

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082324\  
 Data File : BM047338.D  
 Acq On : 23 Aug 2024 18:07  
 Operator : RC/JU  
 Sample : P3704-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LNG-Soil Pile

Quant Time: Aug 24 00:41:23 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

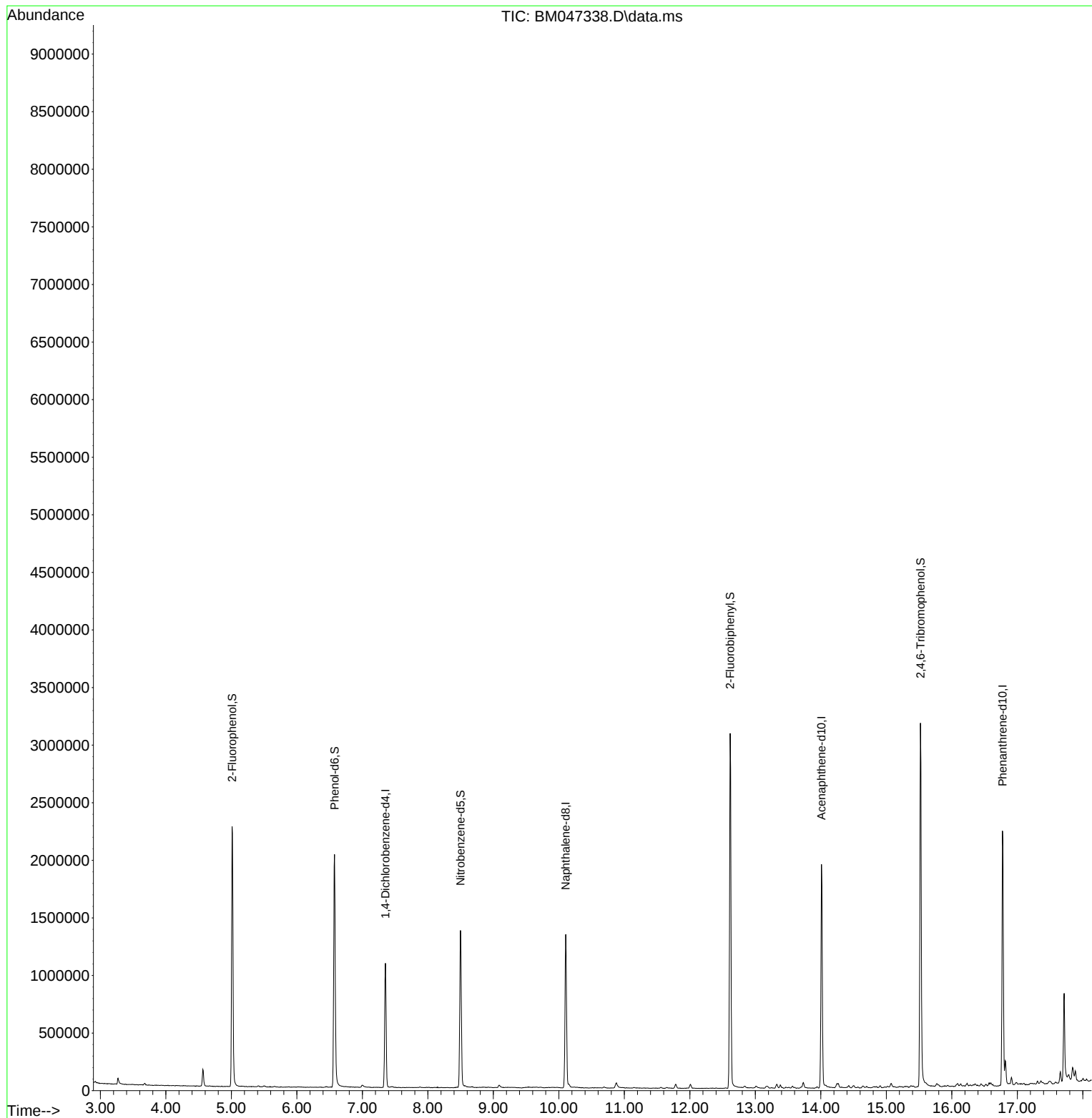
| Compound                    | R.T.   | QIon | Response | Conc      | Units    | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|----------|----------|
| -----                       |        |      |          |           |          |          |
| Internal Standards          |        |      |          |           |          |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.351  | 152  | 301322   | 20.000    | ng       | -0.02    |
| 21) Naphthalene-d8          | 10.104 | 136  | 1096098  | 20.000    | ng       | -0.03    |
| 39) Acenaphthene-d10        | 14.010 | 164  | 698971   | 20.000    | ng       | -0.02    |
| 64) Phenanthrene-d10        | 16.774 | 188  | 1391374  | 20.000    | ng       | -0.02    |
| 76) Chrysene-d12            | 21.015 | 240  | 944443   | 20.000    | ng       | -0.02    |
| 86) Perylene-d12            | 23.709 | 264  | 1003451  | 20.000    | ng       | -0.02    |
|                             |        |      |          |           |          |          |
| System Monitoring Compounds |        |      |          |           |          |          |
| 5) 2-Fluorophenol           | 5.010  | 112  | 1030349  | 61.100    | ng       | -0.01    |
| 7) Phenol-d6                | 6.575  | 99   | 1270919  | 54.695    | ng       | -0.01    |
| 23) Nitrobenzene-d5         | 8.498  | 82   | 819516   | 37.647    | ng       | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.521 | 330  | 637612   | 78.672    | ng       | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.616 | 172  | 1704321  | 37.612    | ng       | -0.03    |
| 79) Terphenyl-d14           | 19.445 | 244  | 3766999  | 85.466    | ng       | -0.02    |
|                             |        |      |          |           |          |          |
| Target Compounds            |        |      |          |           |          |          |
| 9) Benzaldehyde             | 6.510  | 77   | 673      | Below Cal | Qvalue # | 47       |
| 78) Pyrene                  | 19.221 | 202  | 178749   | 2.651 ng  |          | 98       |
| -----                       |        |      |          |           |          |          |

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

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
LNG-Soil Pile

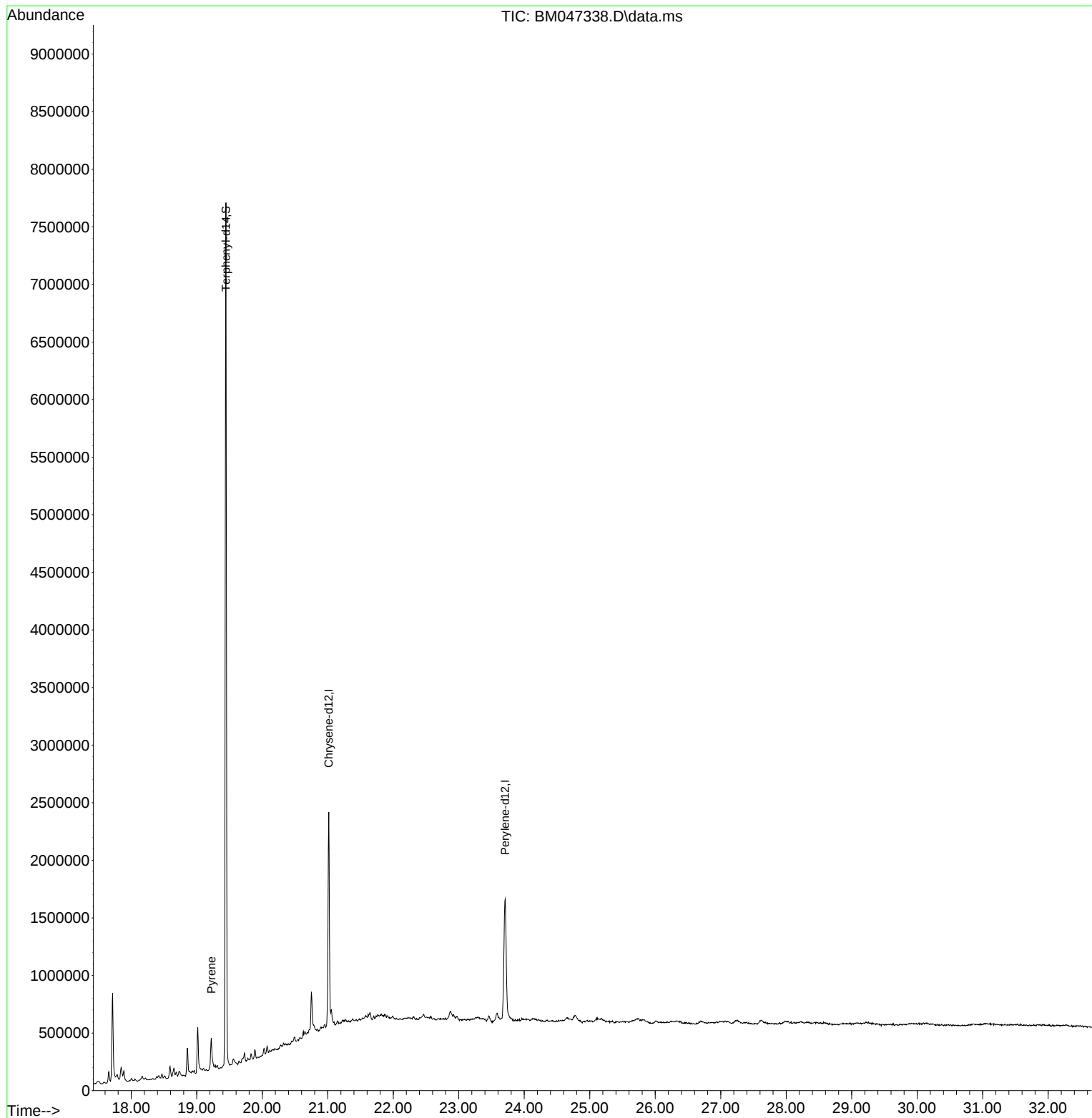
Quant Time: Aug 24 00:41:23 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Aug 11 23:47:58 2024  
Response via : Initial Calibration

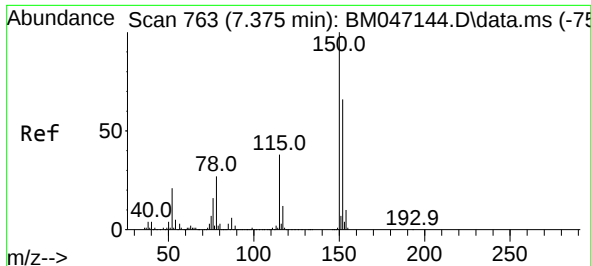


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082324\  
Data File : BM047338.D  
Acq On : 23 Aug 2024 18:07  
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BNA\_M  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Aug 11 23:47:58 2024  
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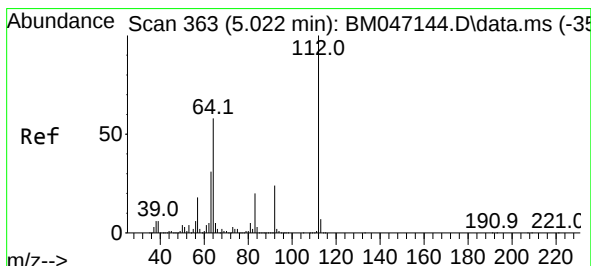
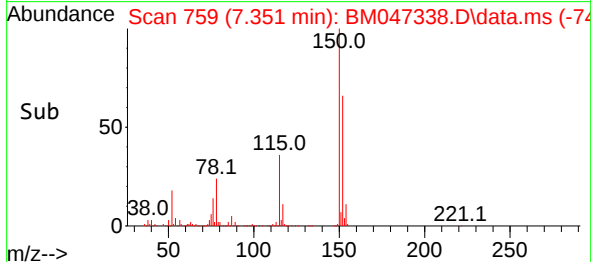
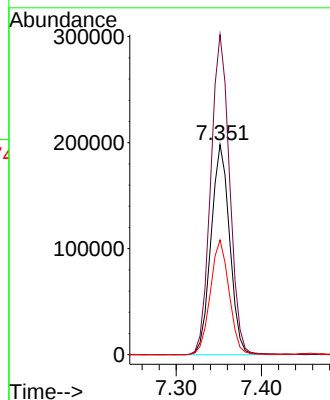
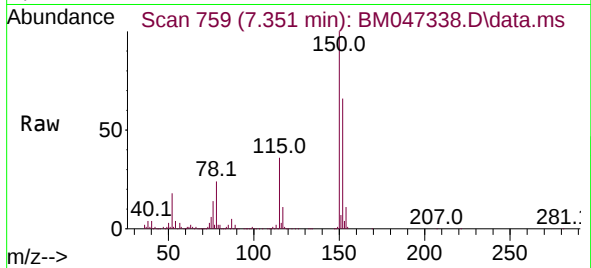




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.351 min Scan# 71  
Delta R.T. -0.024 min  
Lab File: BM047338.D  
Acq: 23 Aug 2024 18:07

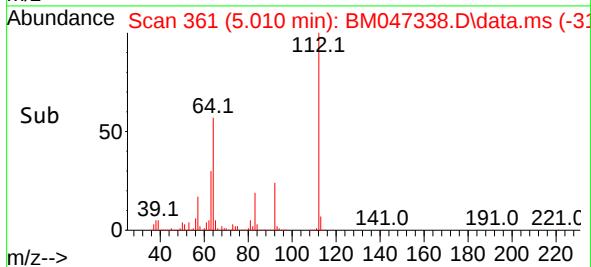
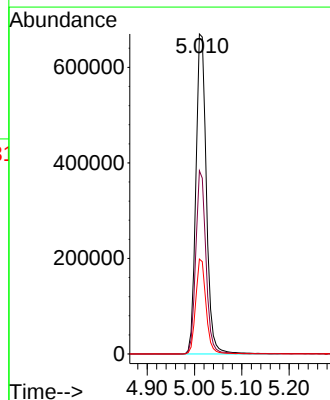
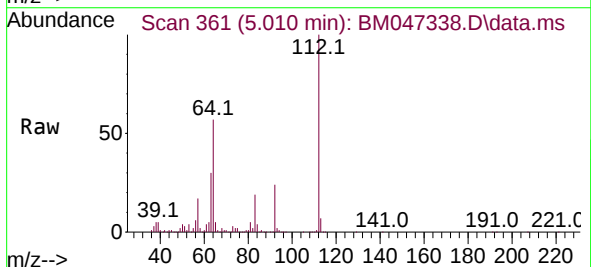
Instrument :  
BNA\_M  
ClientSampleId :  
LNG-Soil Pile

Tgt Ion:152 Resp: 301322  
Ion Ratio Lower Upper  
152 100  
150 152.3 120.5 180.7  
115 54.6 45.5 68.3



#5  
2-Fluorophenol  
Concen: 61.100 ng  
RT: 5.010 min Scan# 361  
Delta R.T. -0.012 min  
Lab File: BM047338.D  
Acq: 23 Aug 2024 18:07

Tgt Ion:112 Resp: 1030349  
Ion Ratio Lower Upper  
112 100  
64 57.3 46.7 70.1  
63 29.6 24.8 37.2

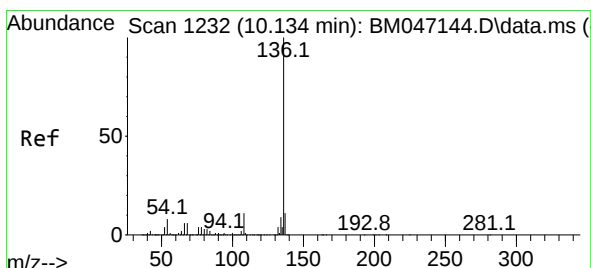
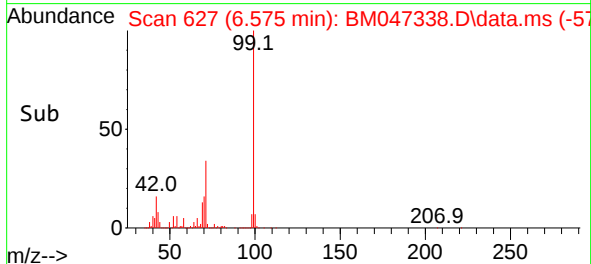
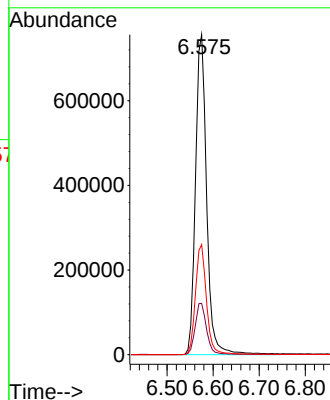
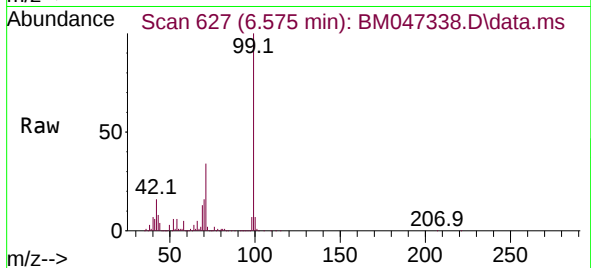




#7  
Phenol-d6  
Concen: 54.695 ng  
RT: 6.575 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BM047338.D  
Acq: 23 Aug 2024 18:07

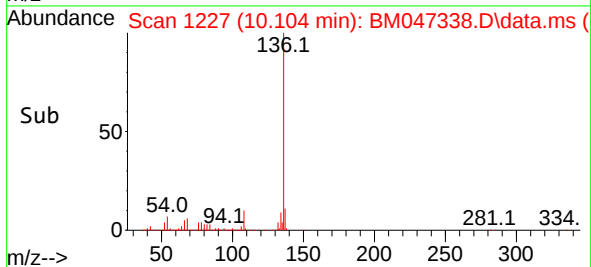
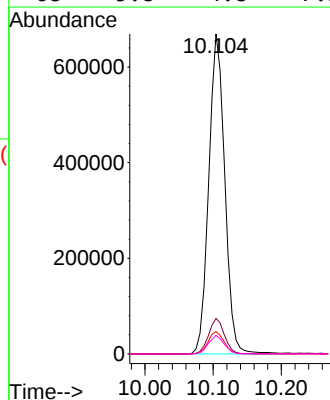
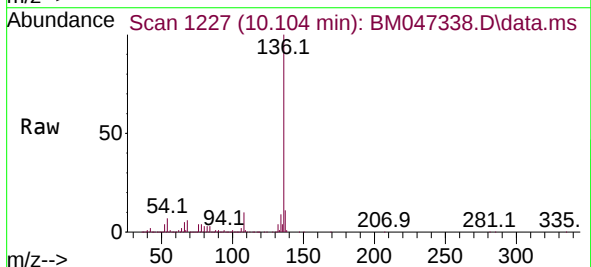
Instrument :  
BNA\_M  
ClientSampleId :  
LNG-Soil Pile

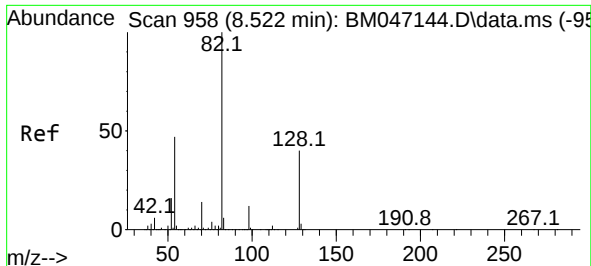
Tgt Ion: 99 Resp: 1270919  
Ion Ratio Lower Upper  
99 100  
42 16.0 14.1 21.1  
71 34.4 28.5 42.7



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.104 min Scan# 1227  
Delta R.T. -0.030 min  
Lab File: BM047338.D  
Acq: 23 Aug 2024 18:07

Tgt Ion:136 Resp: 1096098  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 7.0 6.0 9.0  
68 5.8 4.8 7.2

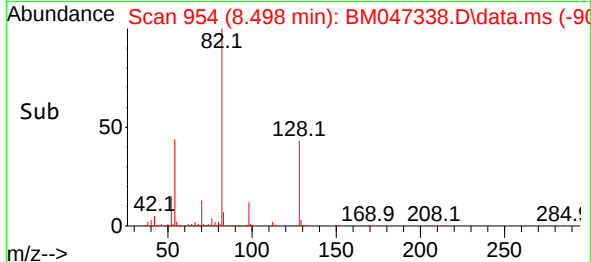
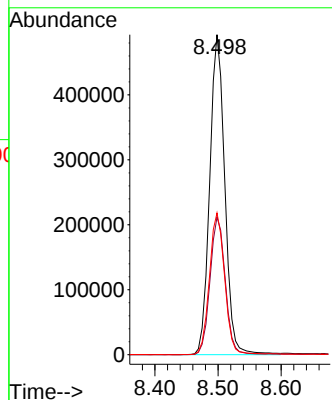
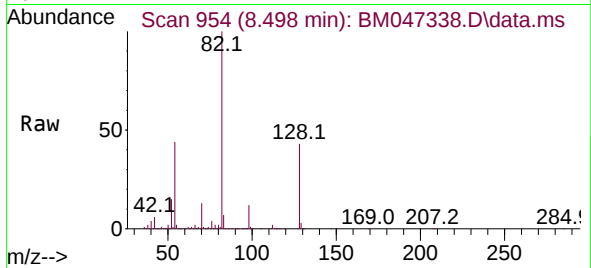




#23  
Nitrobenzene-d5  
Concen: 37.647 ng  
RT: 8.498 min Scan# 91  
Delta R.T. -0.024 min  
Lab File: BM047338.D  
Acq: 23 Aug 2024 18:07

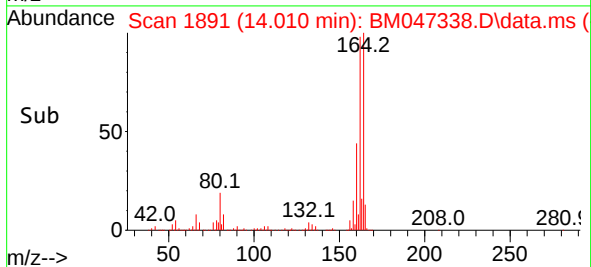
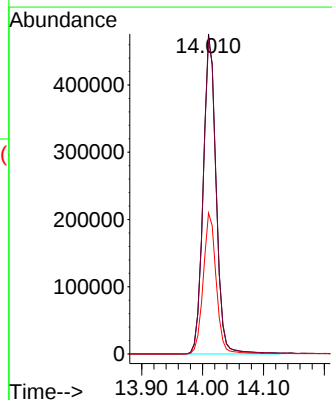
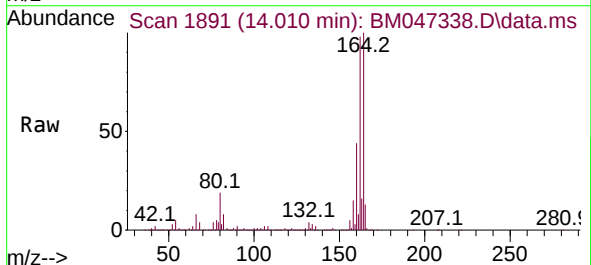
Instrument :  
BNA\_M  
ClientSampleId :  
LNG-Soil Pile

Tgt Ion: 82 Resp: 819516  
Ion Ratio Lower Upper  
82 100  
128 43.0 32.3 48.5  
54 44.3 37.4 56.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.010 min Scan# 1891  
Delta R.T. -0.024 min  
Lab File: BM047338.D  
Acq: 23 Aug 2024 18:07

Tgt Ion: 164 Resp: 698971  
Ion Ratio Lower Upper  
164 100  
162 98.0 80.7 121.1  
160 44.0 36.0 54.0

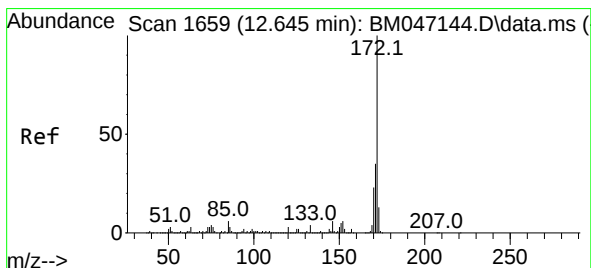
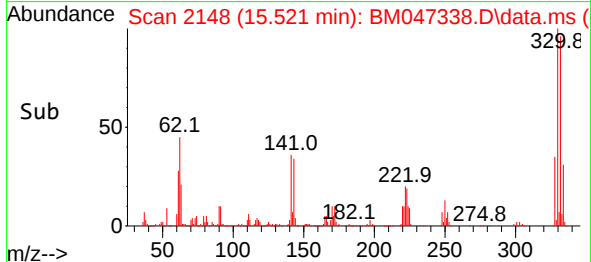
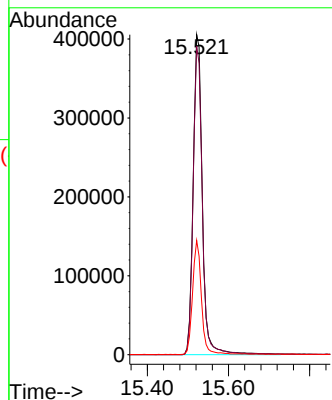
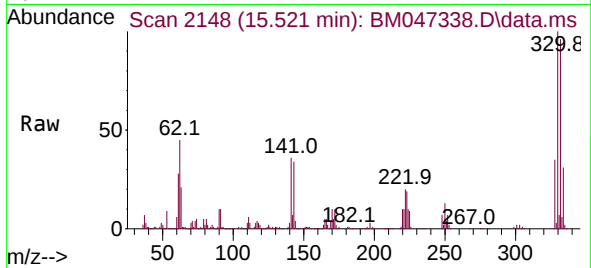




#42  
2,4,6-Tribromophenol  
Concen: 78.672 ng  
RT: 15.521 min Scan# 2151  
Delta R.T. -0.018 min  
Lab File: BM047338.D  
Acq: 23 Aug 2024 18:07

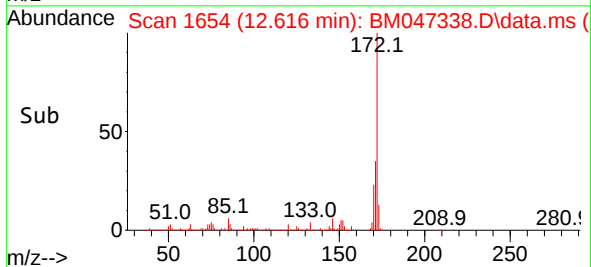
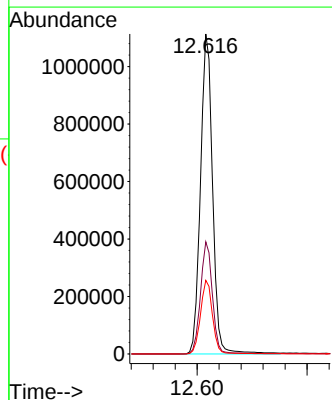
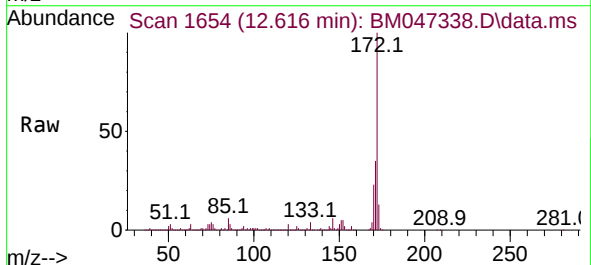
Instrument :  
BNA\_M  
ClientSampleId :  
LNG-Soil Pile

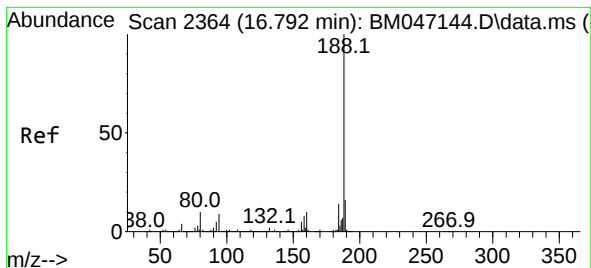
Tgt Ion:330 Resp: 637612  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.4 116.2  
141 34.5 31.6 47.4



#45  
2-Fluorobiphenyl  
Concen: 37.612 ng  
RT: 12.616 min Scan# 1654  
Delta R.T. -0.029 min  
Lab File: BM047338.D  
Acq: 23 Aug 2024 18:07

Tgt Ion:172 Resp: 1704321  
Ion Ratio Lower Upper  
172 100  
171 35.1 27.8 41.6  
170 23.0 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047338.D

Acq: 23 Aug 2024 18:07

Instrument :

BNA\_M

ClientSampleId :

LNG-Soil Pile

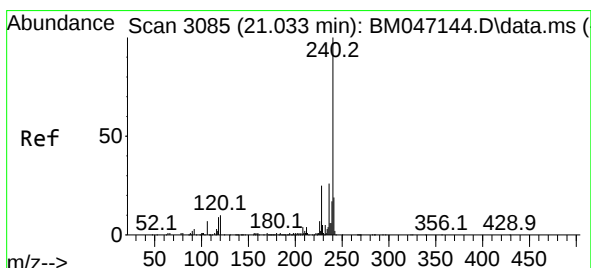
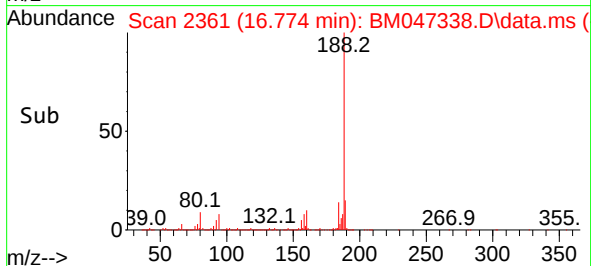
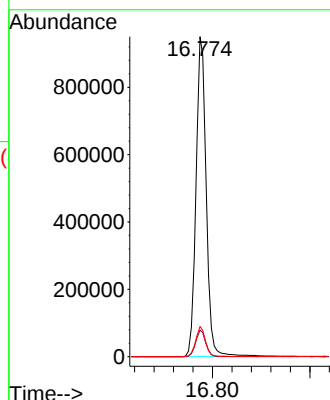
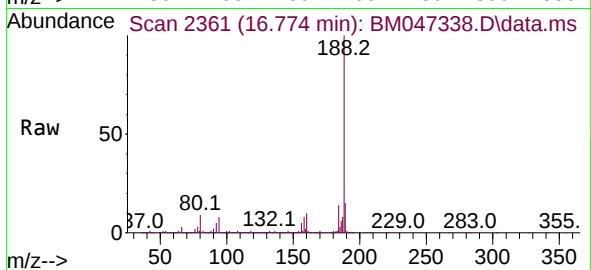
Tgt Ion:188 Resp: 1391374

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

80 9.4 8.0 12.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3082

Delta R.T. -0.018 min

Lab File: BM047338.D

Acq: 23 Aug 2024 18:07

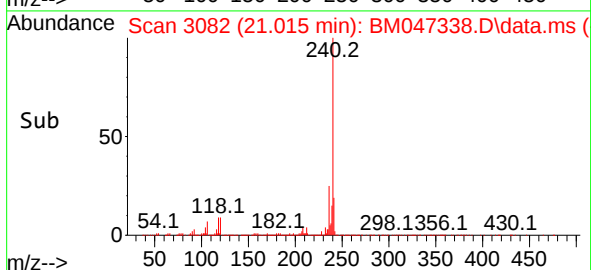
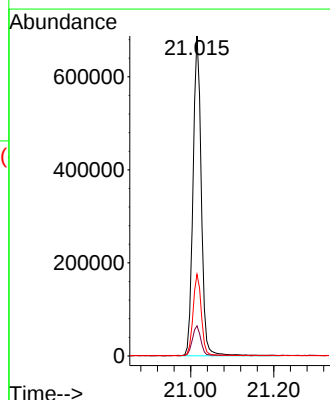
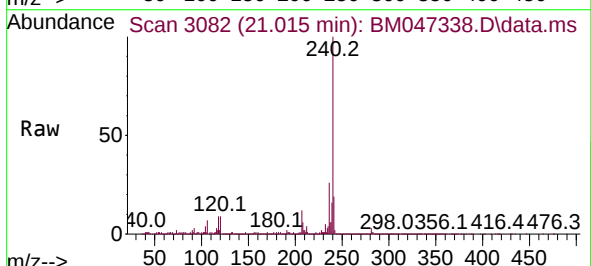
Tgt Ion:240 Resp: 944443

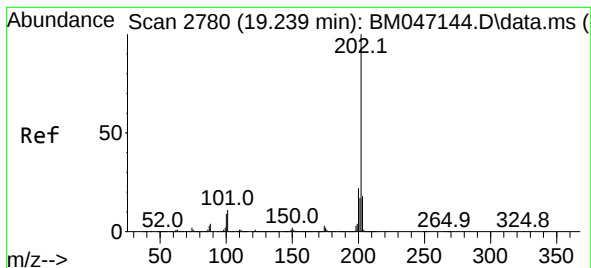
Ion Ratio Lower Upper

240 100

120 9.4 8.2 12.2

236 25.5 20.6 30.8





#78

Pyrene

Concen: 2.651 ng

RT: 19.221 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM047338.D

Acq: 23 Aug 2024 18:07

Instrument :

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ClientSampleId :

LNG-Soil Pile

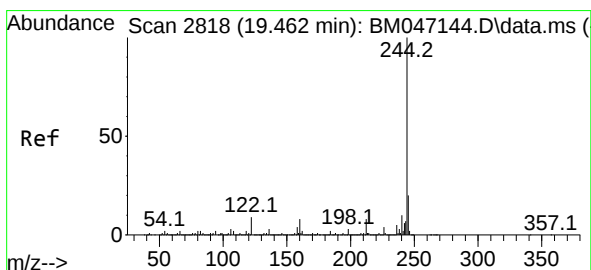
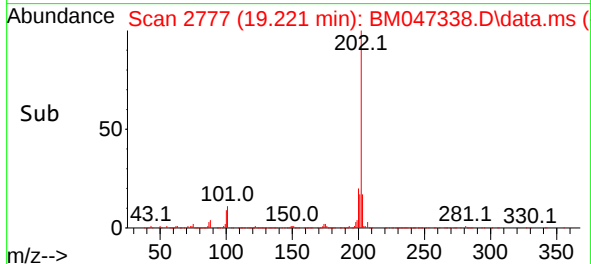
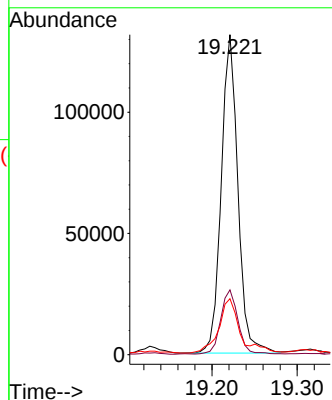
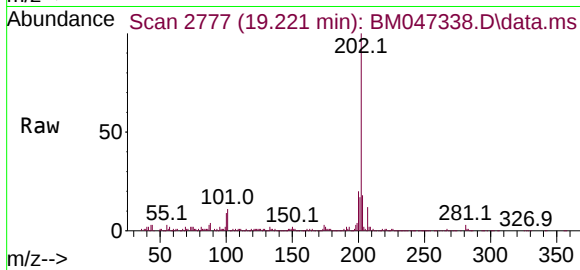
Tgt Ion:202 Resp: 178749

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

203 17.5 14.2 21.2



#79

Terphenyl-d14

Concen: 85.466 ng

RT: 19.445 min Scan# 2815

Delta R.T. -0.018 min

Lab File: BM047338.D

Acq: 23 Aug 2024 18:07

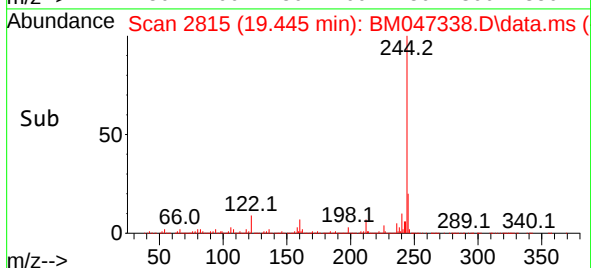
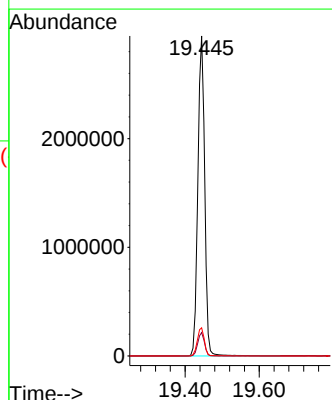
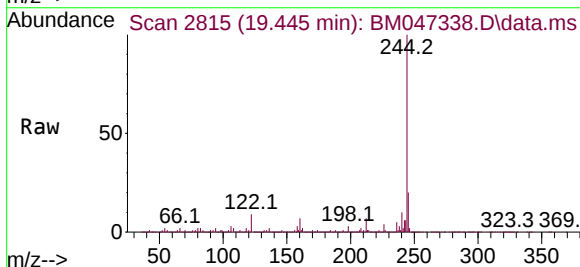
Tgt Ion:244 Resp: 3766999

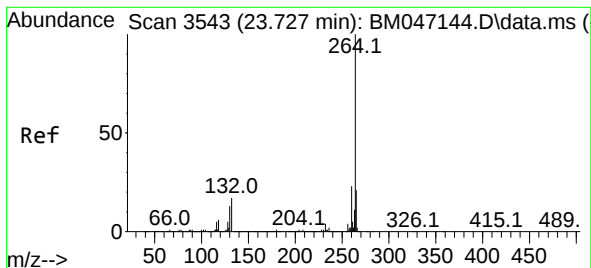
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.4

122 8.8 7.1 10.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.709 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM047338.D

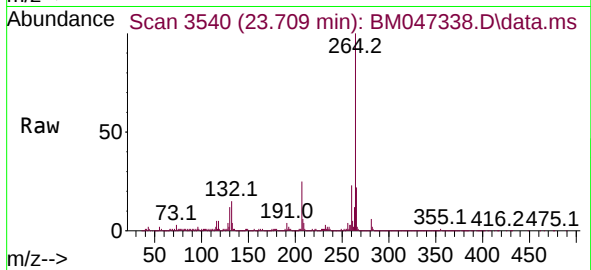
Acq: 23 Aug 2024 18:07

Instrument :

BNA\_M

ClientSampleId :

LNG-Soil Pile



Tgt Ion:264 Resp: 1003451

Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 22.2 17.3 25.9

