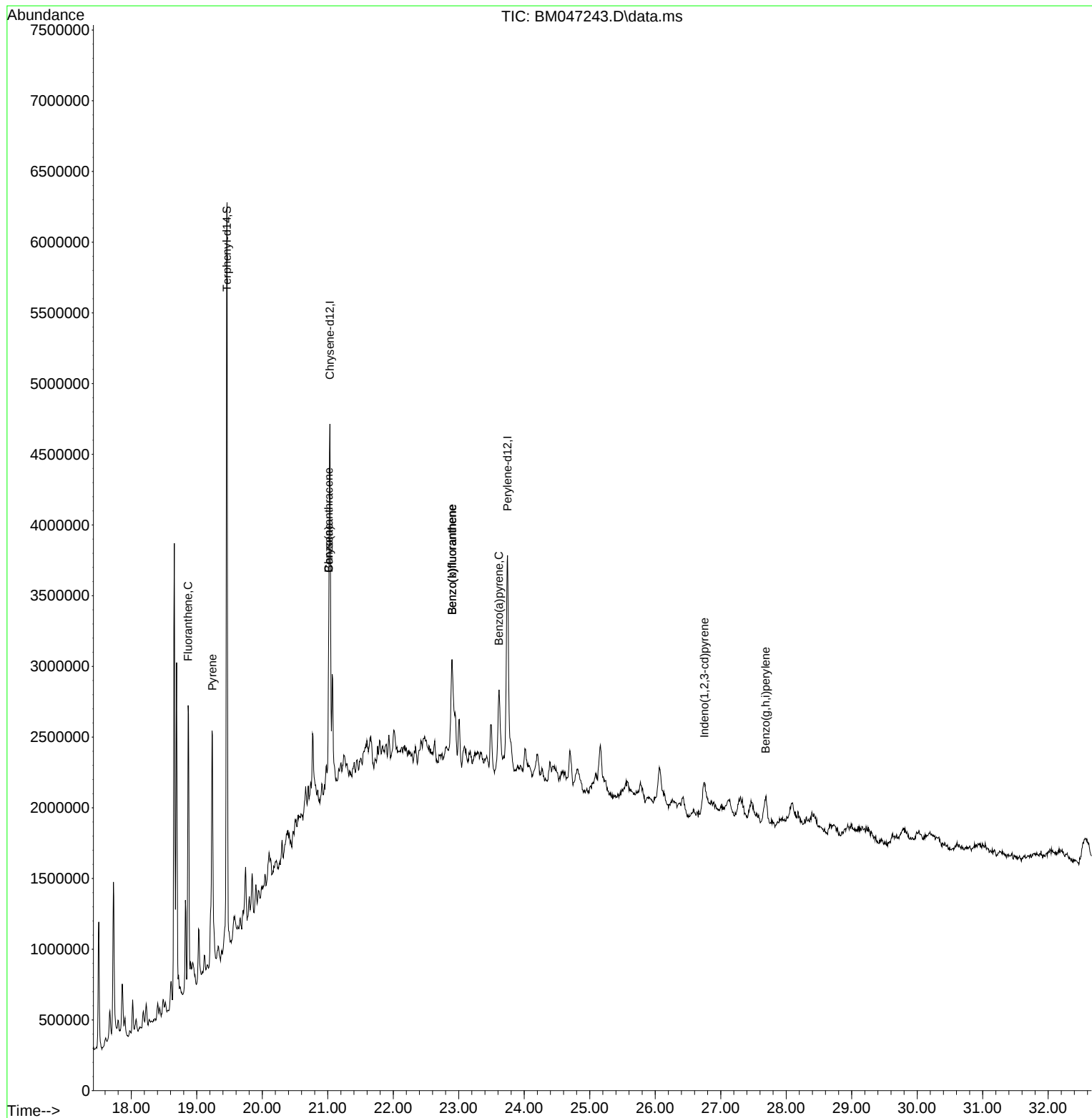
Quant Time: Aug 16 23:21:25 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Aug 11 23:47:58 2024  
Response via : Initial Calibration

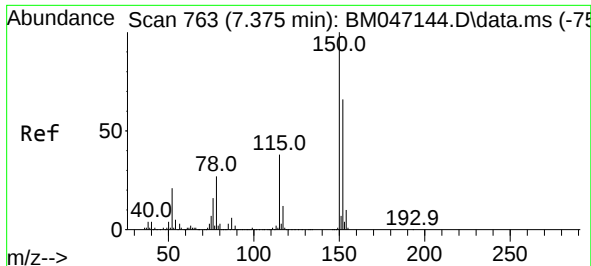


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081624\  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Aug 11 23:47:58 2024  
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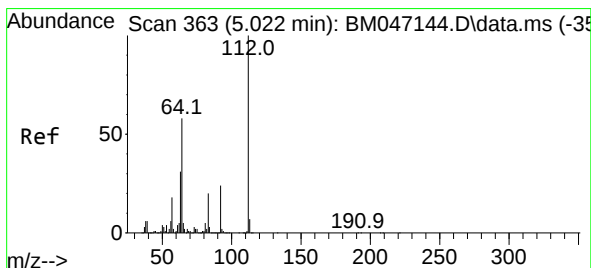
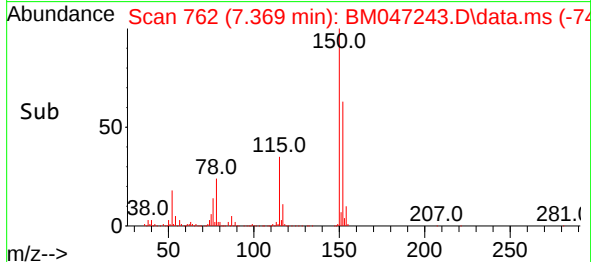
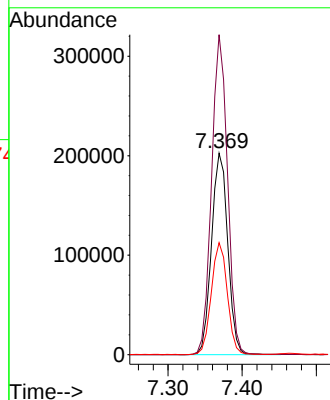
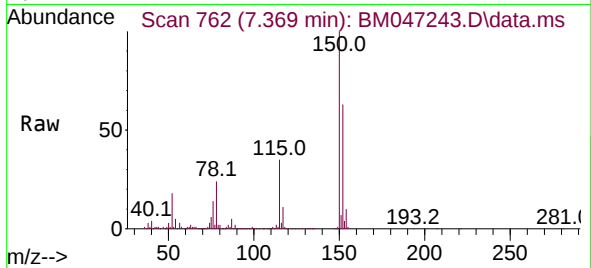




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.369 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BM047243.D  
Acq: 16 Aug 2024 20:32

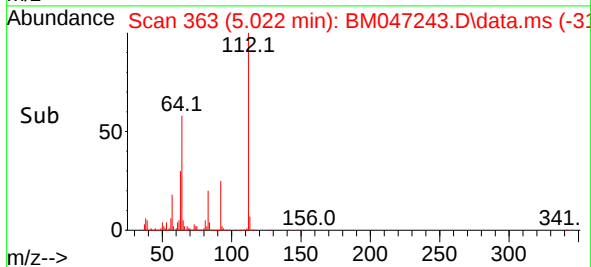
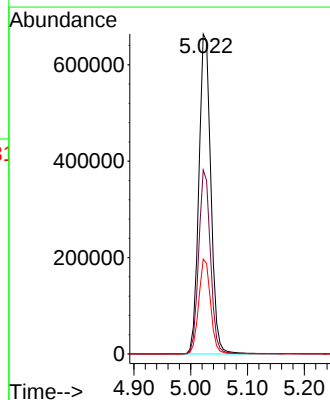
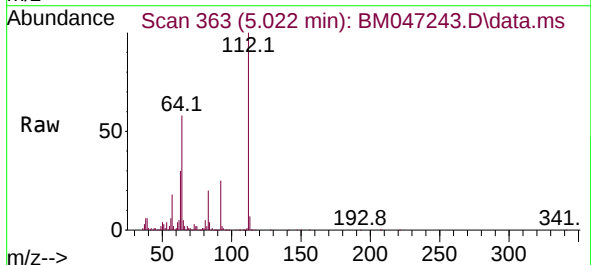
Instrument :  
BNA\_M  
ClientSampleId :  
TR-06-08152024

Tgt Ion:152 Resp: 309260  
Ion Ratio Lower Upper  
152 100  
150 158.8 120.5 180.7  
115 55.6 45.5 68.3



#5  
2-Fluorophenol  
Concen: 56.453 ng  
RT: 5.022 min Scan# 363  
Delta R.T. -0.000 min  
Lab File: BM047243.D  
Acq: 16 Aug 2024 20:32

Tgt Ion:112 Resp: 977070  
Ion Ratio Lower Upper  
112 100  
64 57.5 46.7 70.1  
63 29.7 24.8 37.2



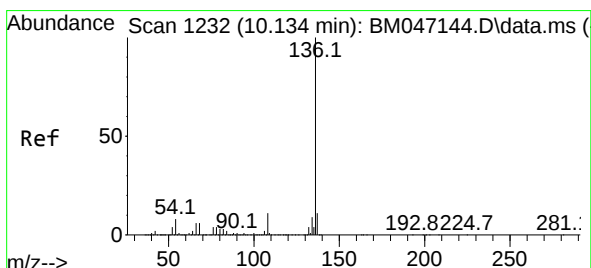
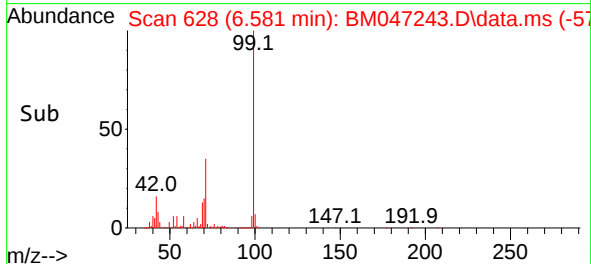
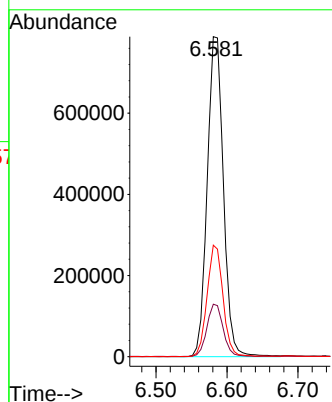
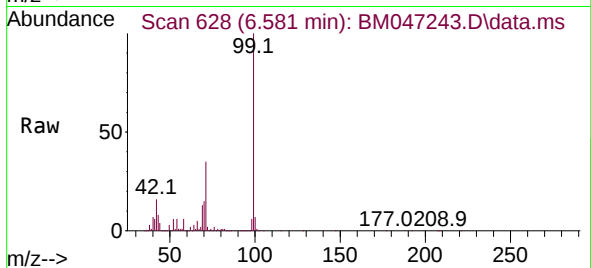


#7  
Phenol-d6  
Concen: 52.486 ng  
RT: 6.581 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM047243.D  
Acq: 16 Aug 2024 20:32

Instrument :  
BNA\_M  
ClientSampleId :  
TR-06-08152024

Tgt Ion: 99 Resp: 1251716

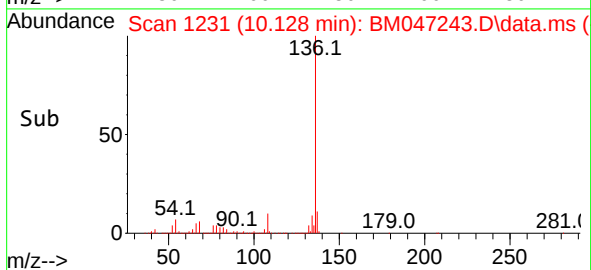
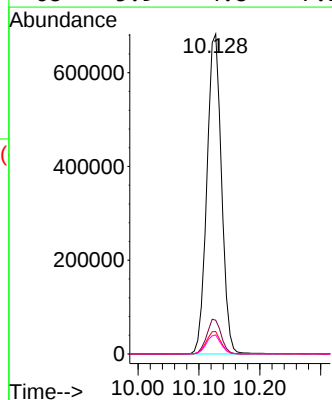
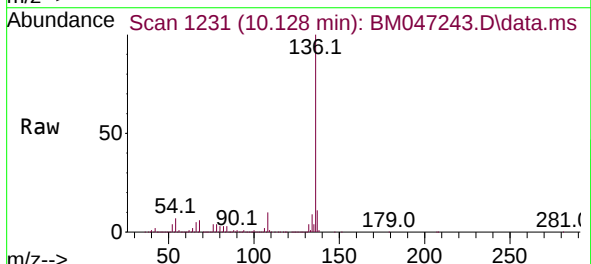
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.4  | 14.1  | 21.1  |
| 71  | 34.9  | 28.5  | 42.7  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.128 min Scan# 1231  
Delta R.T. -0.006 min  
Lab File: BM047243.D  
Acq: 16 Aug 2024 20:32

Tgt Ion: 136 Resp: 1135952

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.8   | 13.2  |
| 54  | 7.0   | 6.0   | 9.0   |
| 68  | 5.9   | 4.8   | 7.2   |

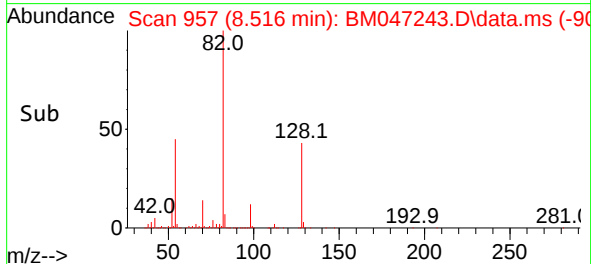
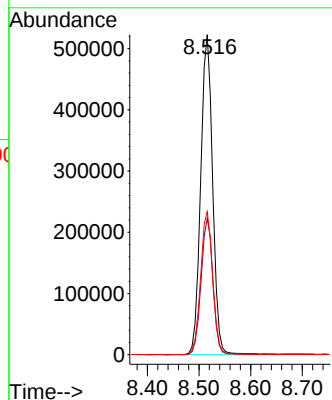
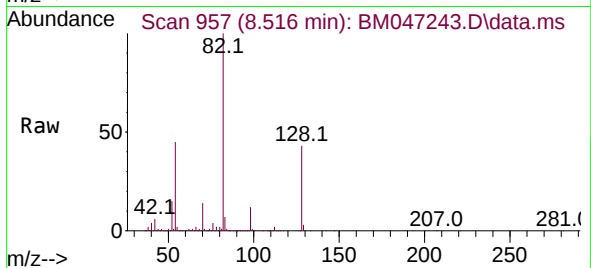




#23  
Nitrobenzene-d5  
Concen: 37.171 ng  
RT: 8.516 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BM047243.D  
Acq: 16 Aug 2024 20:32

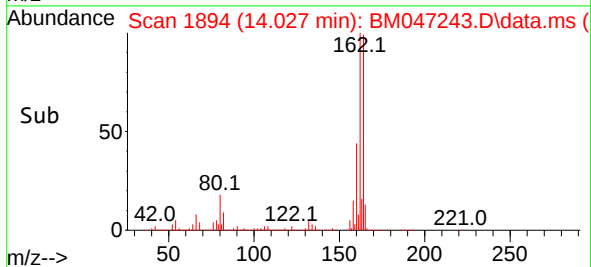
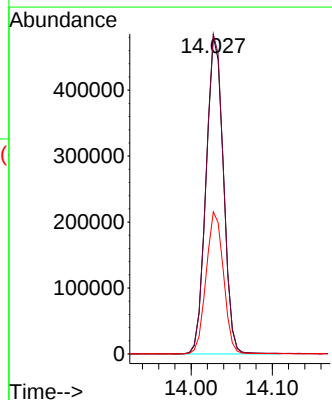
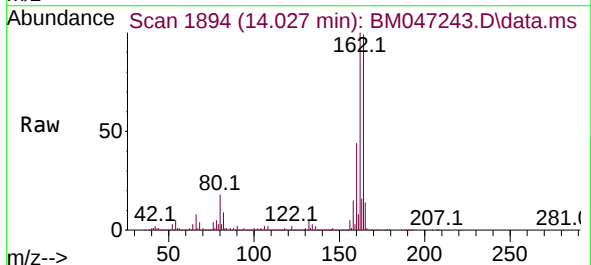
Instrument :  
BNA\_M  
ClientSampleId :  
TR-06-08152024

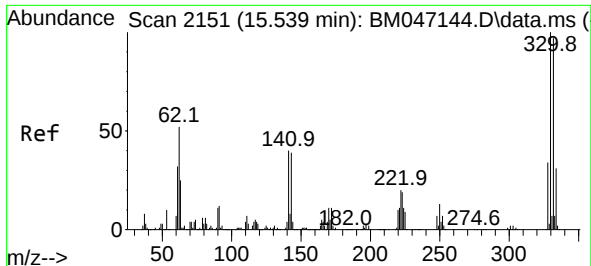
Tgt Ion: 82 Resp: 838564  
Ion Ratio Lower Upper  
82 100  
128 42.6 32.3 48.5  
54 44.7 37.4 56.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.027 min Scan# 1894  
Delta R.T. -0.006 min  
Lab File: BM047243.D  
Acq: 16 Aug 2024 20:32

Tgt Ion: 164 Resp: 713201  
Ion Ratio Lower Upper  
164 100  
162 100.7 80.7 121.1  
160 44.7 36.0 54.0

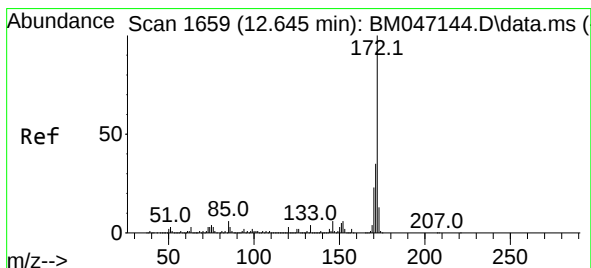
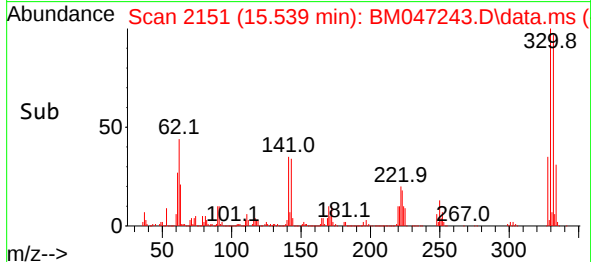
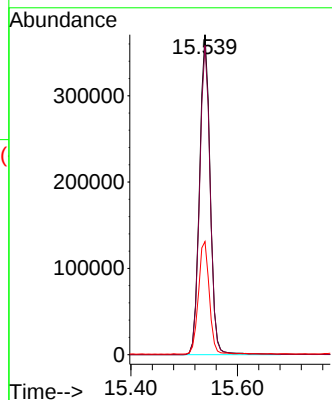
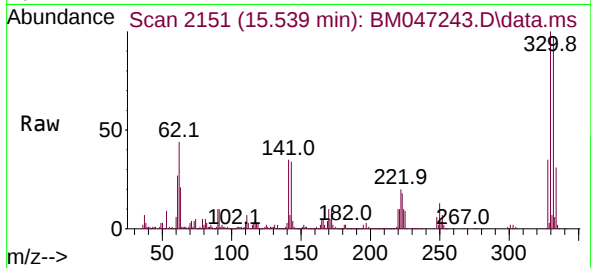




#42  
2,4,6-Tribromophenol  
Concen: 61.930 ng  
RT: 15.539 min Scan# 2151  
Delta R.T. -0.000 min  
Lab File: BM047243.D  
Acq: 16 Aug 2024 20:32

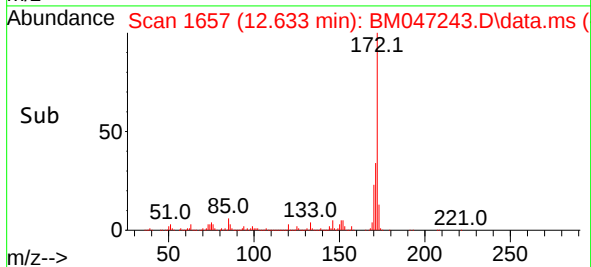
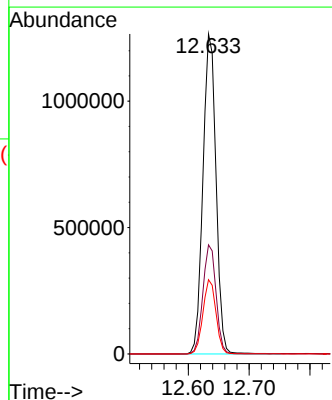
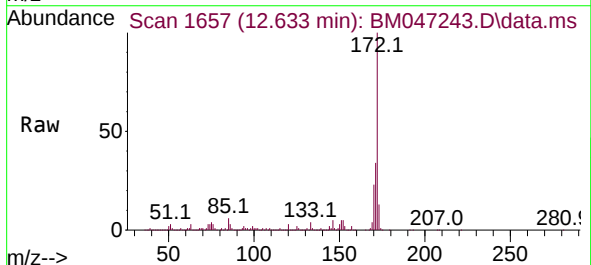
Instrument :  
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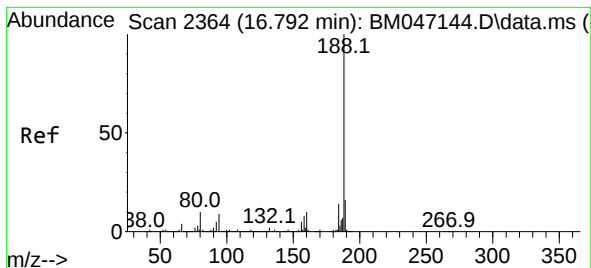
Tgt Ion:330 Resp: 512141  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.4 116.2  
141 35.6 31.6 47.4



#45  
2-Fluorobiphenyl  
Concen: 40.800 ng  
RT: 12.633 min Scan# 1657  
Delta R.T. -0.012 min  
Lab File: BM047243.D  
Acq: 16 Aug 2024 20:32

Tgt Ion:172 Resp: 1886421  
Ion Ratio Lower Upper  
172 100  
171 34.1 27.8 41.6  
170 23.2 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.792 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047243.D

Acq: 16 Aug 2024 20:32

Instrument :

BNA\_M

ClientSampleId :

TR-06-08152024

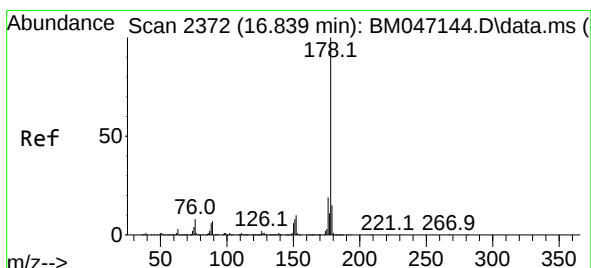
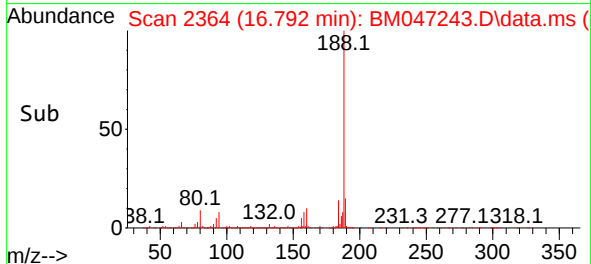
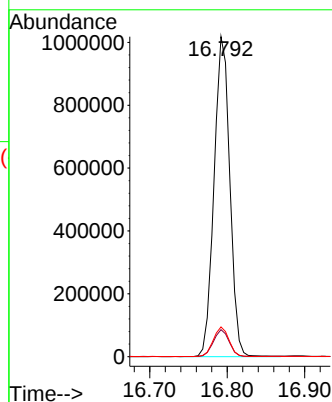
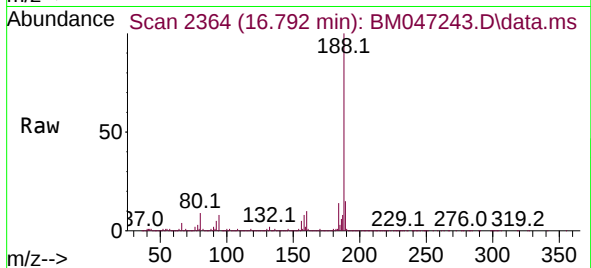
Tgt Ion:188 Resp: 1437925

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

80 9.3 8.0 12.0



#71

Phenanthrene

Concen: 8.071 ng

RT: 16.833 min Scan# 2371

Delta R.T. -0.006 min

Lab File: BM047243.D

Acq: 16 Aug 2024 20:32

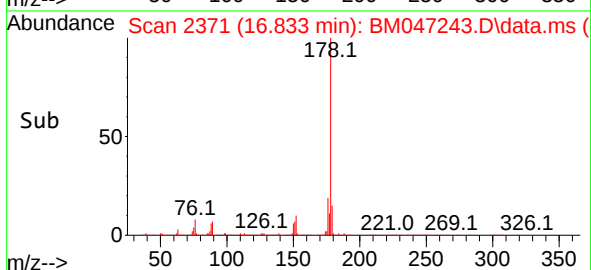
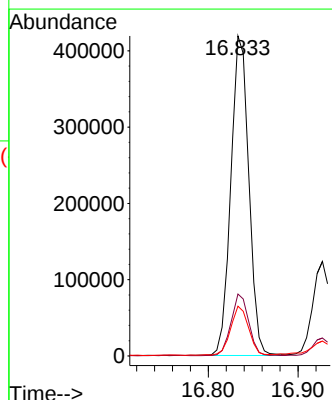
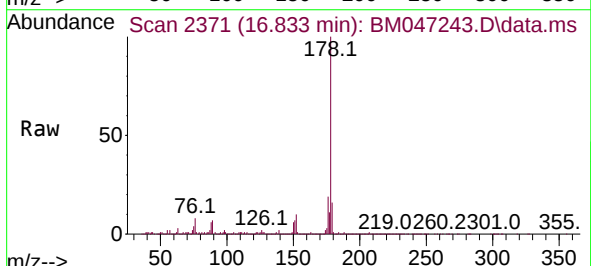
Tgt Ion:178 Resp: 582453

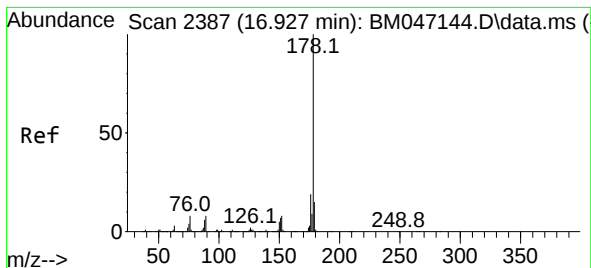
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.6 12.4 18.6





#72

Anthracene

Concen: 2.402 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047243.D

Acq: 16 Aug 2024 20:32

Instrument :

BNA\_M

ClientSampleId :

TR-06-08152024

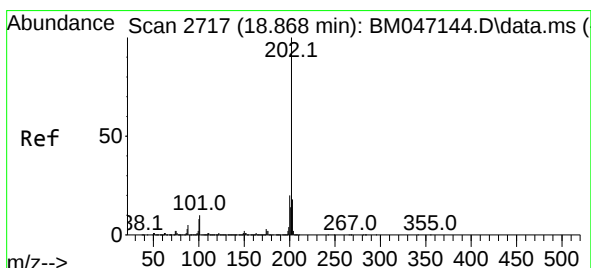
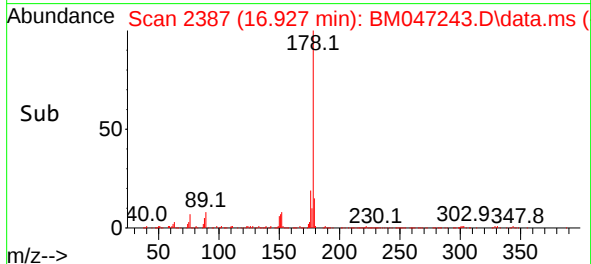
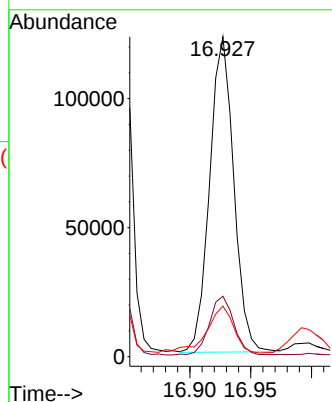
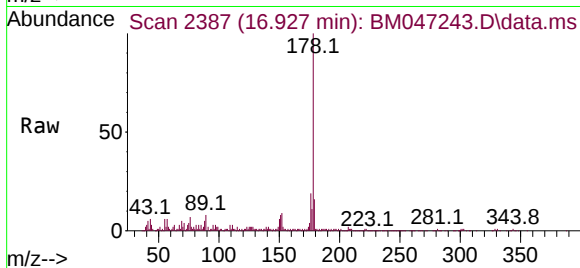
Tgt Ion:178 Resp: 168626

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 15.8 12.4 18.6



#75

Fluoranthene

Concen: 13.769 ng

RT: 18.868 min Scan# 2717

Delta R.T. -0.000 min

Lab File: BM047243.D

Acq: 16 Aug 2024 20:32

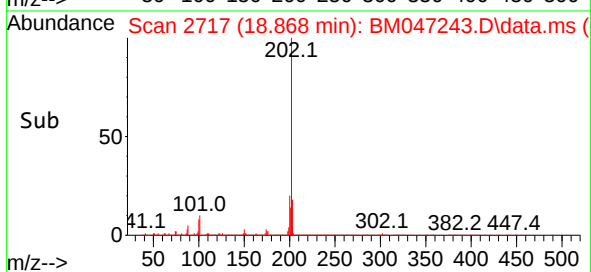
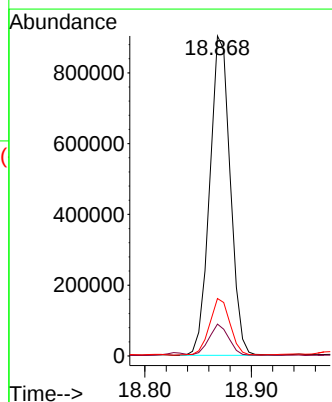
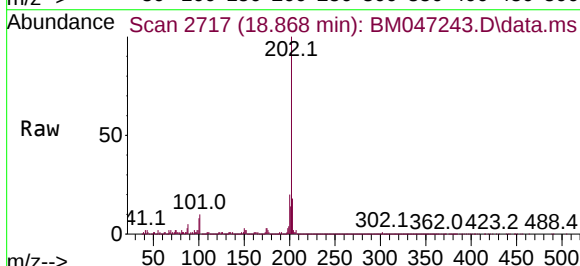
Tgt Ion:202 Resp: 1208596

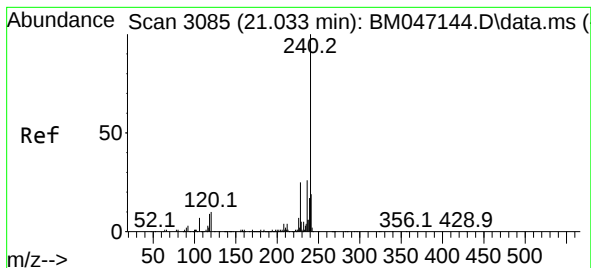
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.2

203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.033 min Scan# 30

Delta R.T. -0.000 min

Lab File: BM047243.D

Acq: 16 Aug 2024 20:32

Instrument :

BNA\_M

ClientSampleId :

TR-06-08152024

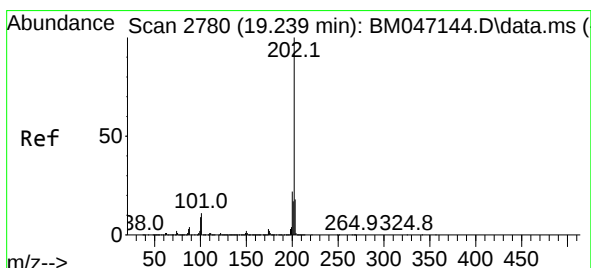
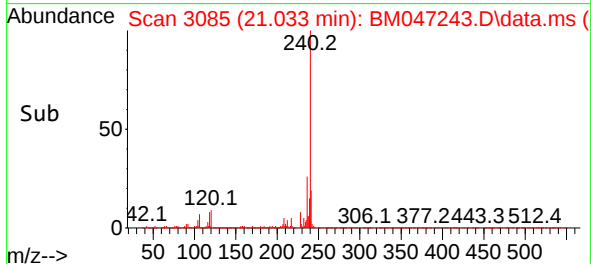
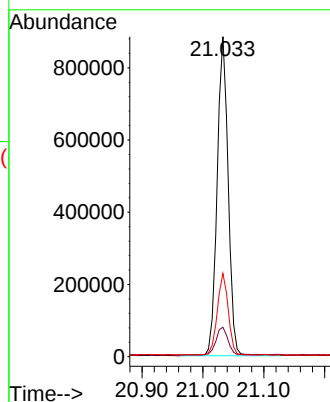
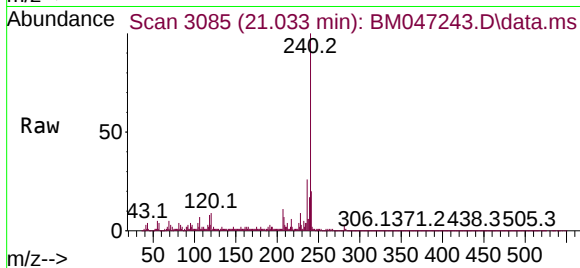
Tgt Ion:240 Resp: 1107965

Ion Ratio Lower Upper

240 100

120 9.2 8.2 12.2

236 26.0 20.6 30.8



#78

Pyrene

Concen: 13.919 ng

RT: 19.239 min Scan# 2780

Delta R.T. -0.000 min

Lab File: BM047243.D

Acq: 16 Aug 2024 20:32

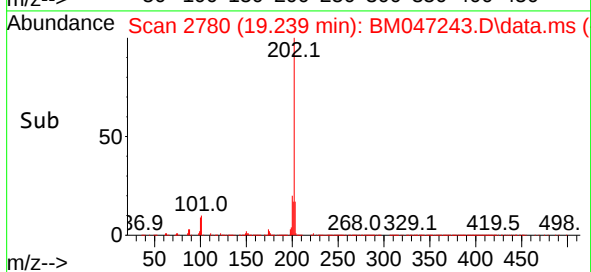
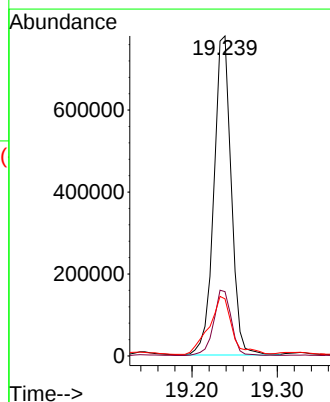
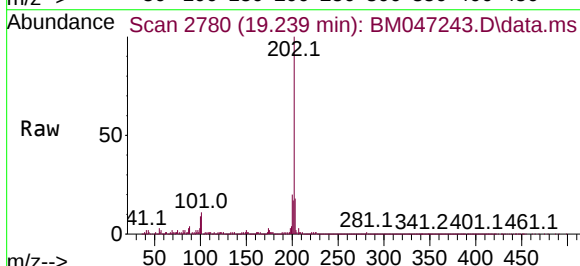
Tgt Ion:202 Resp: 1101146

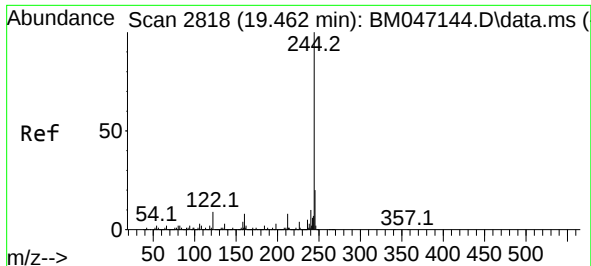
Ion Ratio Lower Upper

202 100

200 20.1 17.2 25.8

203 17.8 14.2 21.2

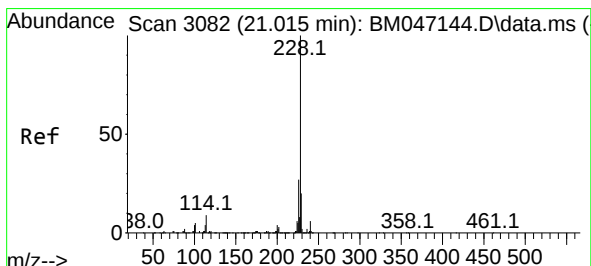
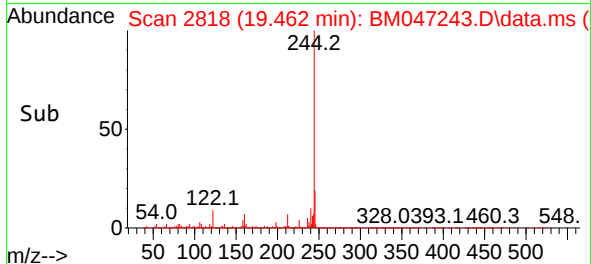
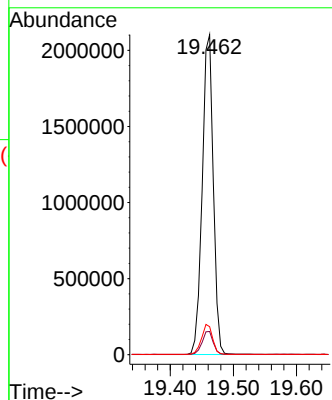
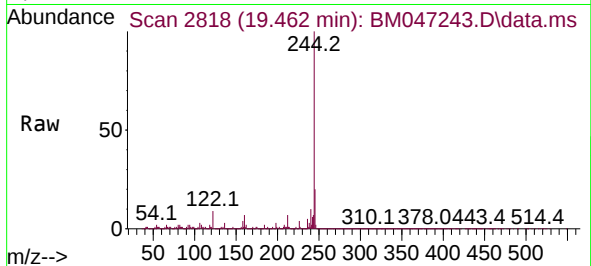




#79  
 Terphenyl-d14  
 Concen: 49.396 ng  
 RT: 19.462 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BM047243.D  
 Acq: 16 Aug 2024 20:32

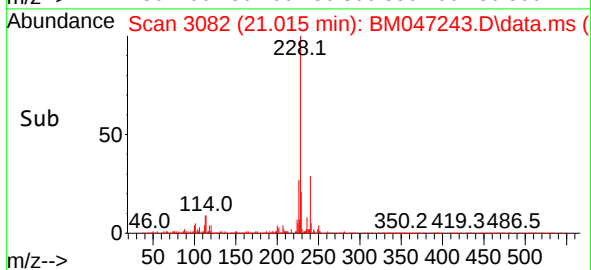
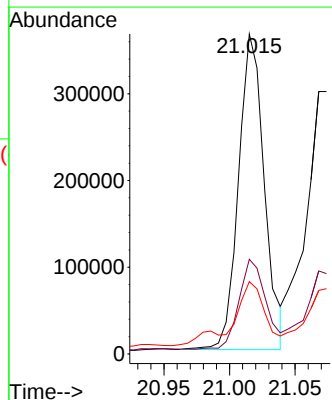
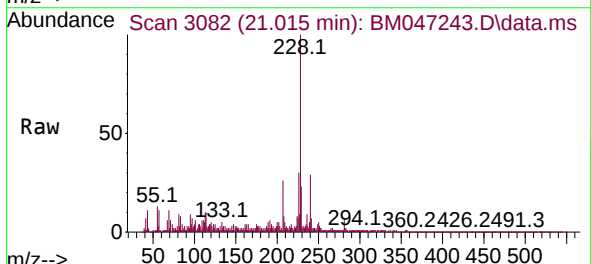
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TR-06-08152024

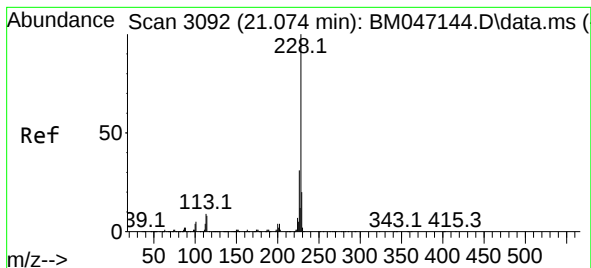
Tgt Ion:244 Resp: 2554134  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.2 9.4  
 122 8.7 7.1 10.7



#81  
 Benzo(a)anthracene  
 Concen: 6.757 ng  
 RT: 21.015 min Scan# 3082  
 Delta R.T. -0.000 min  
 Lab File: BM047243.D  
 Acq: 16 Aug 2024 20:32

Tgt Ion:228 Resp: 496982  
 Ion Ratio Lower Upper  
 228 100  
 226 29.6 21.8 32.6  
 229 22.6 15.8 23.8





#83

Chrysene

Concen: 7.122 ng

RT: 21.015 min Scan# 30

Delta R.T. -0.059 min

Lab File: BM047243.D

Acq: 16 Aug 2024 20:32

Instrument :

BNA\_M

ClientSampleId :

TR-06-08152024

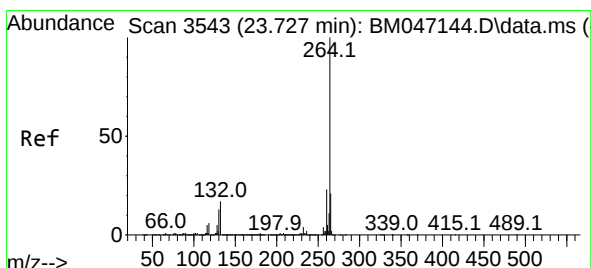
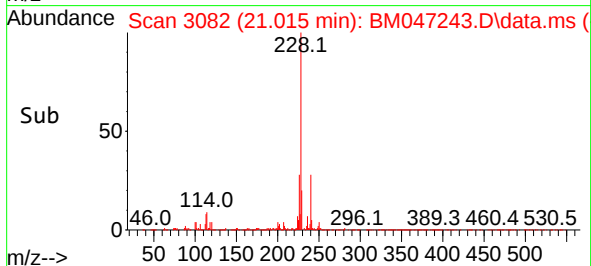
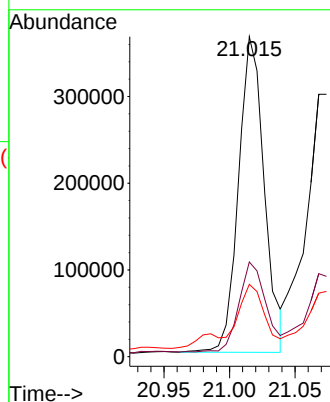
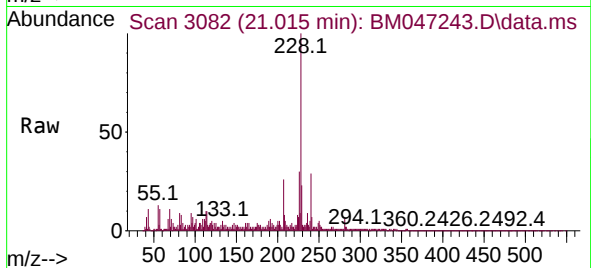
Tgt Ion:228 Resp: 496982

Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

229 22.6 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.744 min Scan# 3546

Delta R.T. 0.017 min

Lab File: BM047243.D

Acq: 16 Aug 2024 20:32

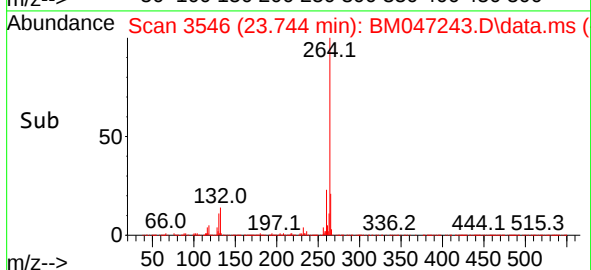
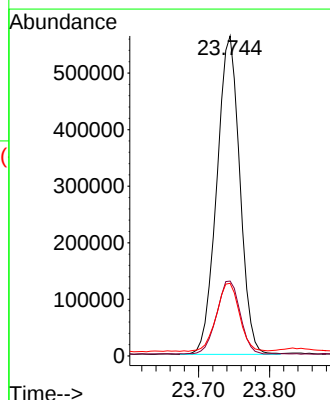
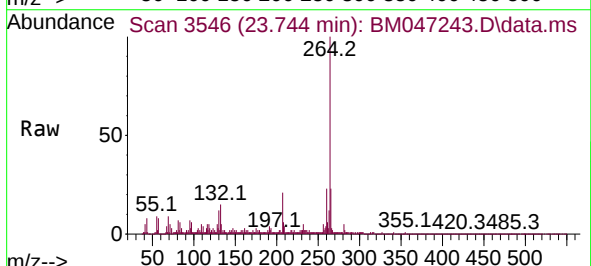
Tgt Ion:264 Resp: 1262544

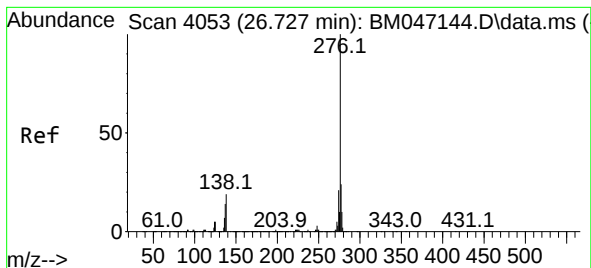
Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.934 ng

RT: 26.750 min Scan# 4053

Delta R.T. 0.023 min

Lab File: BM047243.D

Acq: 16 Aug 2024 20:32

Instrument :

BNA\_M

ClientSampleId :

TR-06-08152024

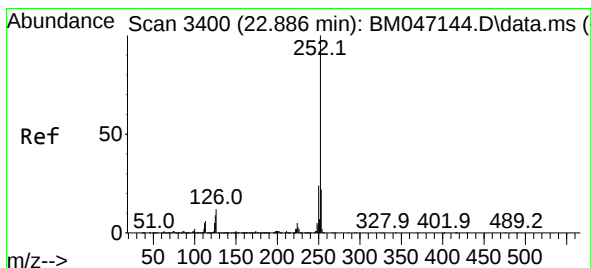
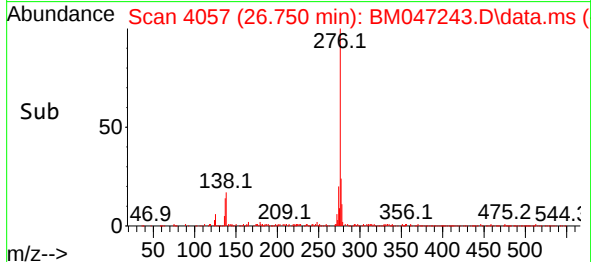
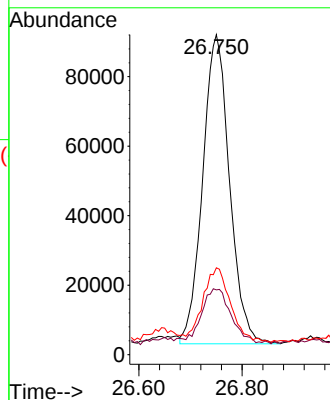
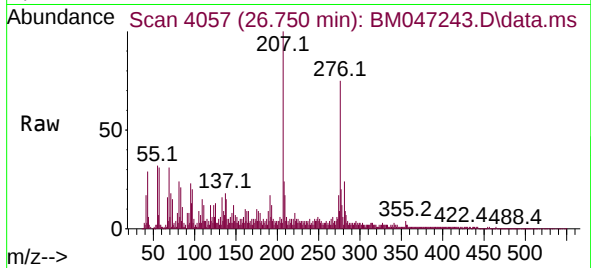
Tgt Ion:276 Resp: 321023

Ion Ratio Lower Upper

276 100

138 19.3 19.4 29.0#

277 24.6 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 8.430 ng

RT: 22.897 min Scan# 3402

Delta R.T. 0.012 min

Lab File: BM047243.D

Acq: 16 Aug 2024 20:32

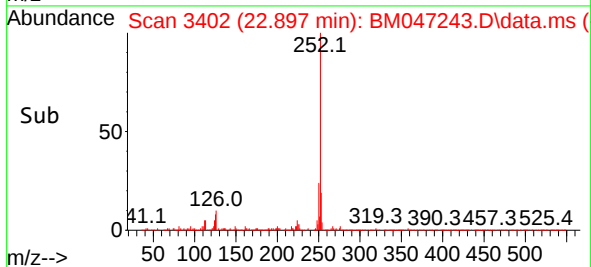
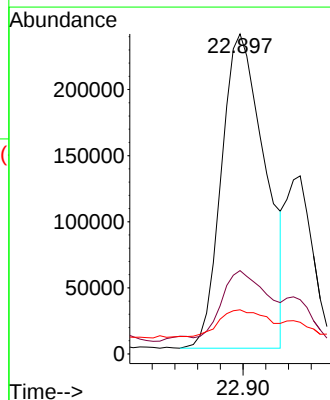
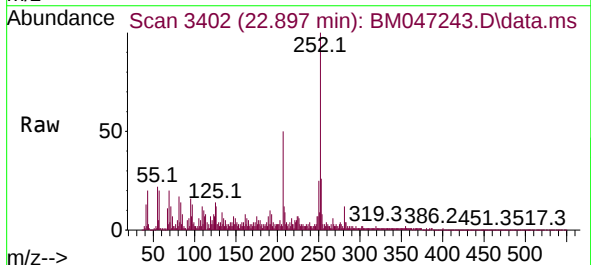
Tgt Ion:252 Resp: 632085

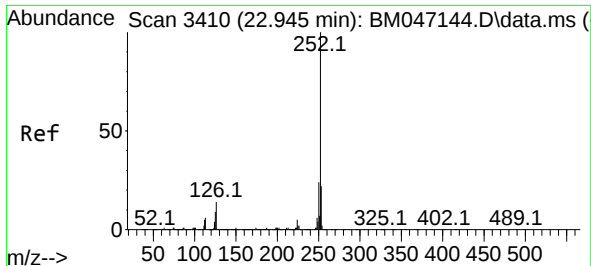
Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.6

125 13.8 7.4 11.0#

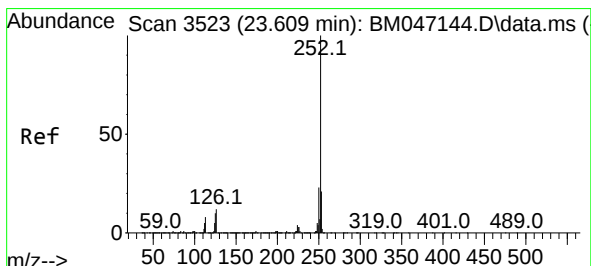
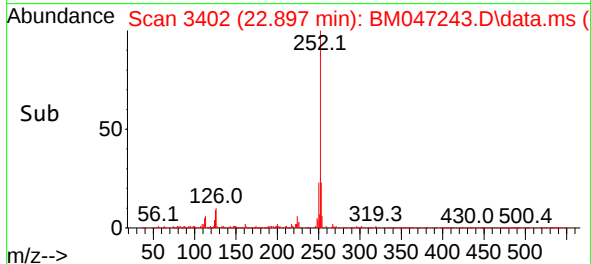
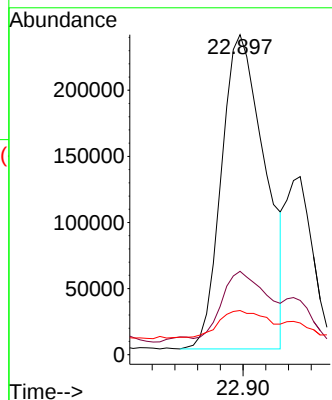
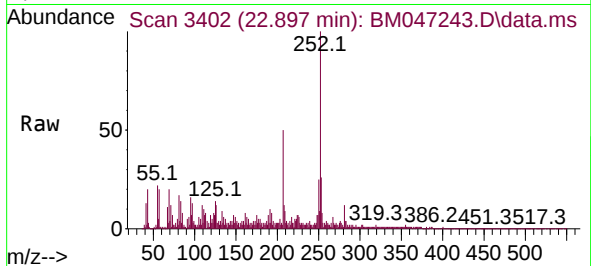




#89  
Benzo(k)fluoranthene  
Concen: 8.925 ng  
RT: 22.897 min Scan# 3410  
Delta R.T. -0.047 min  
Lab File: BM047243.D  
Acq: 16 Aug 2024 20:32

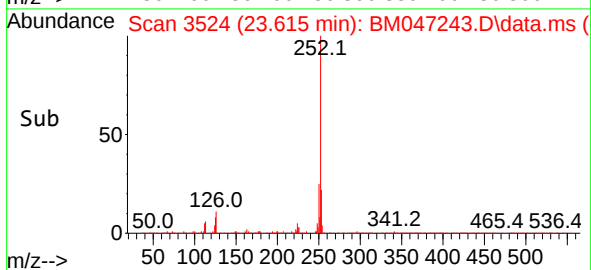
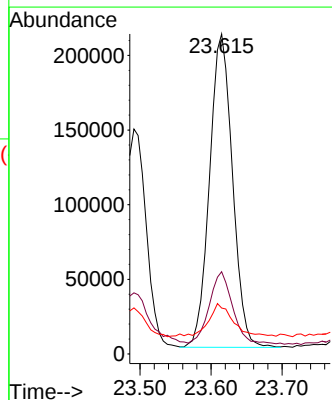
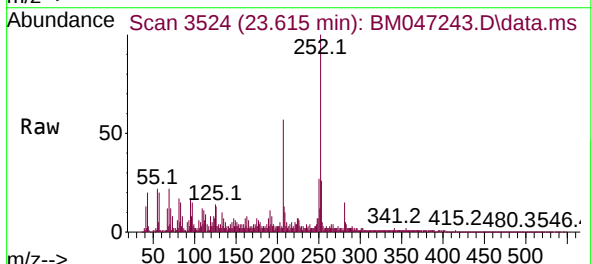
Instrument :  
BNA\_M  
ClientSampleId :  
TR-06-08152024

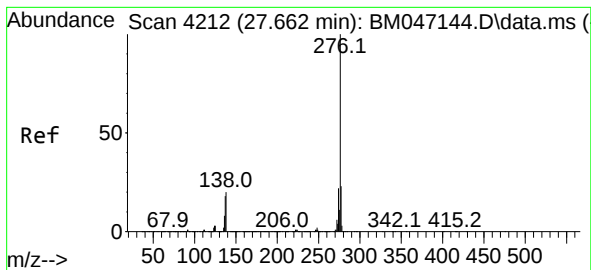
Tgt Ion:252 Resp: 632085  
Ion Ratio Lower Upper  
252 100  
253 26.1 17.7 26.5  
125 13.8 7.4 11.2#



#90  
Benzo(a)pyrene  
Concen: 7.253 ng  
RT: 23.615 min Scan# 3524  
Delta R.T. 0.006 min  
Lab File: BM047243.D  
Acq: 16 Aug 2024 20:32

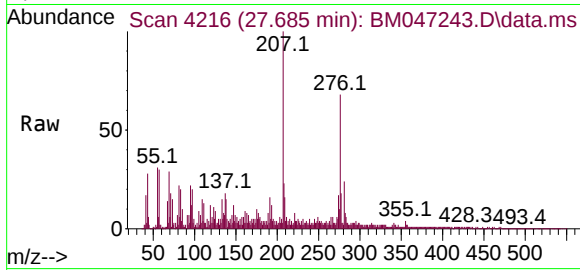
Tgt Ion:252 Resp: 471085  
Ion Ratio Lower Upper  
252 100  
253 25.7 17.1 25.7#  
125 14.3 8.2 12.2#





#92  
 Benzo(g,h,i)perylene  
 Concen: 4.699 ng  
 RT: 27.685 min Scan# 41  
 Delta R.T. 0.023 min  
 Lab File: BM047243.D  
 Acq: 16 Aug 2024 20:32

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TR-06-08152024



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 276   | Resp: | 322182 |
| Ion      | Ratio | Lower | Upper  |
| 276      | 100   |       |        |
| 277      | 26.4  | 18.8  | 28.2   |
| 138      | 21.9  | 16.2  | 24.4   |

