

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012420\  
 Data File : BM024617.D  
 Acq On : 24 Jan 2020 12:31  
 Operator : CG/JU  
 Sample : PB125860BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB125860BL

Quant Time: Jan 24 16:58:57 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 14:57:07 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.44  | 152  | 209305   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.20 | 136  | 833332   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.09 | 164  | 581671   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.84 | 188  | 1370237  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.04 | 240  | 1461186  | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 23.16 | 264  | 1633829  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.09  | 112  | 1645744  | 149.53 | ng    | 0.00     |
| 7) Phenol-d6                | 6.64  | 99   | 2179389  | 143.75 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.58  | 82   | 1470493  | 86.54  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.59 | 330  | 1220874  | 129.03 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.70 | 172  | 3650269  | 85.32  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.50 | 244  | 7676116  | 98.07  | ng    | 0.00     |

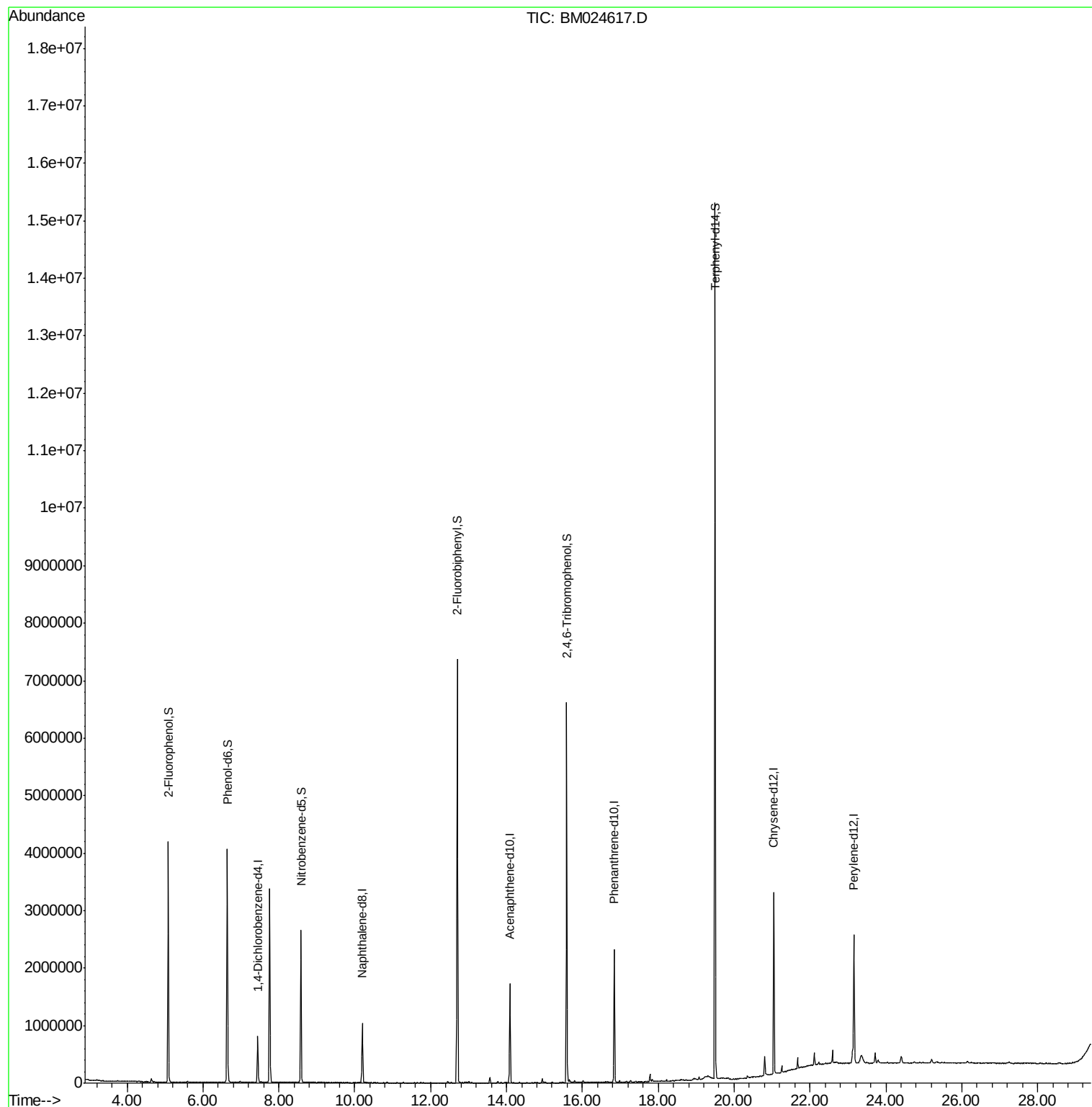
Target Compounds Qvalue

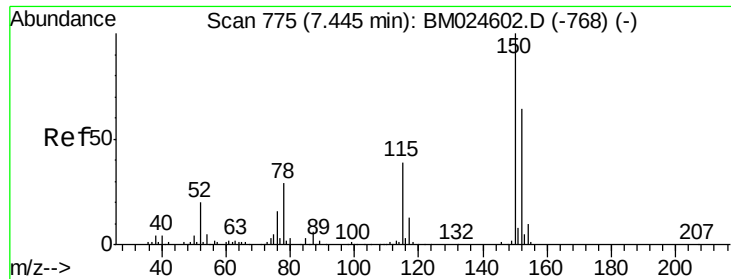
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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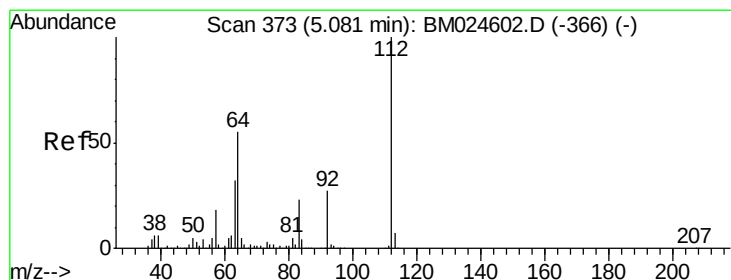
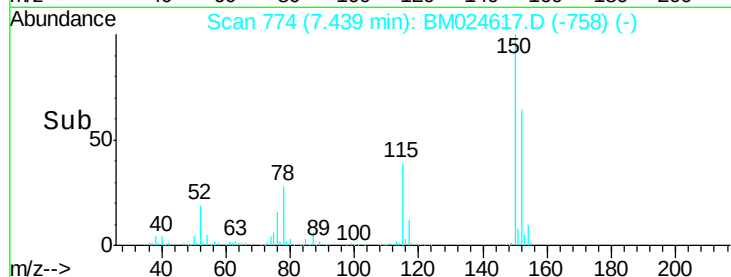
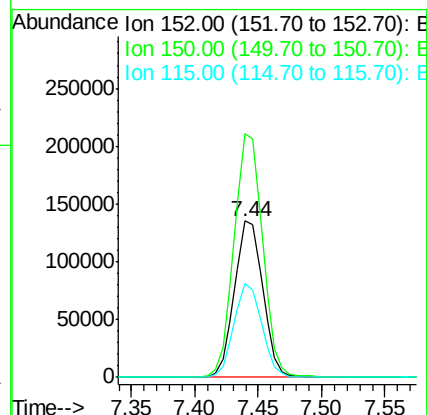
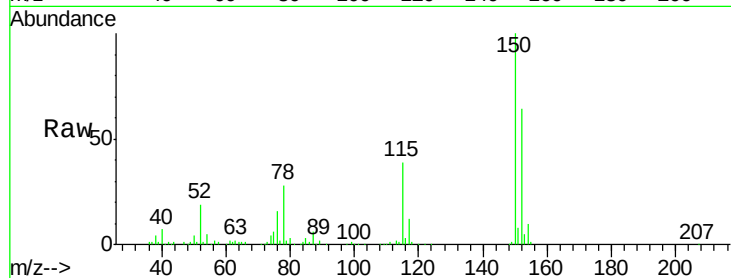


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.44 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM024617.D  
Acq: 24 Jan 2020 12:31

Instrument :  
BNA\_M  
ClientSampled :  
PB125860BL

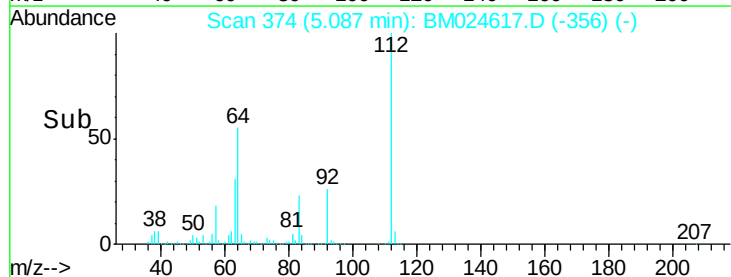
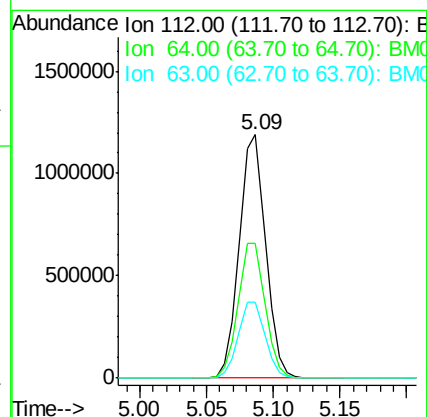
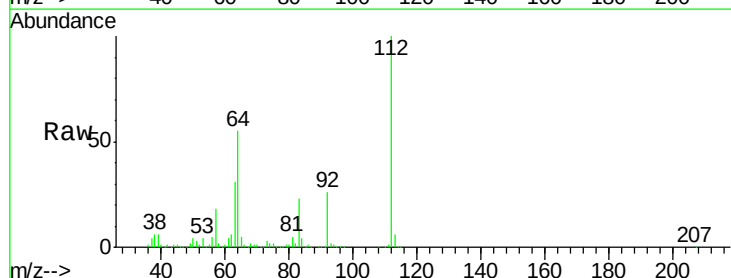
Tot Ion:152 Resp: 209305  
Ion Ratio Lower Upper  
152 100  
150 155.9 124.2 186.4  
115 60.3 48.6 72.8

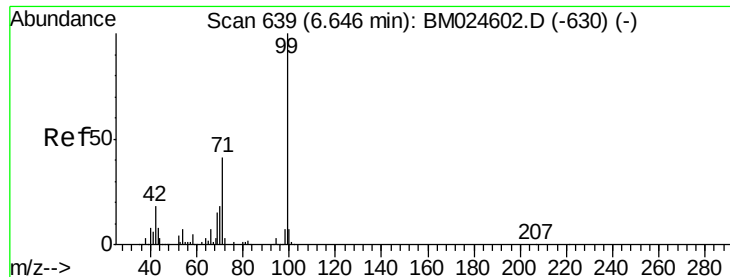


#5

2-Fluorophenol  
Concen: 149.533 ng  
RT: 5.09 min Scan# 374  
Delta R.T. 0.01 min  
Lab File: BM024617.D  
Acq: 24 Jan 2020 12:31

Tgt Ion:112 Resp: 1645744  
Ion Ratio Lower Upper  
112 100  
64 55.4 44.2 66.4  
63 31.4 25.9 38.9





#7

Phenol-d6

Concen: 143.746 ng

RT: 6.64 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM024617.D

Acq: 24 Jan 2020 12:31

Instrument :

BNA\_M

ClientSampleId :

PB125860BL

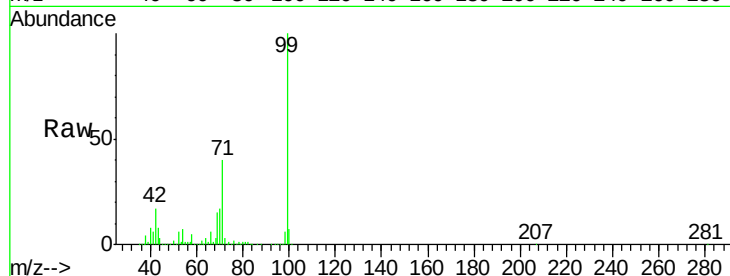
Tot Ion: 99 Resp: 2179389

Ion Ratio Lower Upper

99 100

42 17.1 14.1 21.1

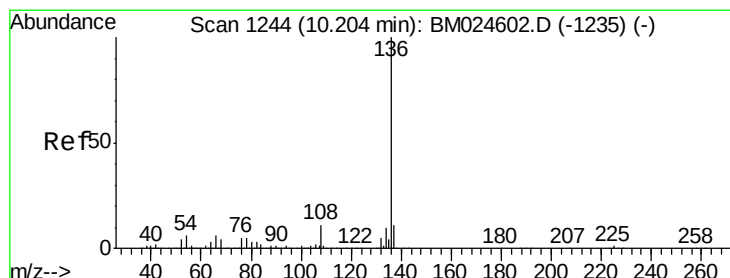
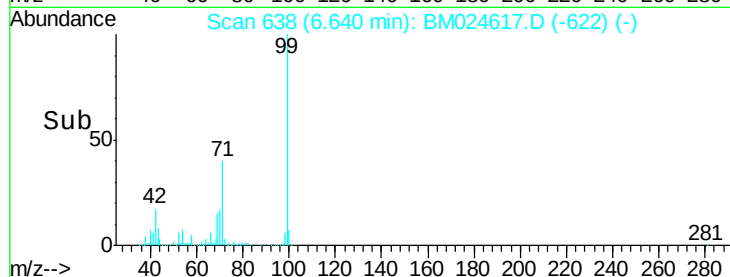
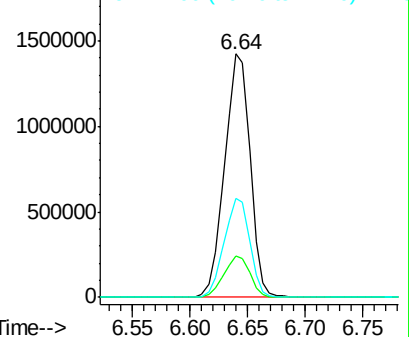
71 40.4 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BM024617.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024617.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024617.D (-622) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BM024617.D

Acq: 24 Jan 2020 12:31

Tgt Ion: 136 Resp: 833332

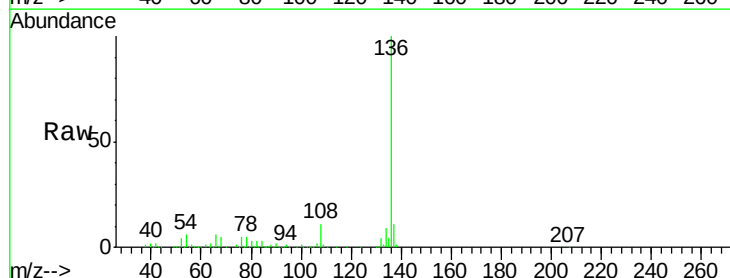
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 6.1 4.5 6.7

68 4.6 3.4 5.0

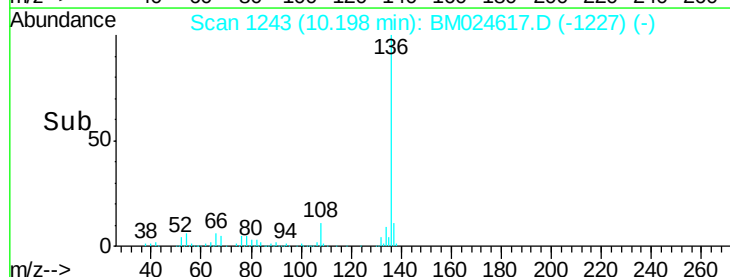
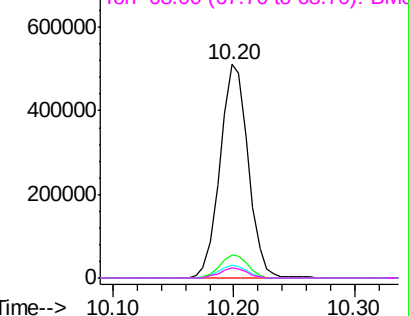


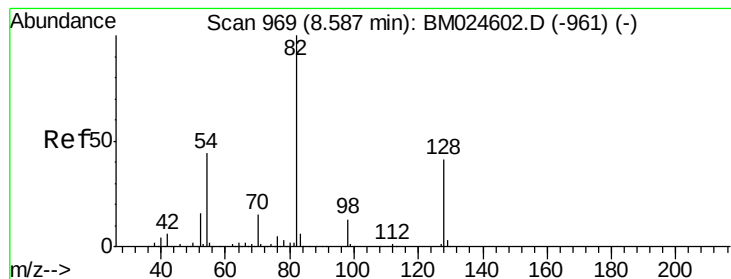
Abundance Ion 136.00 (135.70 to 136.70): BM024617.D (-1227) (-)

Ion 137.00 (136.70 to 137.70): BM024617.D (-1227) (-)

Ion 54.00 (53.70 to 54.70): BM024617.D (-1227) (-)

Ion 68.00 (67.70 to 68.70): BM024617.D (-1227) (-)





#23

Nitrobenzene-d5

Concen: 86.538 ng

RT: 8.58 min Scan# 968

Delta R.T. -0.01 min

Lab File: BM024617.D

Acq: 24 Jan 2020 12:31

Instrument :

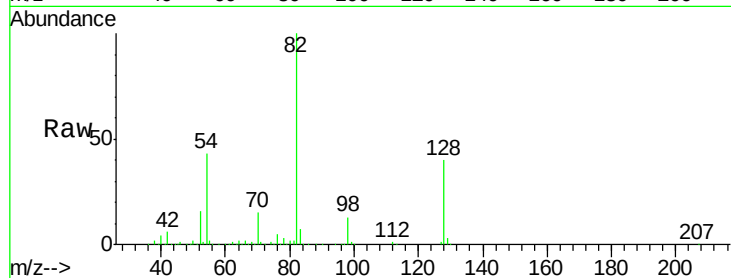
BNA\_M

ClientSampleId :

PB125860BL

Tot Ion: 82 Resp: 1470493

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.0  | 32.6  | 48.8  |
| 54  | 43.4  | 34.8  | 52.2  |

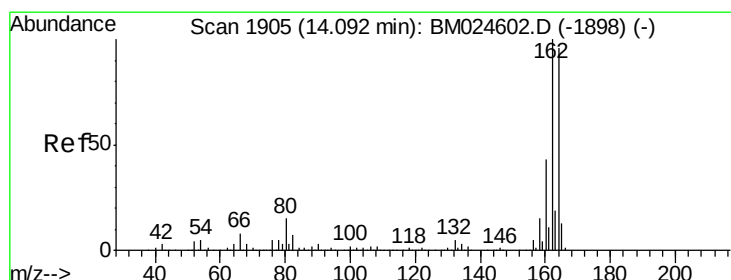
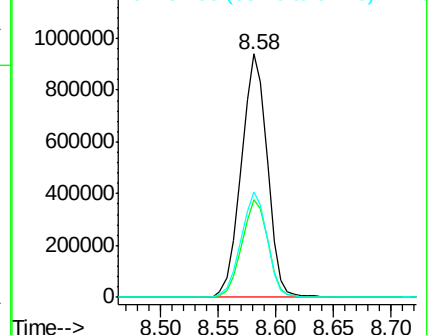
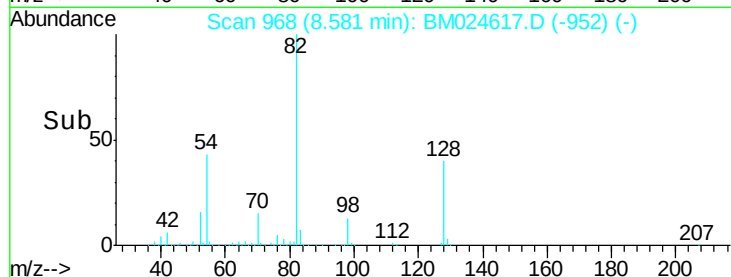


Abundance

Ion 82.00 (81.70 to 82.70): BM024602.D (-961) (-)

Ion 128.00 (127.70 to 128.70): BM024602.D (-961) (-)

Ion 54.00 (53.70 to 54.70): BM024602.D (-961) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.09 min Scan# 1905

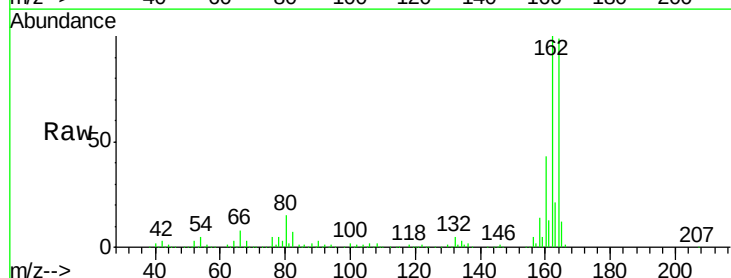
Delta R.T. -0.00 min

Lab File: BM024617.D

Acq: 24 Jan 2020 12:31

Tgt Ion:164 Resp: 581671

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.1 | 82.9  | 124.3 |
| 160 | 43.1  | 35.5  | 53.3  |

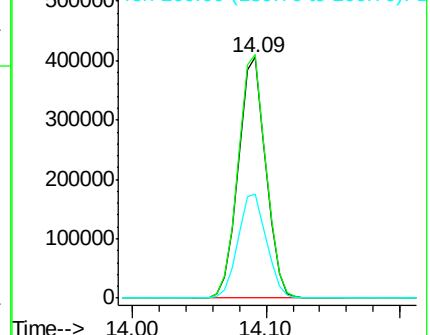
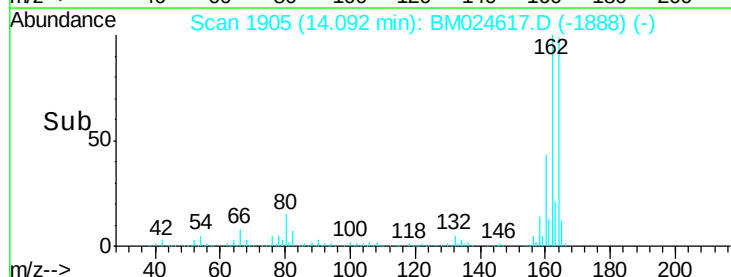


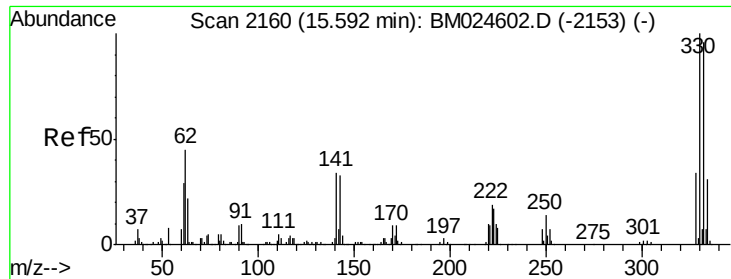
Abundance

Ion 164.00 (163.70 to 164.70): BM024602.D (-1898) (-)

Ion 162.00 (161.70 to 162.70): BM024602.D (-1898) (-)

Ion 160.00 (159.70 to 160.70): BM024602.D (-1898) (-)





#42

2,4,6-Tribromophenol

Concen: 129.033 ng

RT: 15.59 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BM024617.D

Acq: 24 Jan 2020 12:31

Instrument :

BNA\_M

ClientSampleId :

PB125860BL

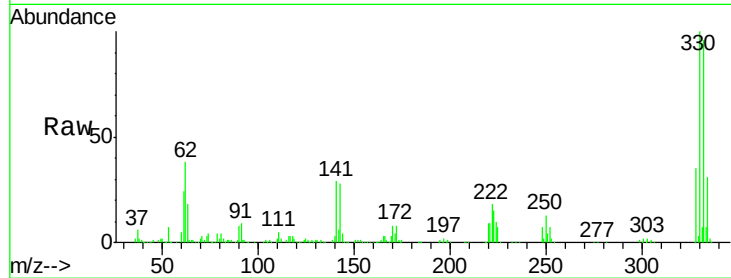
Tot Ion:330 Resp: 1220874

Ion Ratio Lower Upper

330 100

332 96.8 77.2 115.8

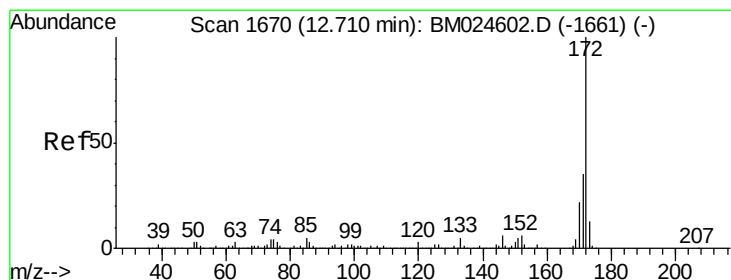
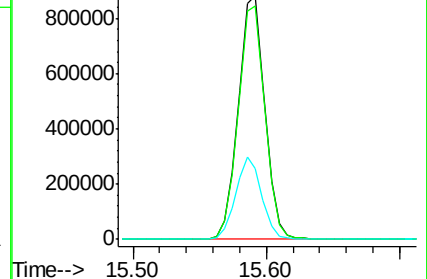
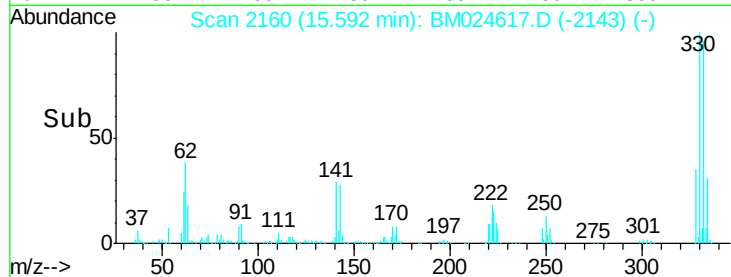
141 33.3 26.9 40.3



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: 85.315 ng

RT: 12.70 min Scan# 1669

Delta R.T. -0.01 min

Lab File: BM024617.D

Acq: 24 Jan 2020 12:31

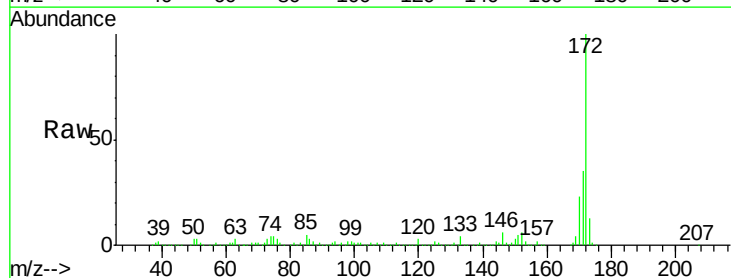
Tgt Ion:172 Resp: 3650269

Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

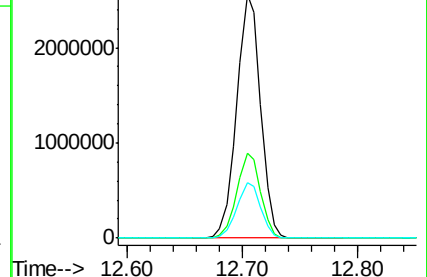
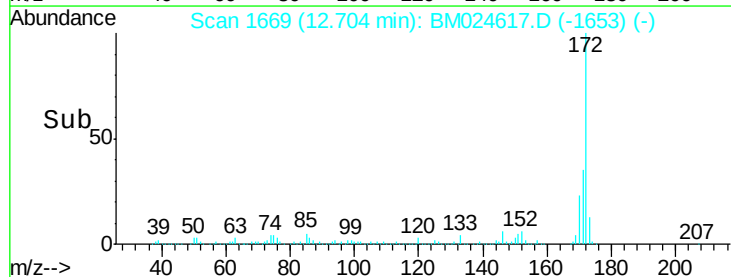
170 22.9 17.9 26.9

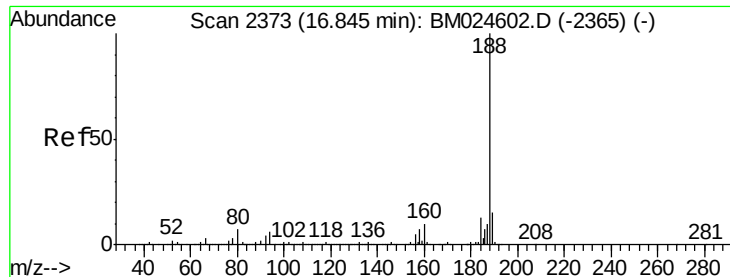


Abundance Ion 172.00 (171.70 to 172.70): E

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: 16.84 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BM024617.D

Acq: 24 Jan 2020 12:31

Instrument :

BNA\_M

ClientSampleId :

PB125860BL

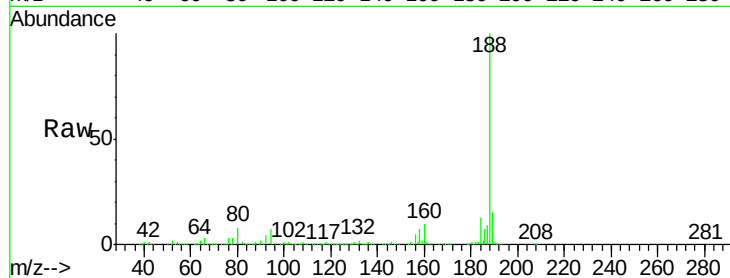
Tot Ion:188 Resp: 1370237

Ion Ratio Lower Upper

188 100

94 6.7 5.0 7.6

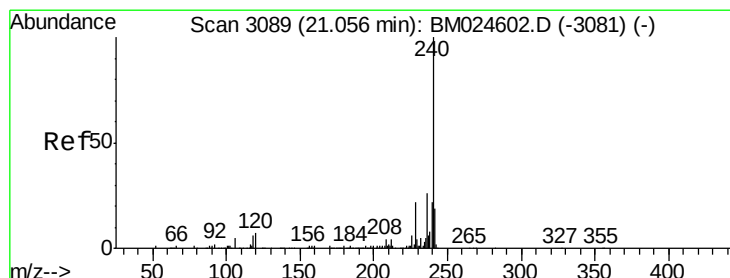
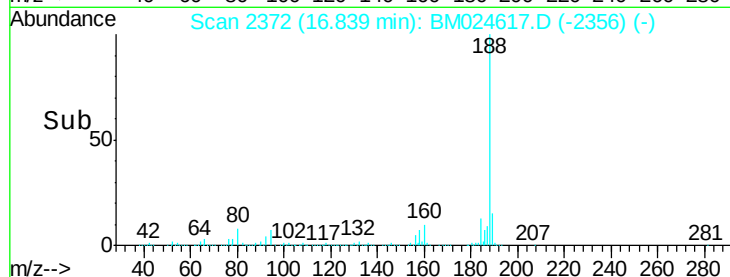
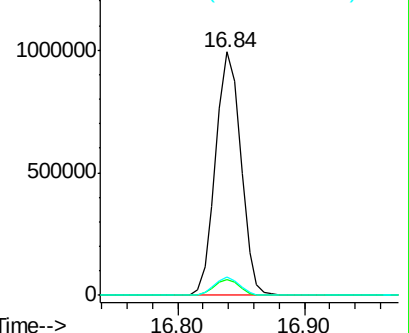
80 7.6 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.04 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM024617.D

Acq: 24 Jan 2020 12:31

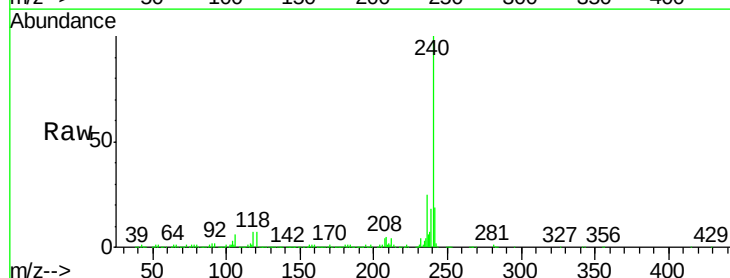
Tgt Ion:240 Resp: 1461186

Ion Ratio Lower Upper

240 100

120 7.3 5.3 7.9

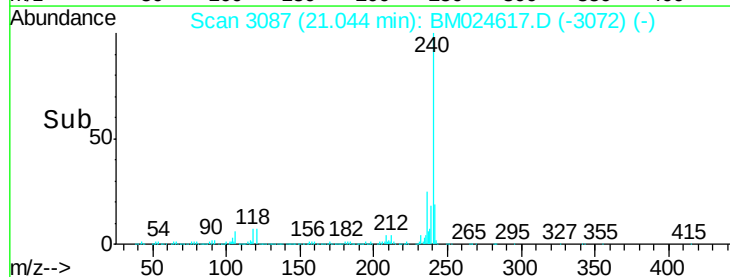
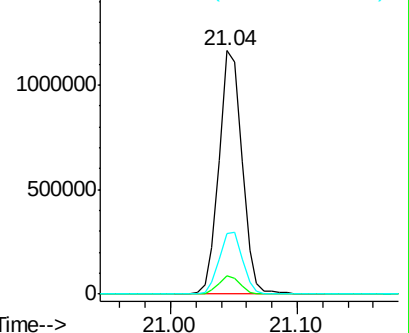
236 25.0 20.6 31.0

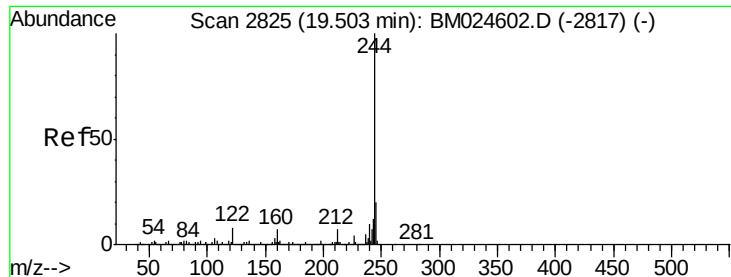


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 98.075 ng

RT: 19.50 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM024617.D

Acq: 24 Jan 2020 12:31

Instrument :

BNA\_M

ClientSampleId :

PB125860BL

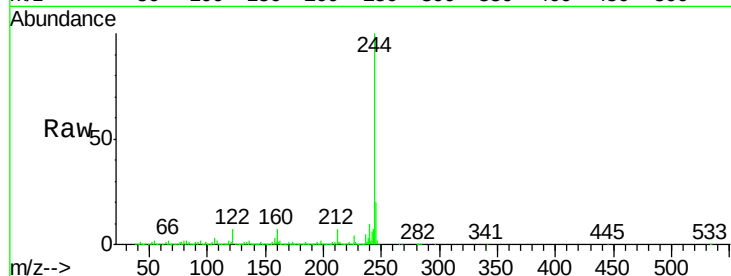
Tot Ion:244 Resp: 7676116

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

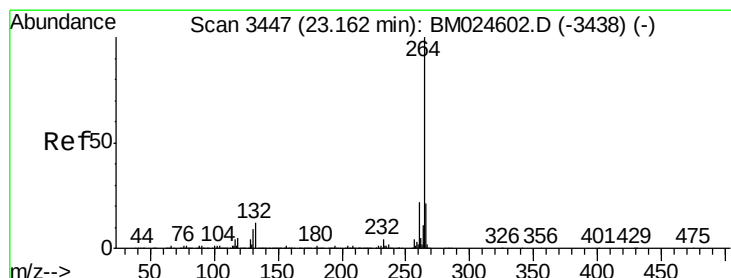
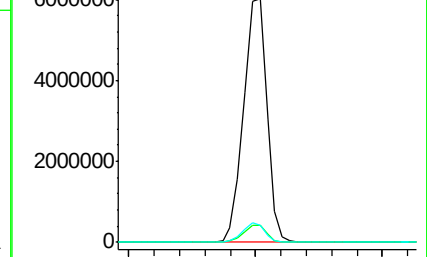
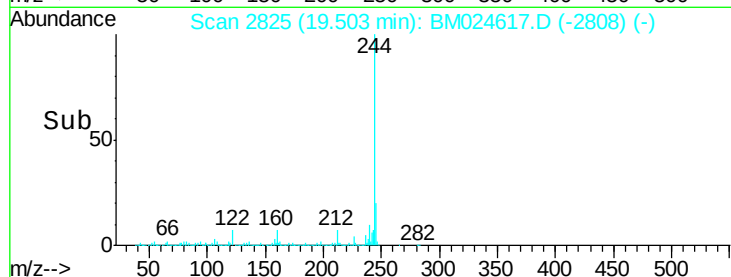
122 7.2 6.2 9.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.16 min Scan# 3447

Delta R.T. -0.00 min

Lab File: BM024617.D

Acq: 24 Jan 2020 12:31

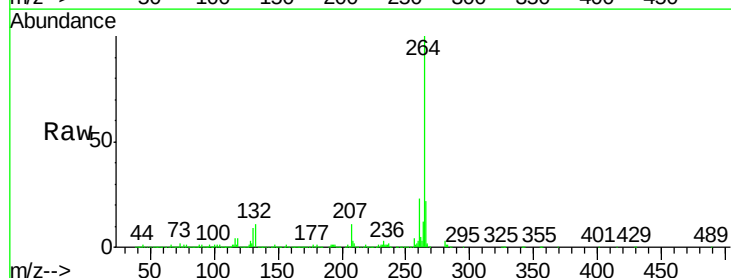
Tgt Ion:264 Resp: 1633829

Ion Ratio Lower Upper

264 100

260 23.3 17.9 26.9

265 21.6 17.3 25.9



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

