

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060822\  
 Data File : BM035436.D  
 Acq On : 08 Jun 2022 19:01  
 Operator : CG/JU  
 Sample : N3203-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GATE-6-JET-GROUT-SPOILS

Quant Time: Jun 09 00:51:09 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 07 14:28:07 2022  
 Response via : Initial Calibration

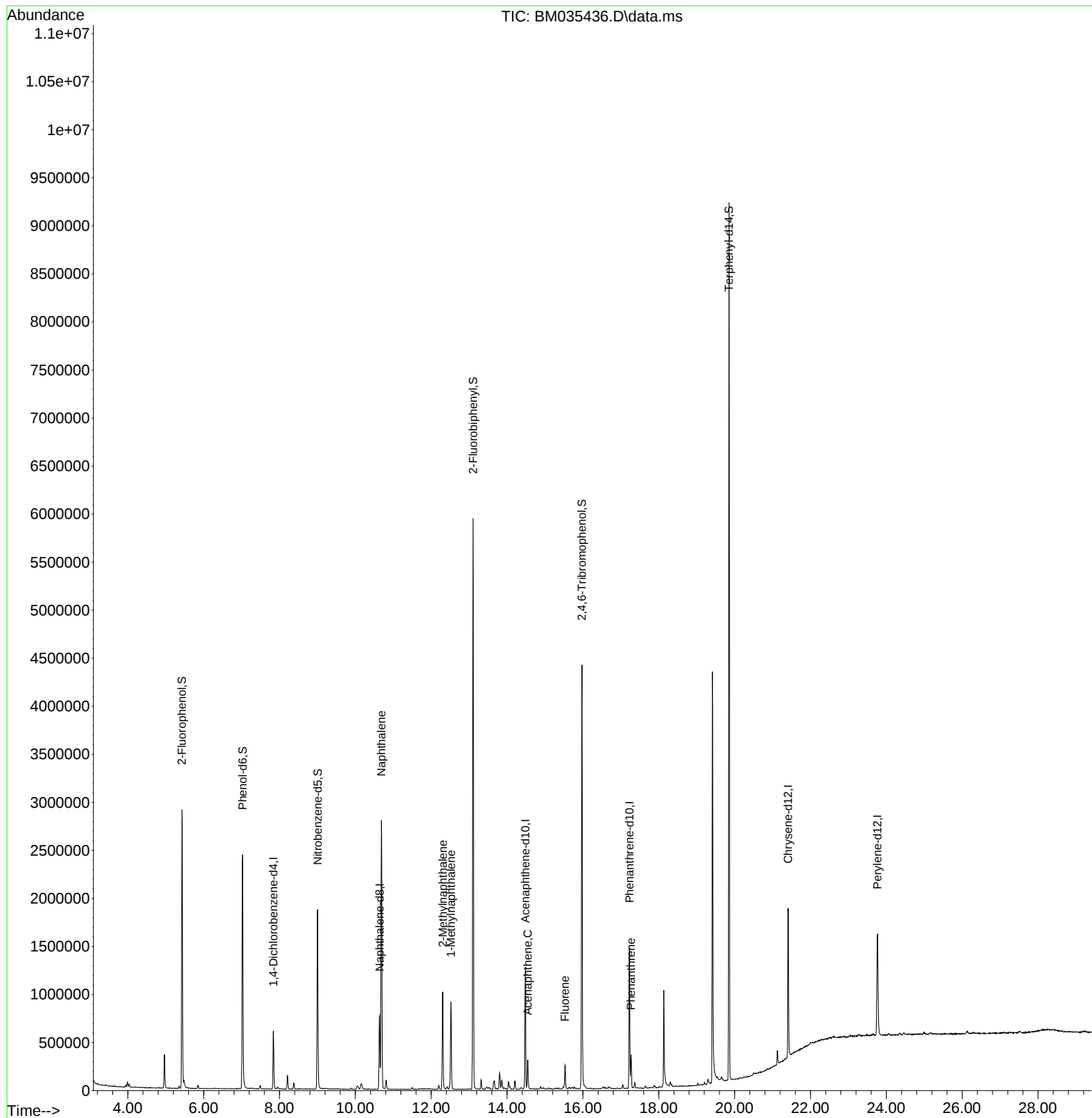
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.839  | 152  | 186883   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.639 | 136  | 693783   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.480 | 164  | 456579   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.227 | 188  | 949722   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.409 | 240  | 861825   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 23.768 | 264  | 908690   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.428  | 112  | 1393553  | 156.692 | ng    | 0.00     |
| 7) Phenol-d6                | 7.028  | 99   | 1587874  | 130.707 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.004  | 82   | 1100646  | 100.733 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.974 | 330  | 1045476  | 142.714 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.104 | 172  | 3278697  | 103.139 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.850 | 244  | 4973825  | 114.979 | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 31) Naphthalene             | 10.686 | 128  | 2442885  | 72.671  | ng    | 100      |
| 37) 2-Methylnaphthalene     | 12.304 | 142  | 505378   | 19.924  | ng    | 96       |
| 38) 1-Methylnaphthalene     | 12.521 | 142  | 460327   | 18.518  | ng    | # 97     |
| 52) Acenaphthene            | 14.545 | 154  | 114653   | 4.897   | ng    | 98       |
| 58) Fluorene                | 15.527 | 166  | 114032   | 3.629   | ng    | 98       |
| 71) Phenanthrene            | 17.268 | 178  | 224958   | 4.680   | ng    | 98       |
| -----                       |        |      |          |         |       |          |

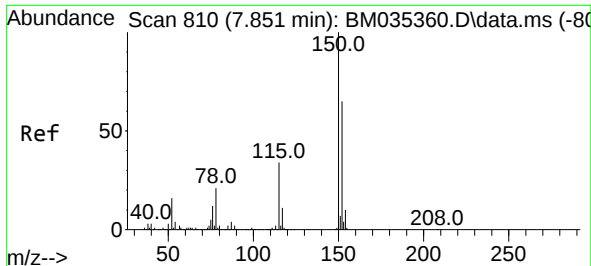
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060822\  
Data File : BM035436.D  
Acq On : 08 Jun 2022 19:01  
Operator : CG/JU  
Sample : N3203-02  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GATE-6-JET-GROUT-SPOILS

Quant Time: Jun 09 00:51:09 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 07 14:28:07 2022  
Response via : Initial Calibration

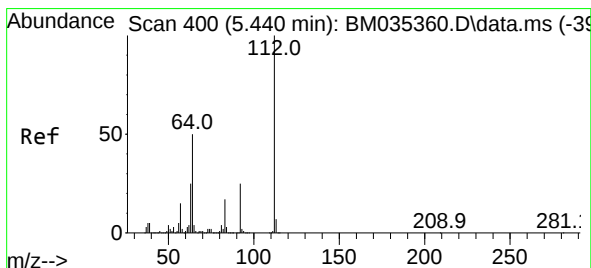
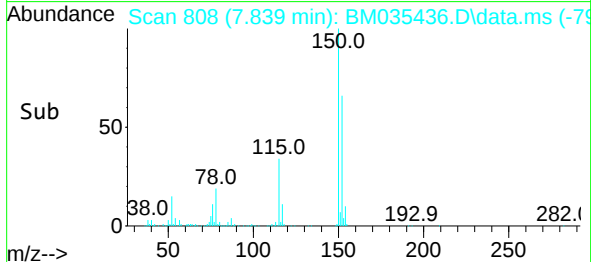
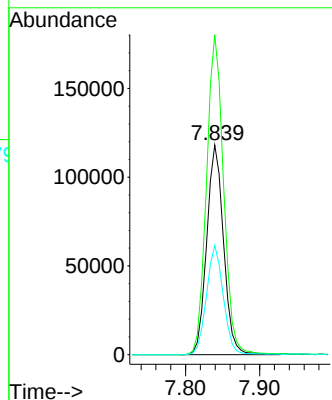
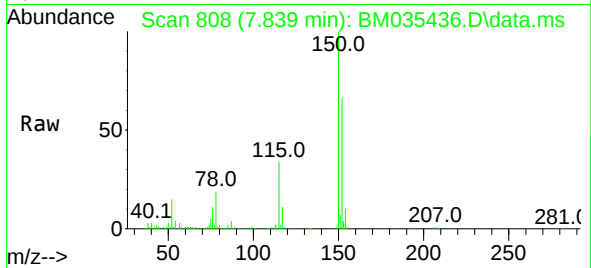




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.839 min Scan# 80  
Delta R.T. -0.001 min  
Lab File: BM035436.D  
Acq: 08 Jun 2022 19:01

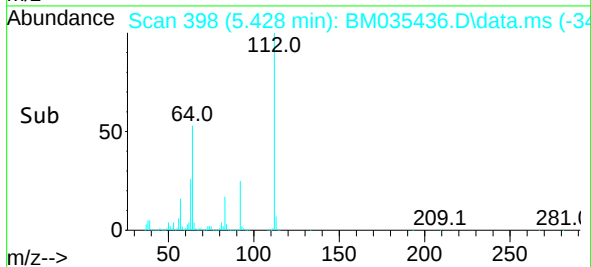
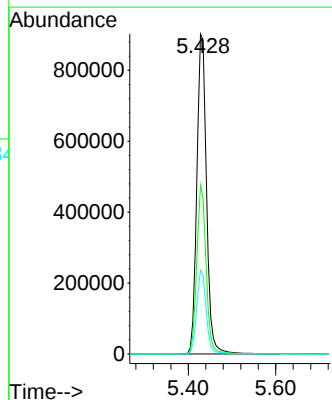
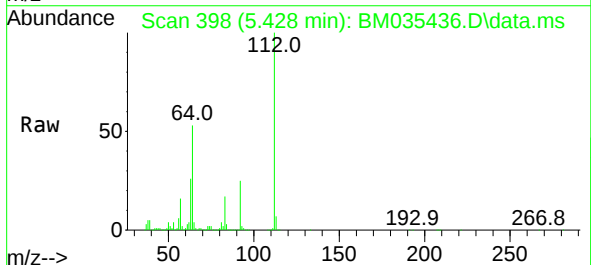
Instrument :  
BNA\_M  
ClientSampleId :  
GATE-6-JET-GROUT-SPOILS

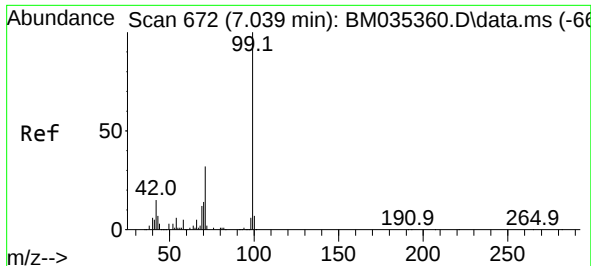
Tgt Ion:152 Resp: 186883  
Ion Ratio Lower Upper  
152 100  
150 152.6 124.9 187.3  
115 52.1 47.9 71.9



#5  
2-Fluorophenol  
Concen: 156.692 ng  
RT: 5.428 min Scan# 398  
Delta R.T. -0.000 min  
Lab File: BM035436.D  
Acq: 08 Jun 2022 19:01

Tgt Ion:112 Resp: 1393553  
Ion Ratio Lower Upper  
112 100  
64 52.7 47.8 71.6  
63 26.2 26.6 40.0#

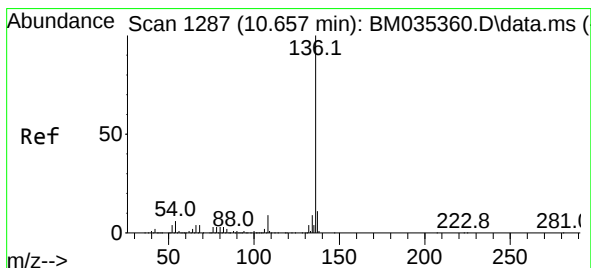
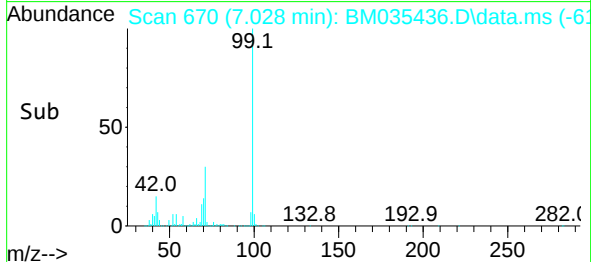
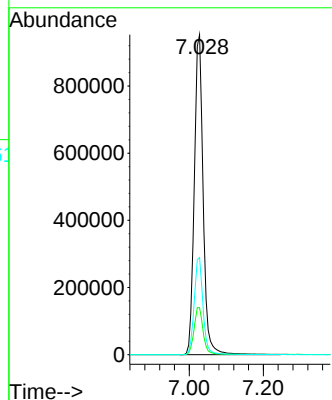
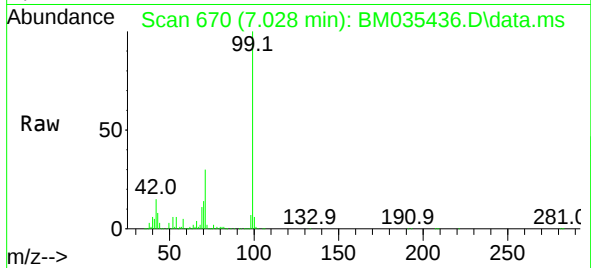




#7  
Phenol-d6  
Concen: 130.707 ng  
RT: 7.028 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BM035436.D  
Acq: 08 Jun 2022 19:01

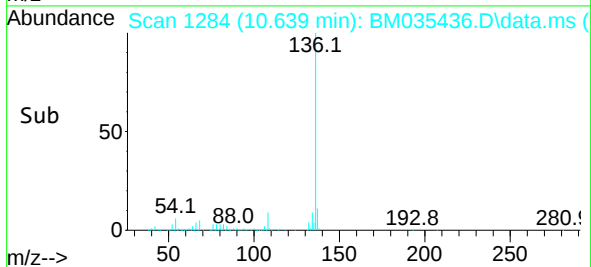
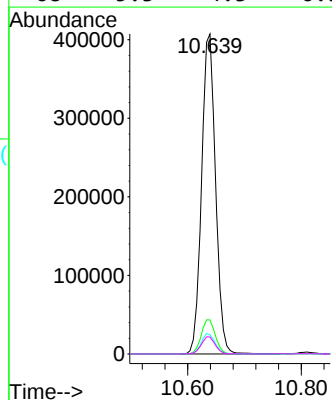
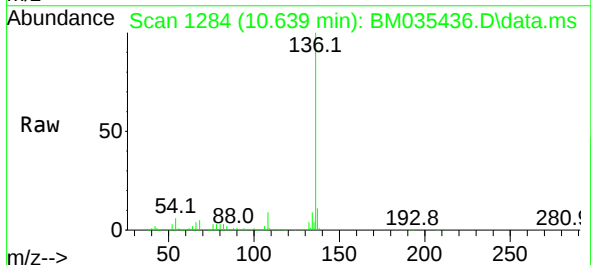
Instrument :  
BNA\_M  
ClientSampleId :  
GATE-6-JET-GROUT-SPOILS

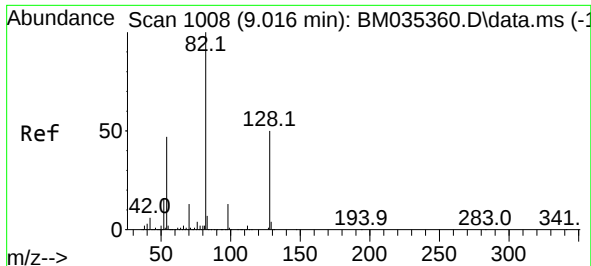
Tgt Ion: 99 Resp: 1587874  
Ion Ratio Lower Upper  
99 100  
42 14.7 18.8 28.2#  
71 30.3 30.2 45.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.639 min Scan# 1284  
Delta R.T. -0.000 min  
Lab File: BM035436.D  
Acq: 08 Jun 2022 19:01

Tgt Ion: 136 Resp: 693783  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.9 13.3  
54 6.0 7.0 10.4#  
68 5.3 4.3 6.5

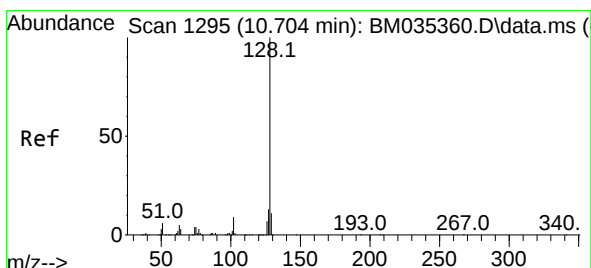
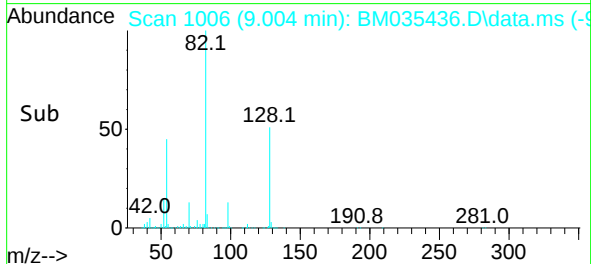
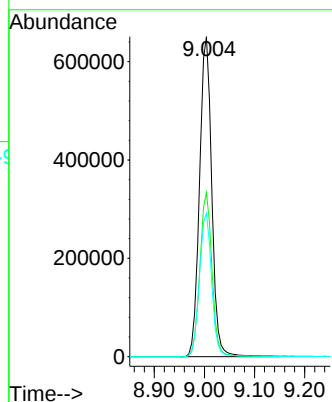
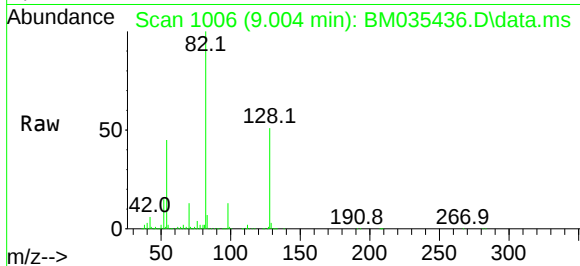




#23  
Nitrobenzene-d5  
Concen: 100.733 ng  
RT: 9.004 min Scan# 1006  
Delta R.T. -0.000 min  
Lab File: BM035436.D  
Acq: 08 Jun 2022 19:01

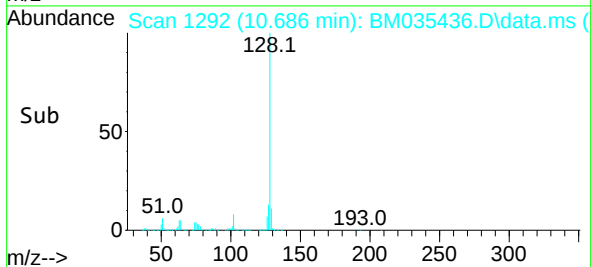
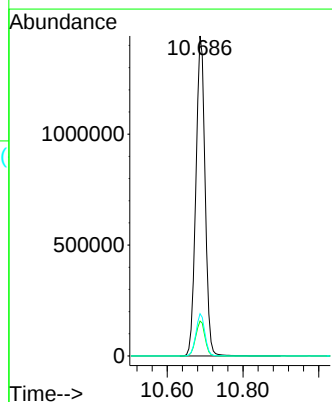
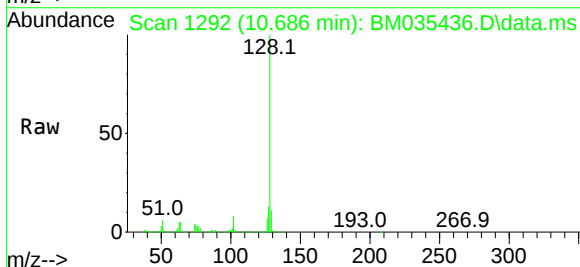
Instrument :  
BNA\_M  
ClientSampleId :  
GATE-6-JET-GROUT-SPOILS

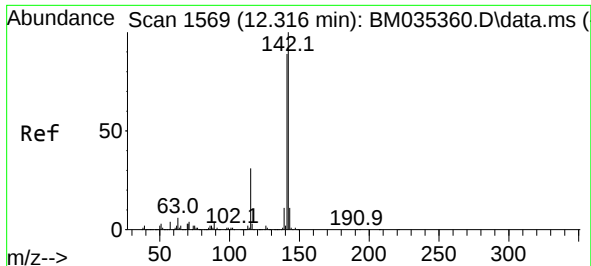
Tgt Ion: 82 Resp: 1100646  
Ion Ratio Lower Upper  
82 100  
128 51.3 33.7 50.5#  
54 44.8 43.2 64.8



#31  
Naphthalene  
Concen: 72.671 ng  
RT: 10.686 min Scan# 1292  
Delta R.T. -0.006 min  
Lab File: BM035436.D  
Acq: 08 Jun 2022 19:01

Tgt Ion:128 Resp: 2442885  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.7 13.1  
127 13.2 10.6 16.0





#37

2-Methylnaphthalene

Concen: 19.924 ng

RT: 12.304 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM035436.D

Acq: 08 Jun 2022 19:01

Instrument :

BNA\_M

ClientSampleId :

GATE-6-JET-GROUT-SPOILS

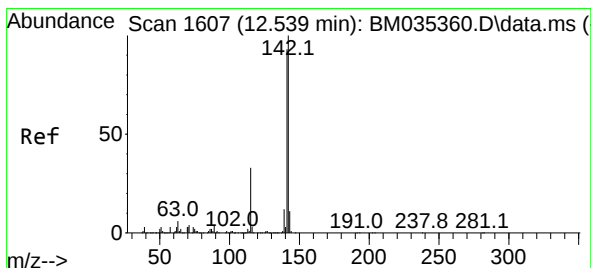
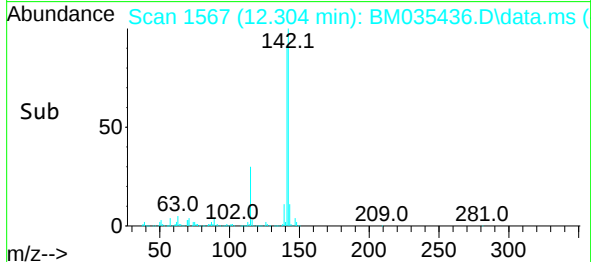
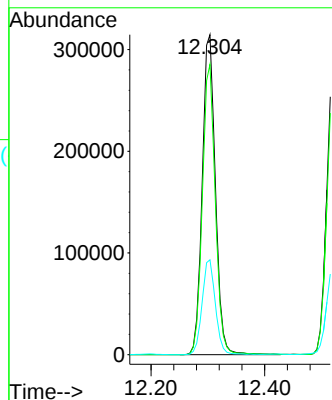
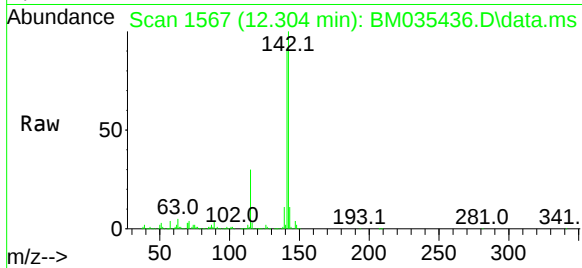
Tgt Ion:142 Resp: 505378

Ion Ratio Lower Upper

142 100

141 90.7 72.4 108.6

115 29.7 29.6 44.4



#38

1-Methylnaphthalene

Concen: 18.518 ng

RT: 12.521 min Scan# 1604

Delta R.T. -0.000 min

Lab File: BM035436.D

Acq: 08 Jun 2022 19:01

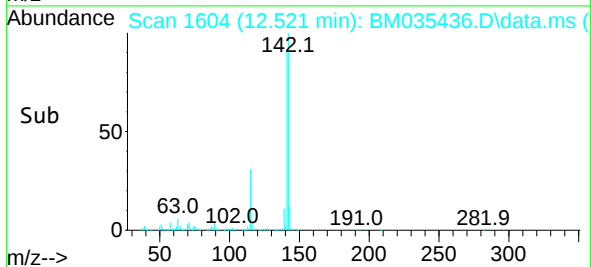
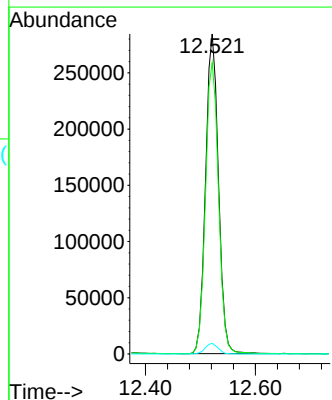
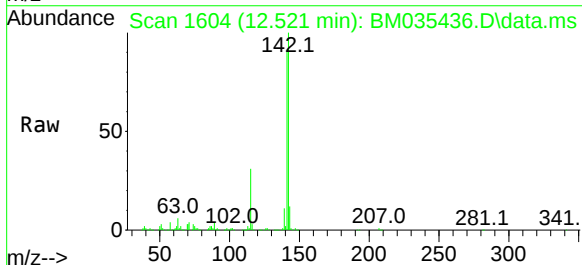
Tgt Ion:142 Resp: 460327

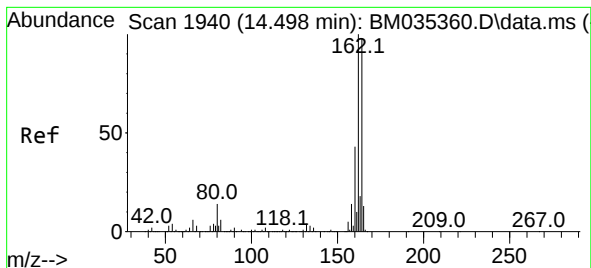
Ion Ratio Lower Upper

142 100

141 91.0 75.0 112.4

116 3.3 3.4 5.2#

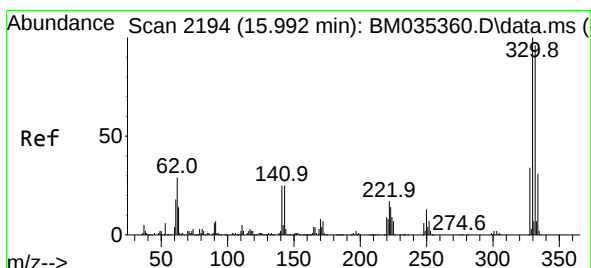
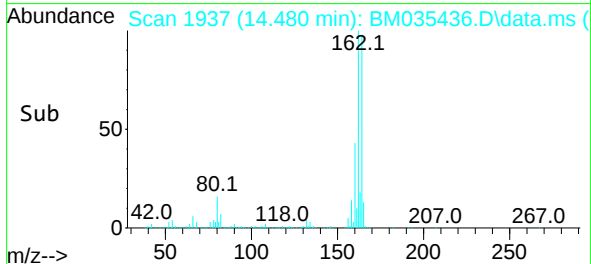
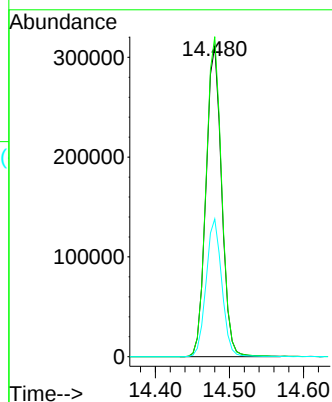
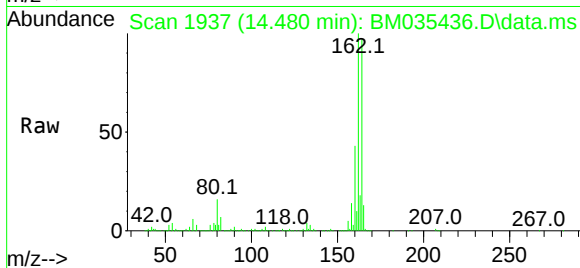




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.480 min Scan# 1940  
Delta R.T. -0.006 min  
Lab File: BM035436.D  
Acq: 08 Jun 2022 19:01

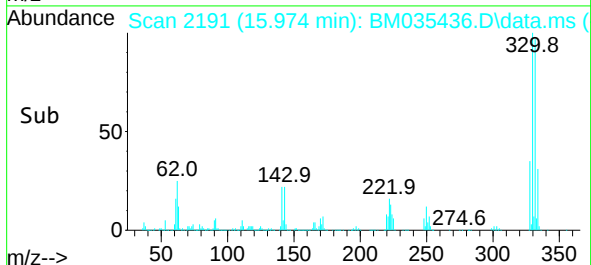
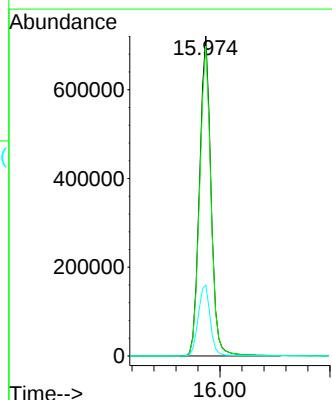
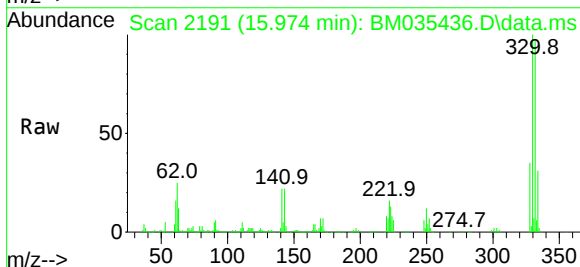
Instrument :  
BNA\_M  
ClientSampleId :  
GATE-6-JET-GROUT-SPOILS

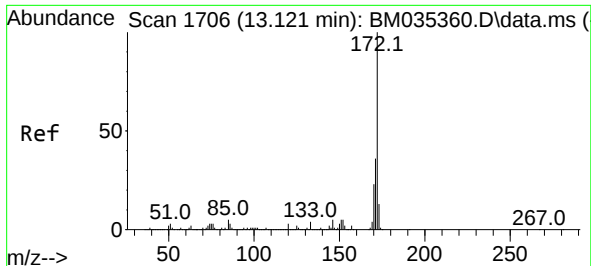
Tgt Ion:164 Resp: 456579  
Ion Ratio Lower Upper  
164 100  
162 103.0 83.0 124.6  
160 44.4 37.0 55.4



#42  
2,4,6-Tribromophenol  
Concen: 142.714 ng  
RT: 15.974 min Scan# 2191  
Delta R.T. -0.006 min  
Lab File: BM035436.D  
Acq: 08 Jun 2022 19:01

Tgt Ion:330 Resp: 1045476  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.0 115.4  
141 23.4 35.3 52.9#

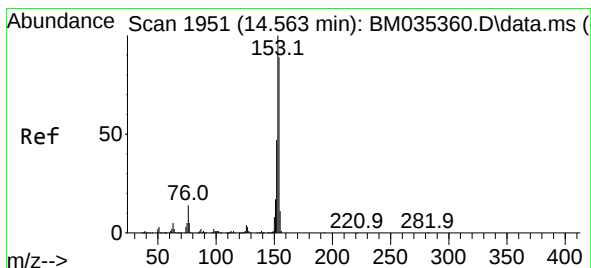
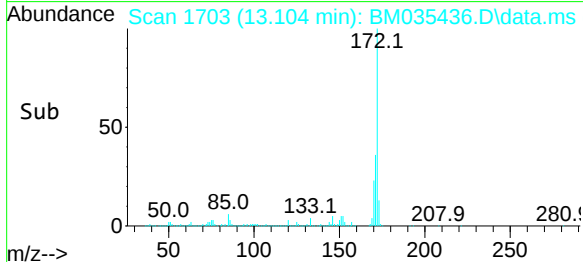
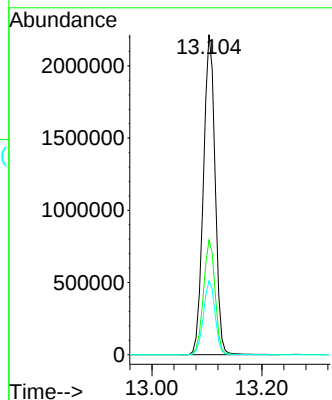
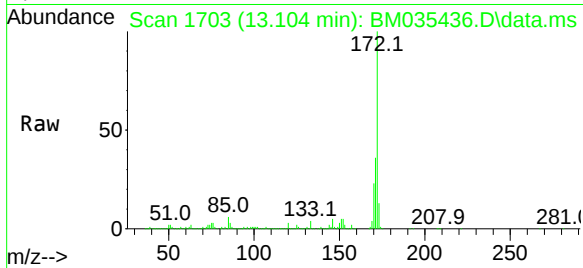




#45  
2-Fluorobiphenyl  
Concen: 103.139 ng  
RT: 13.104 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM035436.D  
Acq: 08 Jun 2022 19:01

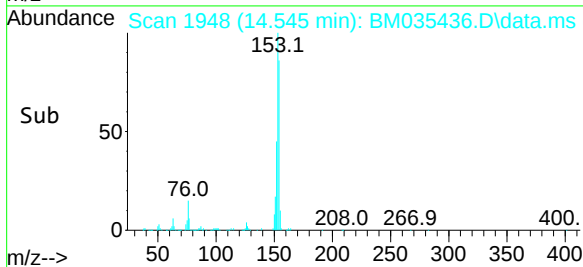
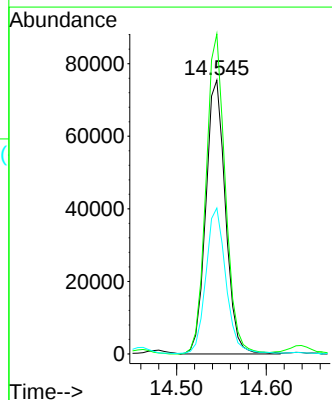
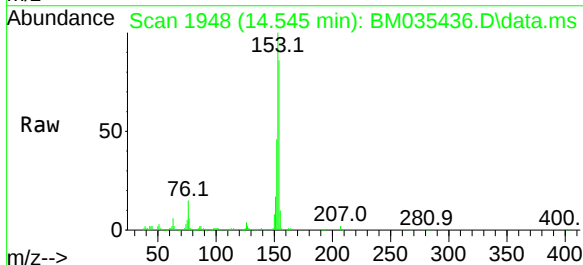
Instrument :  
BNA\_M  
ClientSampleId :  
GATE-6-JET-GROUT-SPOILS

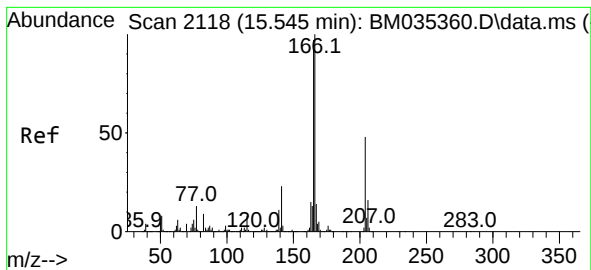
Tgt Ion:172 Resp: 3278697  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.5 42.7  
170 23.1 18.7 28.1



#52  
Acenaphthene  
Concen: 4.897 ng  
RT: 14.545 min Scan# 1948  
Delta R.T. -0.006 min  
Lab File: BM035436.D  
Acq: 08 Jun 2022 19:01

Tgt Ion:154 Resp: 114653  
Ion Ratio Lower Upper  
154 100  
153 116.9 91.0 136.6  
152 53.3 43.4 65.2





#58

Fluorene

Concen: 3.629 ng

RT: 15.527 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BM035436.D

Acq: 08 Jun 2022 19:01

Instrument :

BNA\_M

ClientSampleId :

GATE-6-JET-GROUT-SPOILS

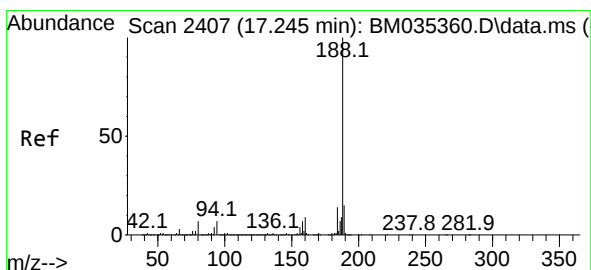
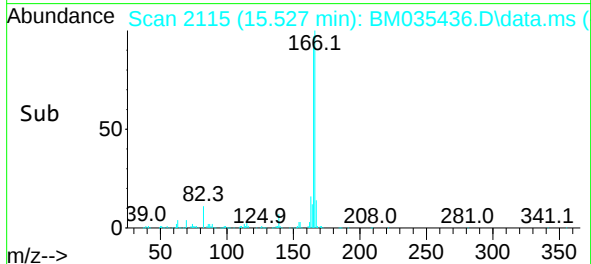
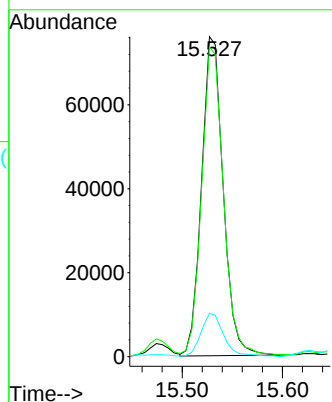
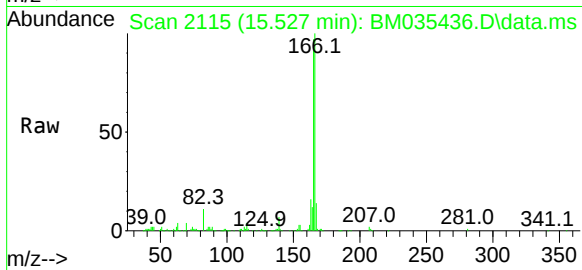
Tgt Ion:166 Resp: 114032

Ion Ratio Lower Upper

166 100

165 96.8 79.4 119.2

167 13.6 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.227 min Scan# 2404

Delta R.T. -0.000 min

Lab File: BM035436.D

Acq: 08 Jun 2022 19:01

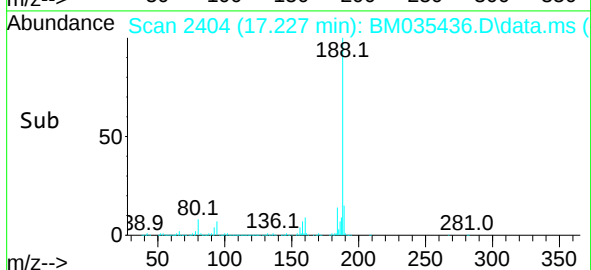
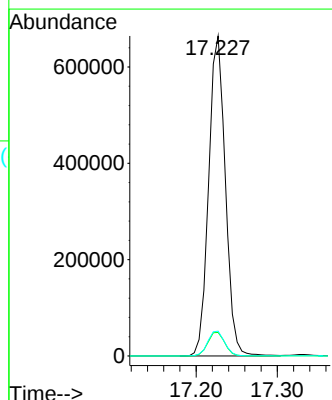
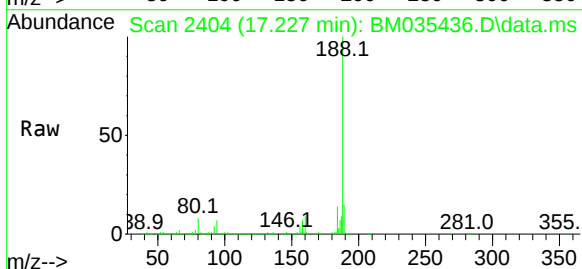
Tgt Ion:188 Resp: 949722

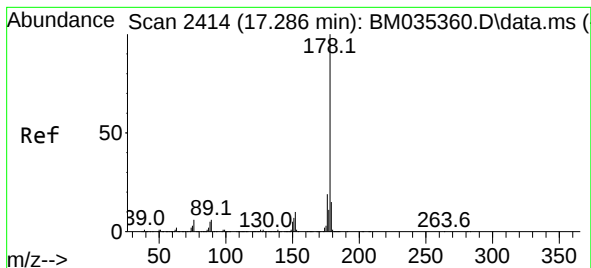
Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.4

80 7.8 7.6 11.4





#71

Phenanthrene

Concen: 4.680 ng

RT: 17.268 min Scan# 2411

Delta R.T. -0.006 min

Lab File: BM035436.D

Acq: 08 Jun 2022 19:01

Instrument :

BNA\_M

ClientSampleId :

GATE-6-JET-GROUT-SPOILS

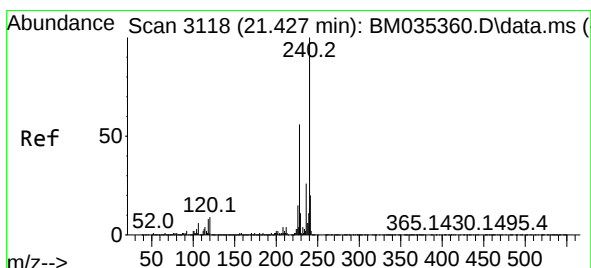
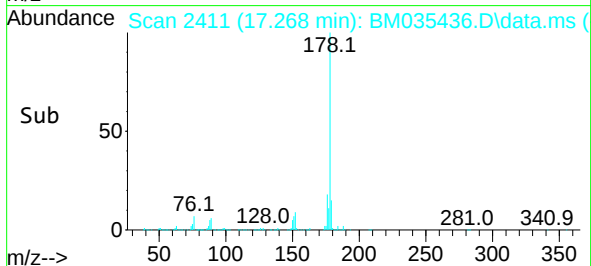
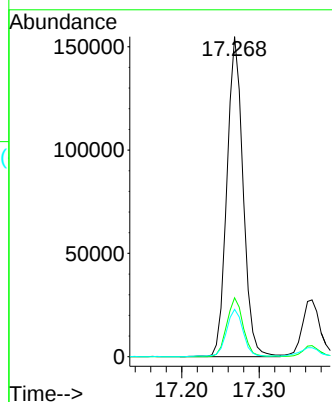
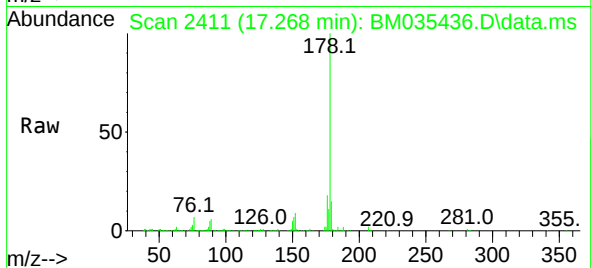
Tgt Ion:178 Resp: 224958

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

179 14.8 12.4 18.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.409 min Scan# 3115

Delta R.T. -0.012 min

Lab File: BM035436.D

Acq: 08 Jun 2022 19:01

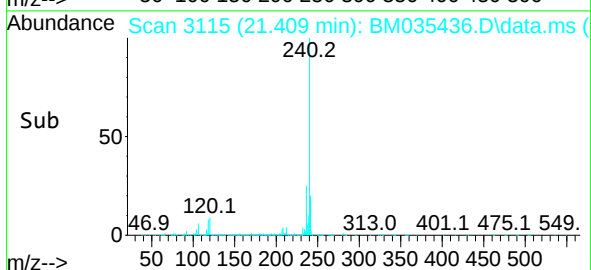
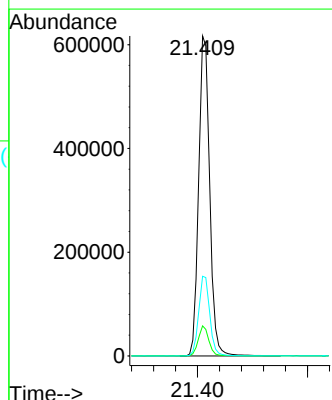
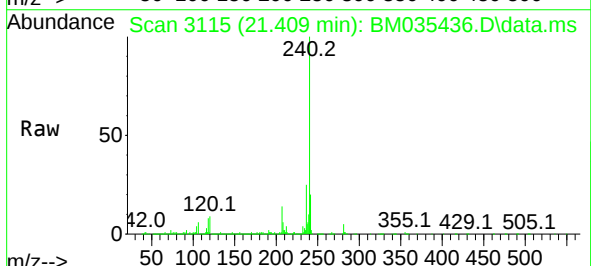
Tgt Ion:240 Resp: 861825

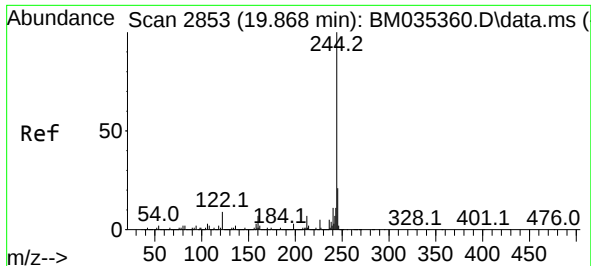
Ion Ratio Lower Upper

240 100

120 9.4 9.4 14.0

236 24.9 20.6 30.8

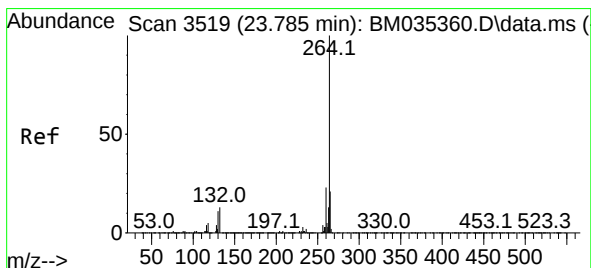
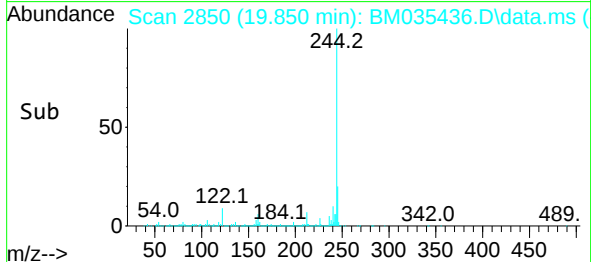
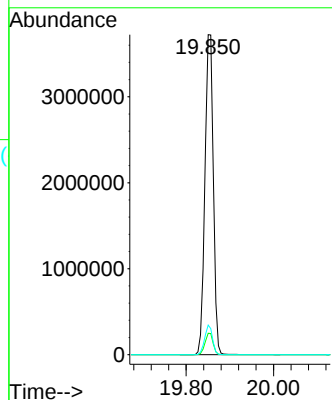
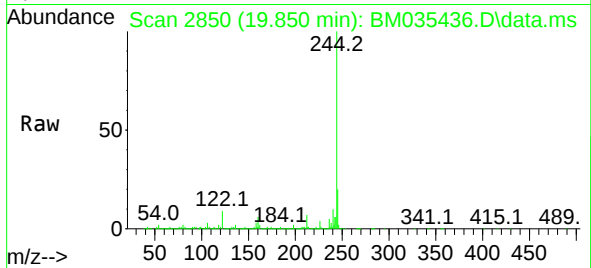




#79  
 Terphenyl-d14  
 Concen: 114.979 ng  
 RT: 19.850 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM035436.D  
 Acq: 08 Jun 2022 19:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GATE-6-JET-GROUT-SPOILS

Tgt Ion:244 Resp: 4973825  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 6.2 9.4  
 122 9.2 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.768 min Scan# 3516  
 Delta R.T. -0.006 min  
 Lab File: BM035436.D  
 Acq: 08 Jun 2022 19:01

Tgt Ion:264 Resp: 908690  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 18.9 28.3  
 265 22.1 17.5 26.3

