

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082120\  
 Data File : BM027175.D  
 Acq On : 21 Aug 2020 18:27  
 Operator : JU/CG  
 Sample : PB131109BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB131109BL

Quant Time: Aug 21 19:12:02 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082120.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 21 15:18:25 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.61  | 152  | 90732    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.38 | 136  | 304732   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.25 | 164  | 179685   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.99 | 188  | 365700   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.19 | 240  | 341734   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.38 | 264  | 352120   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.23  | 112  | 602898   | 129.54 | ng    | 0.00     |
| 7) Phenol-d6                | 6.80  | 99   | 750055   | 117.37 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.76  | 82   | 588948   | 79.74  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.74 | 330  | 276741   | 95.11  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.87 | 172  | 1114968  | 81.51  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.64 | 244  | 1473913  | 80.57  | ng    | 0.00     |

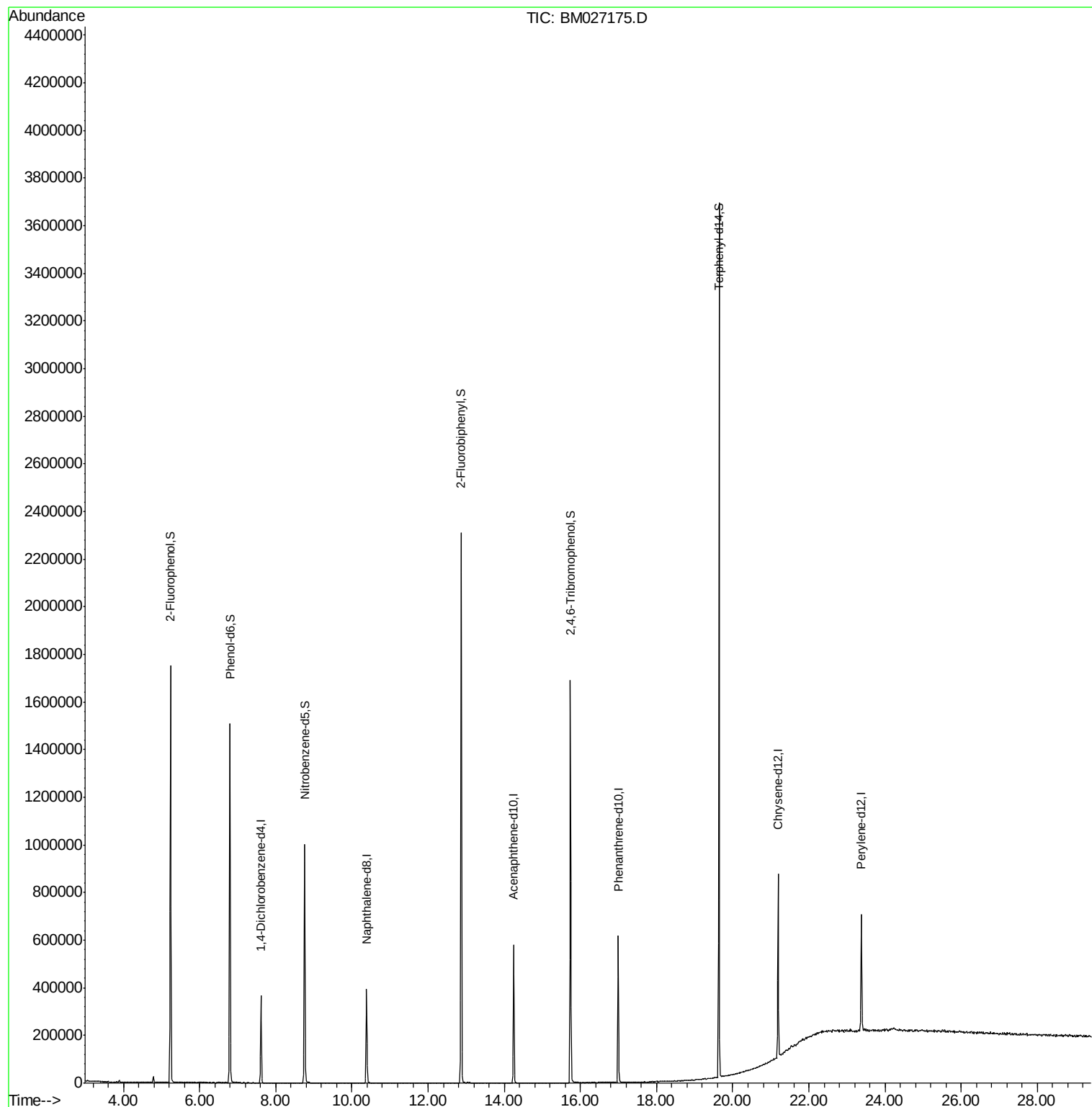
Target Compounds Qvalue

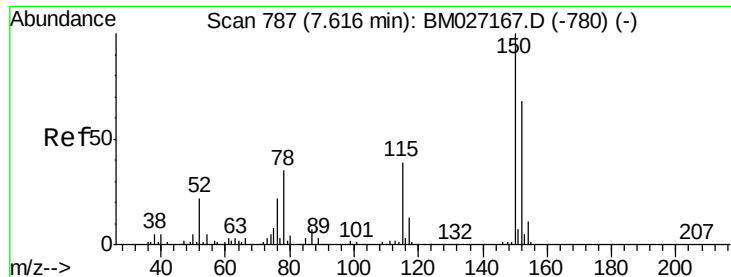
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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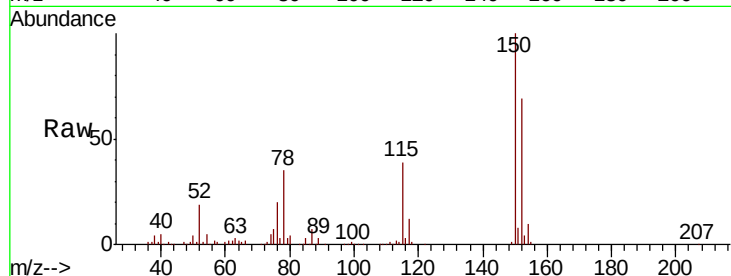


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.61 min Scan# 786  
Delta R.T. -0.01 min  
Lab File: BM027175.D  
Acq: 21 Aug 2020 18:27

Instrument :  
BNA\_M  
ClientSampleId :  
PB131109BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.2 | 118.2 | 177.4 |
| 115     | 56.1  | 46.1  | 69.1  |

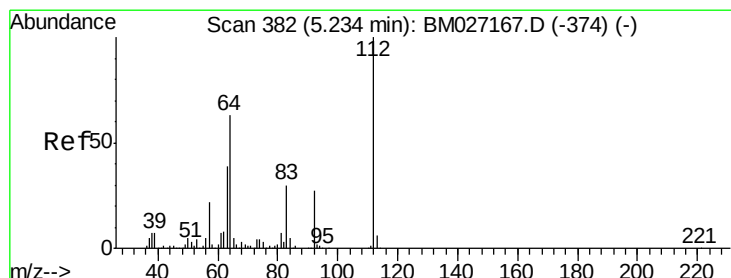
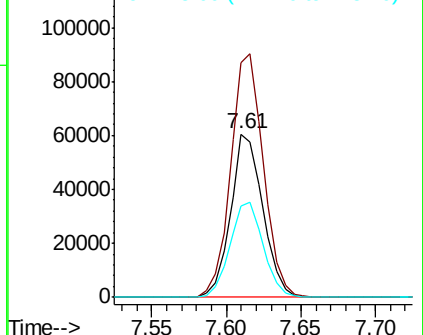
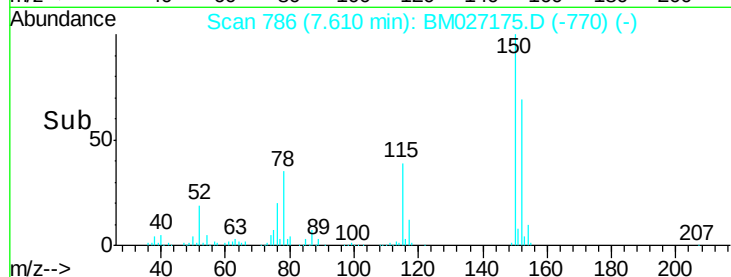


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

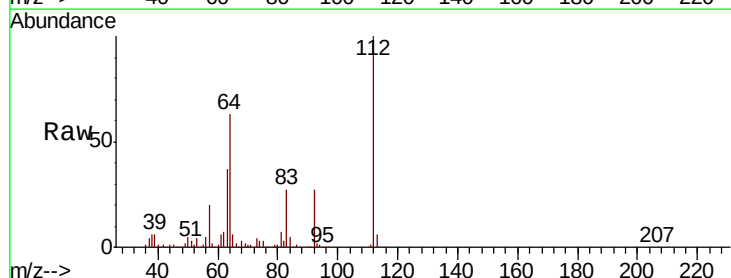
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 129.537 ng  
RT: 5.23 min Scan# 382  
Delta R.T. -0.00 min  
Lab File: BM027175.D  
Acq: 21 Aug 2020 18:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.2  | 50.0  | 75.0  |
| 63      | 37.3  | 31.6  | 47.4  |

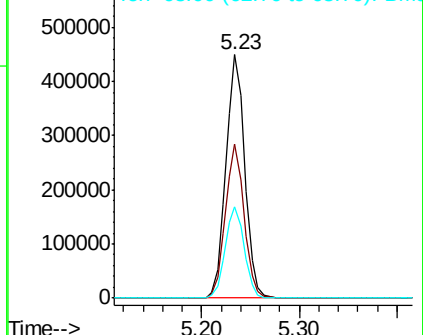
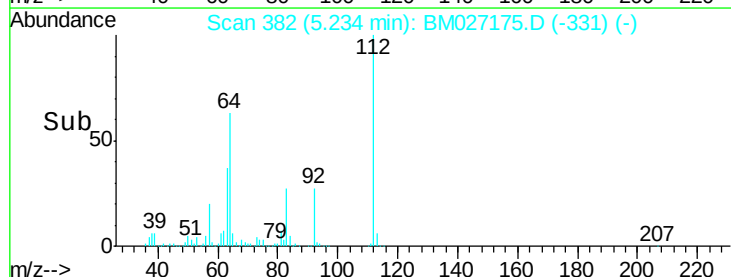


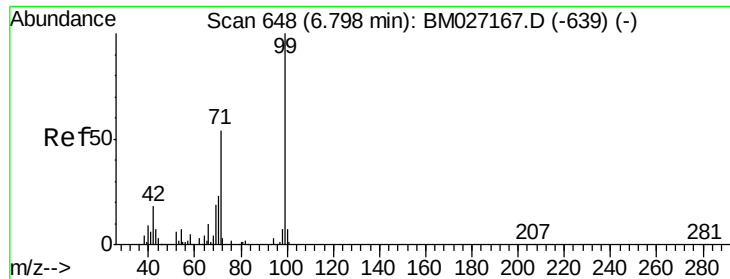
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 117.374 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.00 min

Lab File: BM027175.D

Acq: 21 Aug 2020 18:27

Instrument :

BNA\_M

ClientSampleId :

PB131109BL

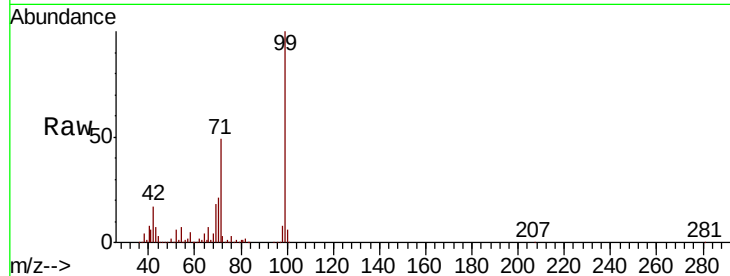
Tot Ion: 99 Resp: 750055

Ion Ratio Lower Upper

99 100

42 17.1 14.5 21.7

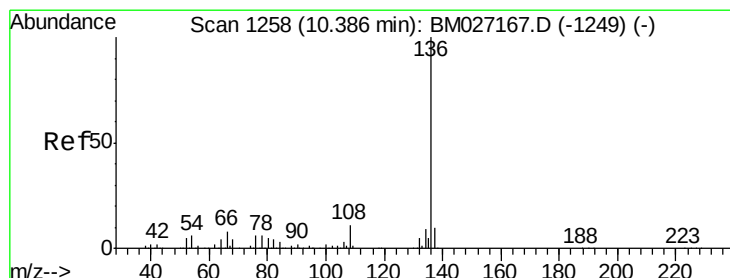
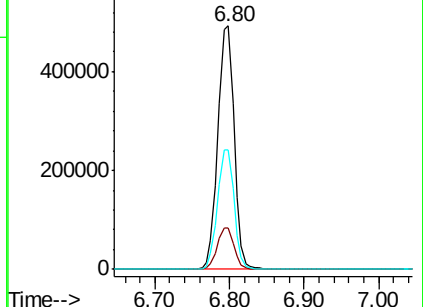
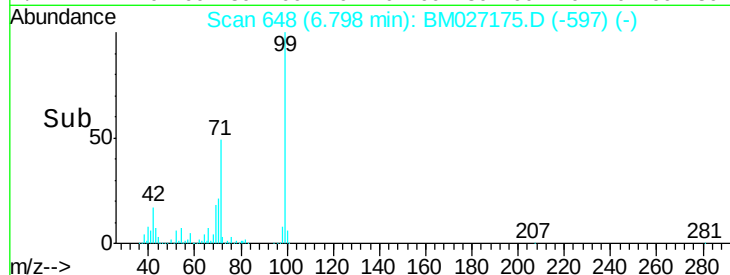
71 49.1 43.0 64.4



Abundance Ion 99.00 (98.70 to 99.70): BM027175.D (-597) (-)

Ion 42.00 (41.70 to 42.70): BM027175.D (-597) (-)

Ion 71.00 (70.70 to 71.70): BM027175.D (-597) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BM027175.D

Acq: 21 Aug 2020 18:27

Tgt Ion: 136 Resp: 304732

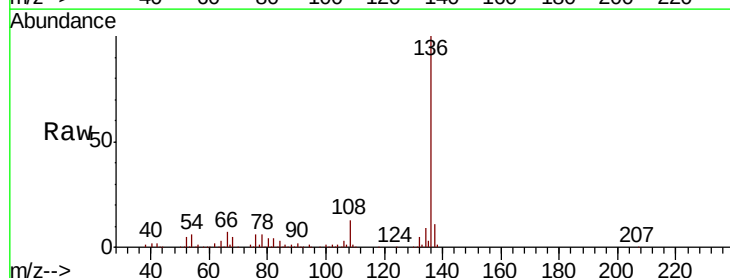
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

54 6.5 4.8 7.2

68 5.3 3.5 5.3

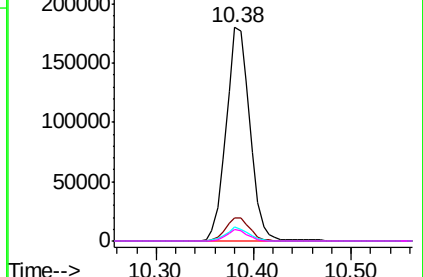
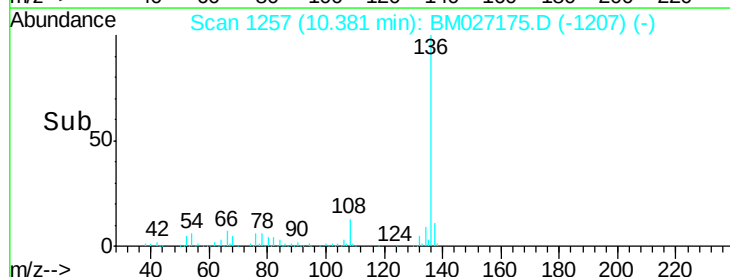


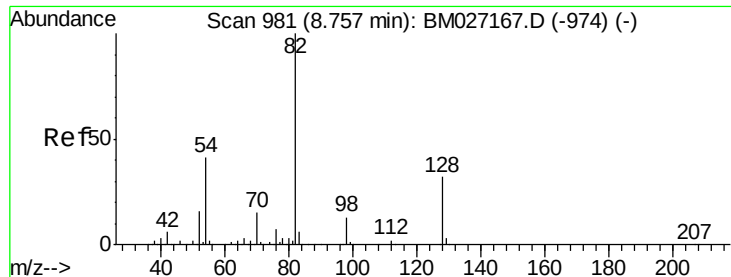
Abundance Ion 136.00 (135.70 to 136.70): BM027175.D (-1207) (-)

Ion 137.00 (136.70 to 137.70): BM027175.D (-1207) (-)

Ion 54.00 (53.70 to 54.70): BM027175.D (-1207) (-)

Ion 68.00 (67.70 to 68.70): BM027175.D (-1207) (-)

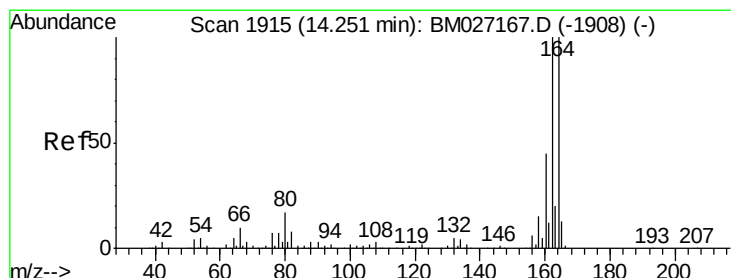
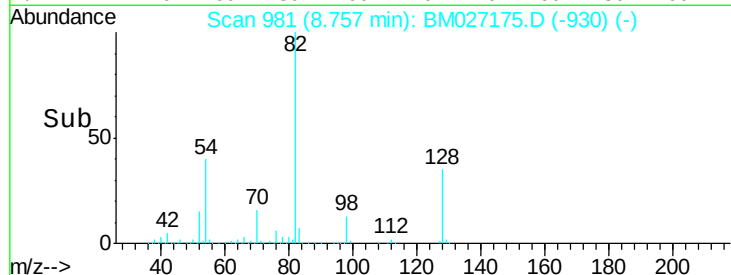
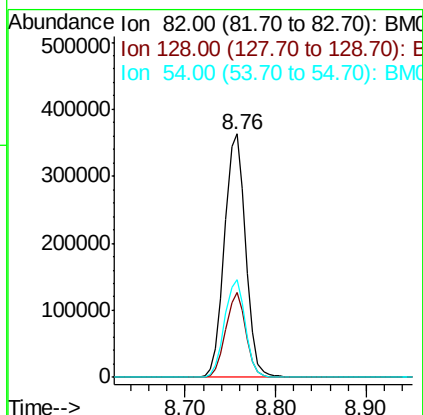
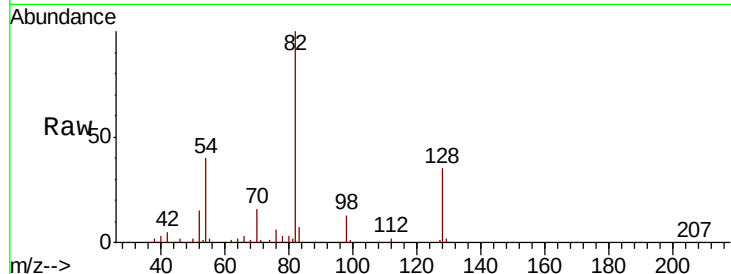




#23  
Nitrobenzene-d5  
Concen: 79.737 ng  
RT: 8.76 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: BM027175.D  
Acq: 21 Aug 2020 18:27

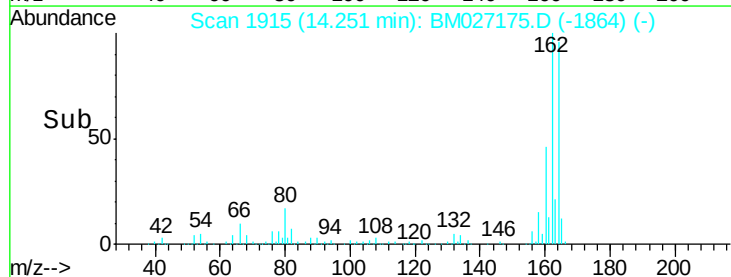
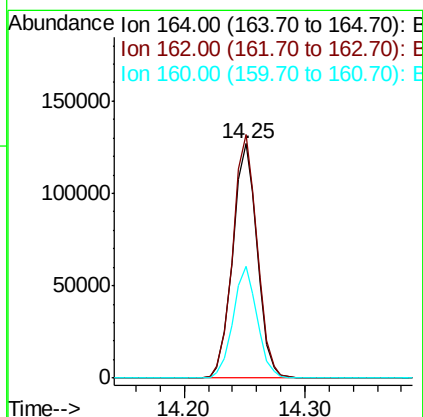
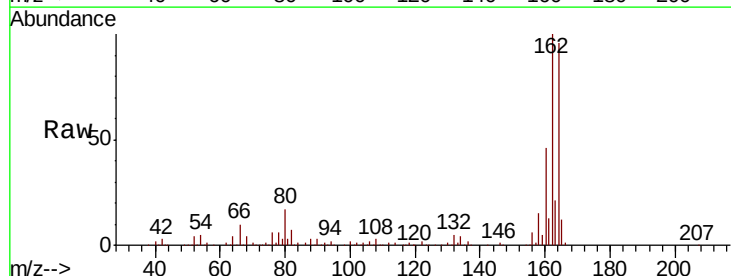
Instrument :  
BNA\_M  
ClientSampleId :  
PB131109BL

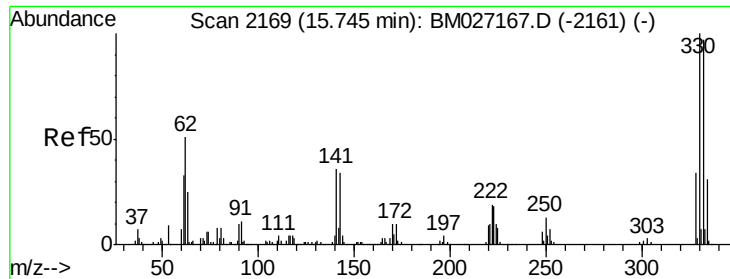
| Tot Ion   | 82   | Resp  | 588948 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 34.6 | 25.7  | 38.5   |
| 54        | 40.0 | 33.0  | 49.4   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.25 min Scan# 1915  
Delta R.T. -0.00 min  
Lab File: BM027175.D  
Acq: 21 Aug 2020 18:27

| Tgt Ion   | 164   | Resp  | 179685 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 103.9 | 80.2  | 120.4  |
| 160       | 47.4  | 36.3  | 54.5   |





#42

2,4,6-Tribromophenol

Concen: 95.110 ng

RT: 15.74 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BM027175.D

Acq: 21 Aug 2020 18:27

Instrument :

BNA\_M

ClientSampleId :

PB131109BL

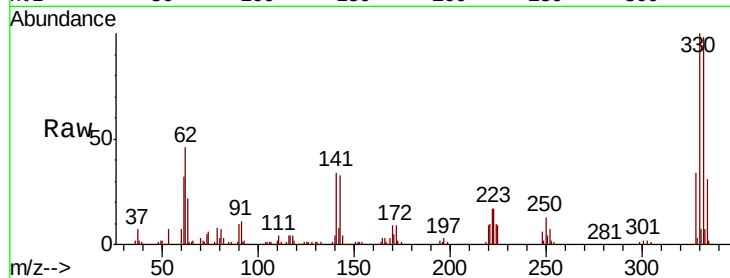
Tot Ion:330 Resp: 276741

Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

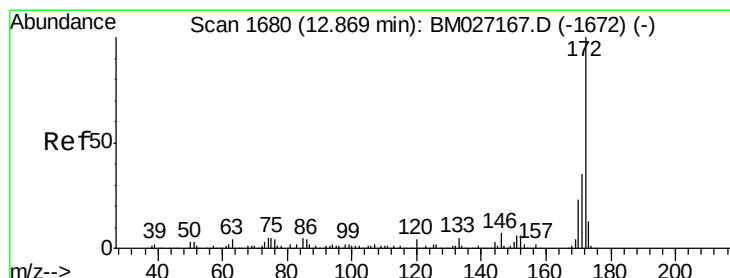
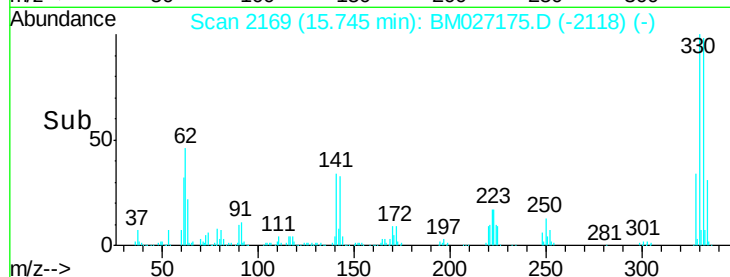
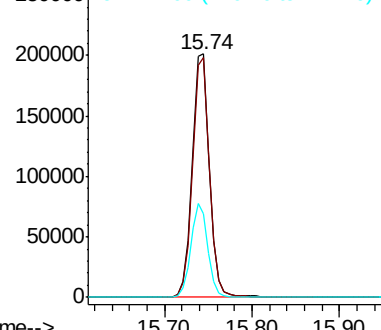
141 37.9 31.0 46.6



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 81.512 ng

RT: 12.87 min Scan# 1680

Delta R.T. -0.00 min

Lab File: BM027175.D

Acq: 21 Aug 2020 18:27

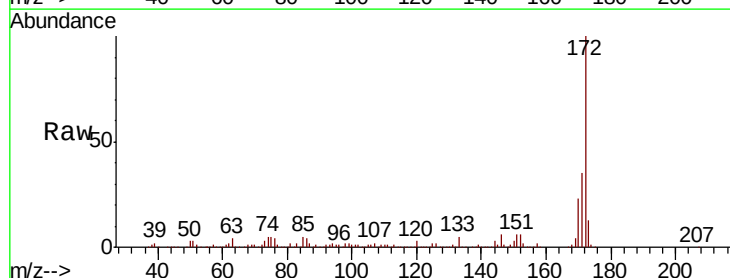
Tgt Ion:172 Resp: 1114968

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

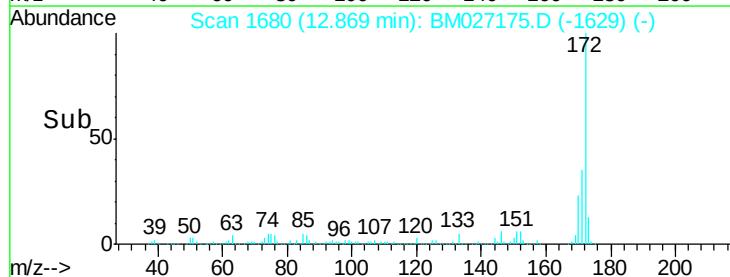
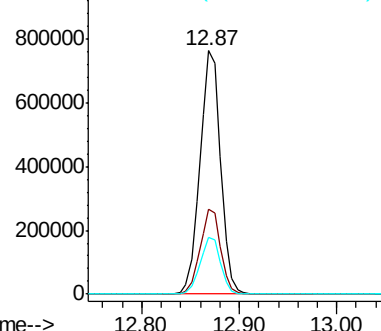
170 23.1 18.6 28.0

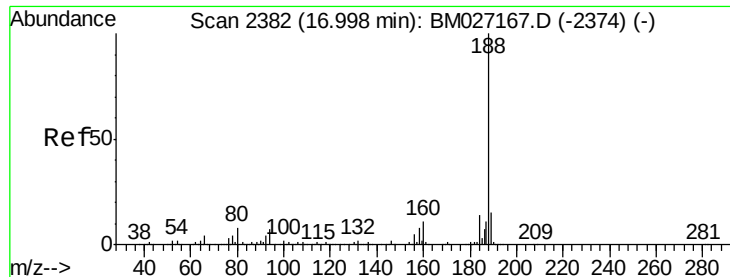


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

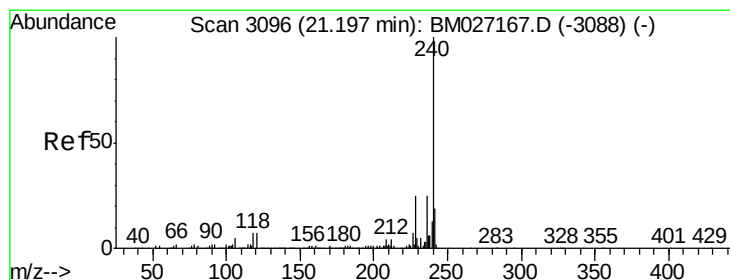
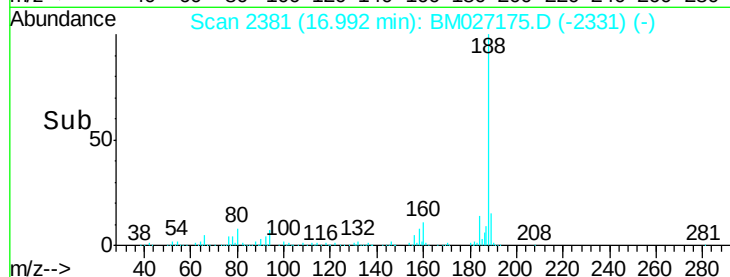
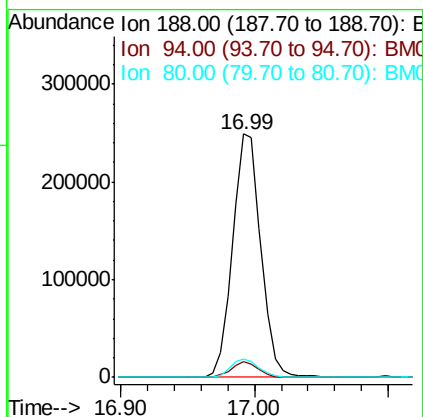
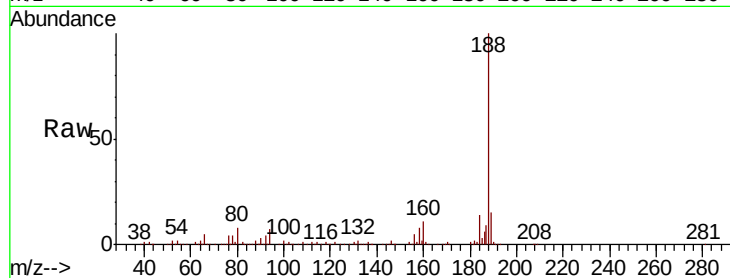




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.99 min Scan# 2381  
Delta R.T. -0.01 min  
Lab File: BM027175.D  
Acq: 21 Aug 2020 18:27

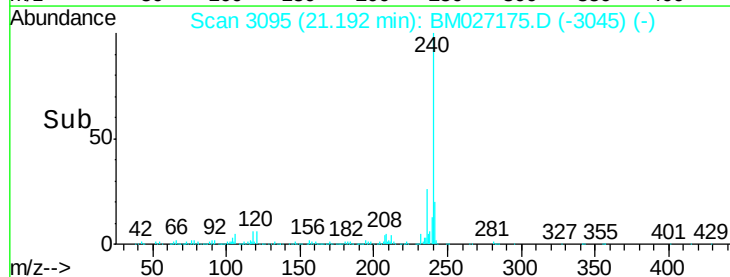
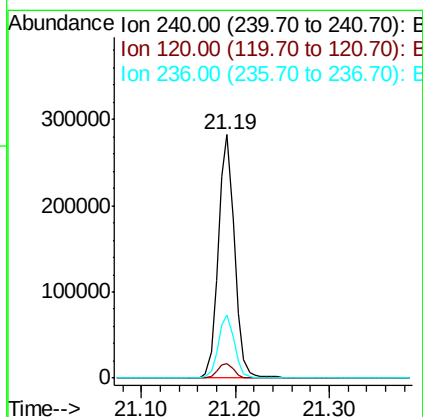
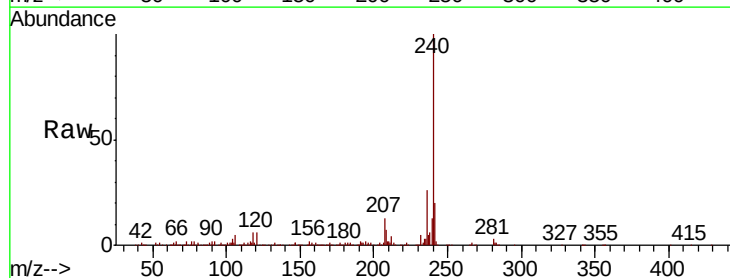
Instrument :  
BNA\_M  
ClientSampleId :  
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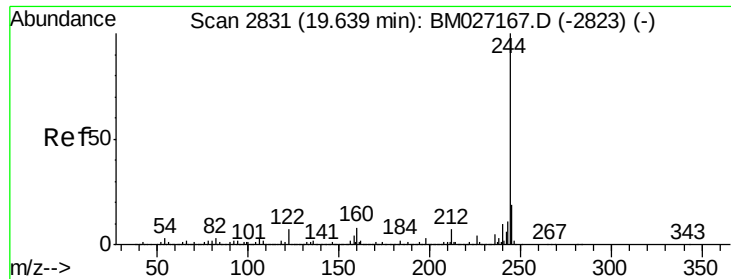
Tot Ion:188 Resp: 365700  
Ion Ratio Lower Upper  
188 100  
94 6.5 5.5 8.3  
80 7.7 6.2 9.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.19 min Scan# 3095  
Delta R.T. -0.01 min  
Lab File: BM027175.D  
Acq: 21 Aug 2020 18:27

Tgt Ion:240 Resp: 341734  
Ion Ratio Lower Upper  
240 100  
120 6.0 5.6 8.4  
236 25.7 19.8 29.6





#79

Terphenyl-d14

Concen: 80.570 ng

RT: 19.64 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BM027175.D

Acq: 21 Aug 2020 18:27

Instrument :

BNA\_M

ClientSampleId :

PB131109BL

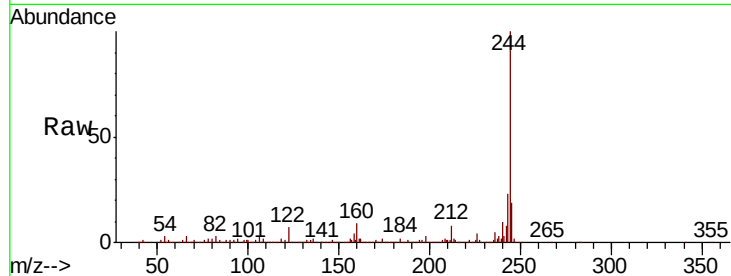
Tot Ion:244 Resp: 1473913

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

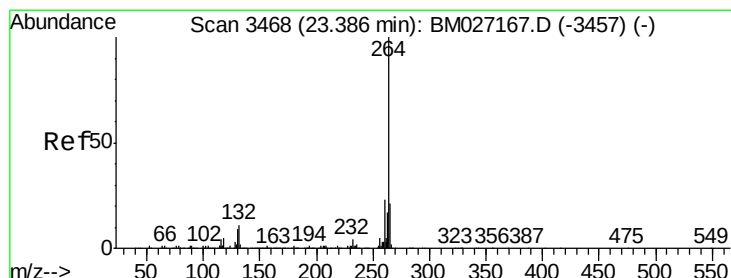
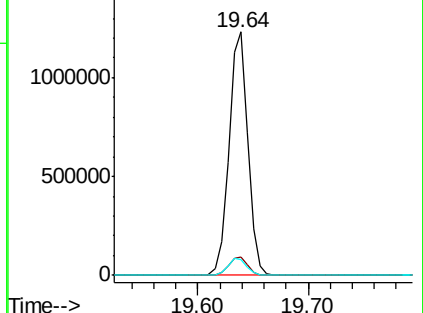
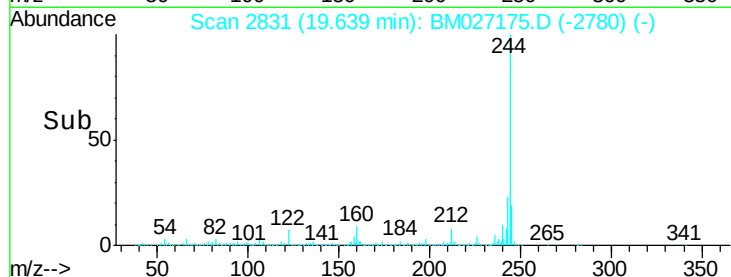
122 6.6 5.8 8.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.38 min Scan# 3467

Delta R.T. -0.01 min

Lab File: BM027175.D

Acq: 21 Aug 2020 18:27

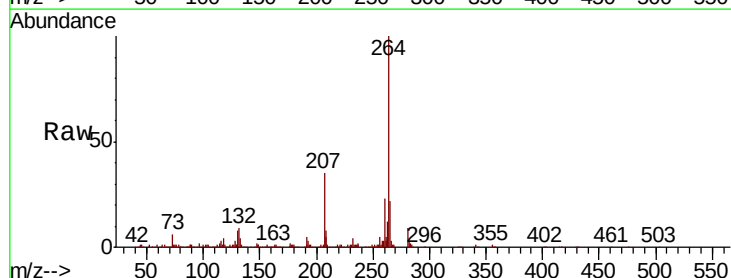
Tgt Ion:264 Resp: 352120

Ion Ratio Lower Upper

264 100

260 22.8 18.8 28.2

265 22.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

