

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061620\  
 Data File : BM026409.D  
 Acq On : 16 Jun 2020 10:59  
 Operator : JU/CG  
 Sample : PB129537BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB129537BL

Quant Time: Jun 16 11:44:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 16 10:23:36 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.40  | 152  | 97096    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.16 | 136  | 395201   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.05 | 164  | 245440   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.80 | 188  | 534075   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.02 | 240  | 551323   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.11 | 264  | 585158   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 760987   | 138.57 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 1049010  | 131.91 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.55  | 82   | 749182   | 93.08  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.56 | 330  | 433786   | 145.90 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.66 | 172  | 1518246  | 93.90  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.46 | 244  | 2707388  | 95.33  | ng    | 0.00     |

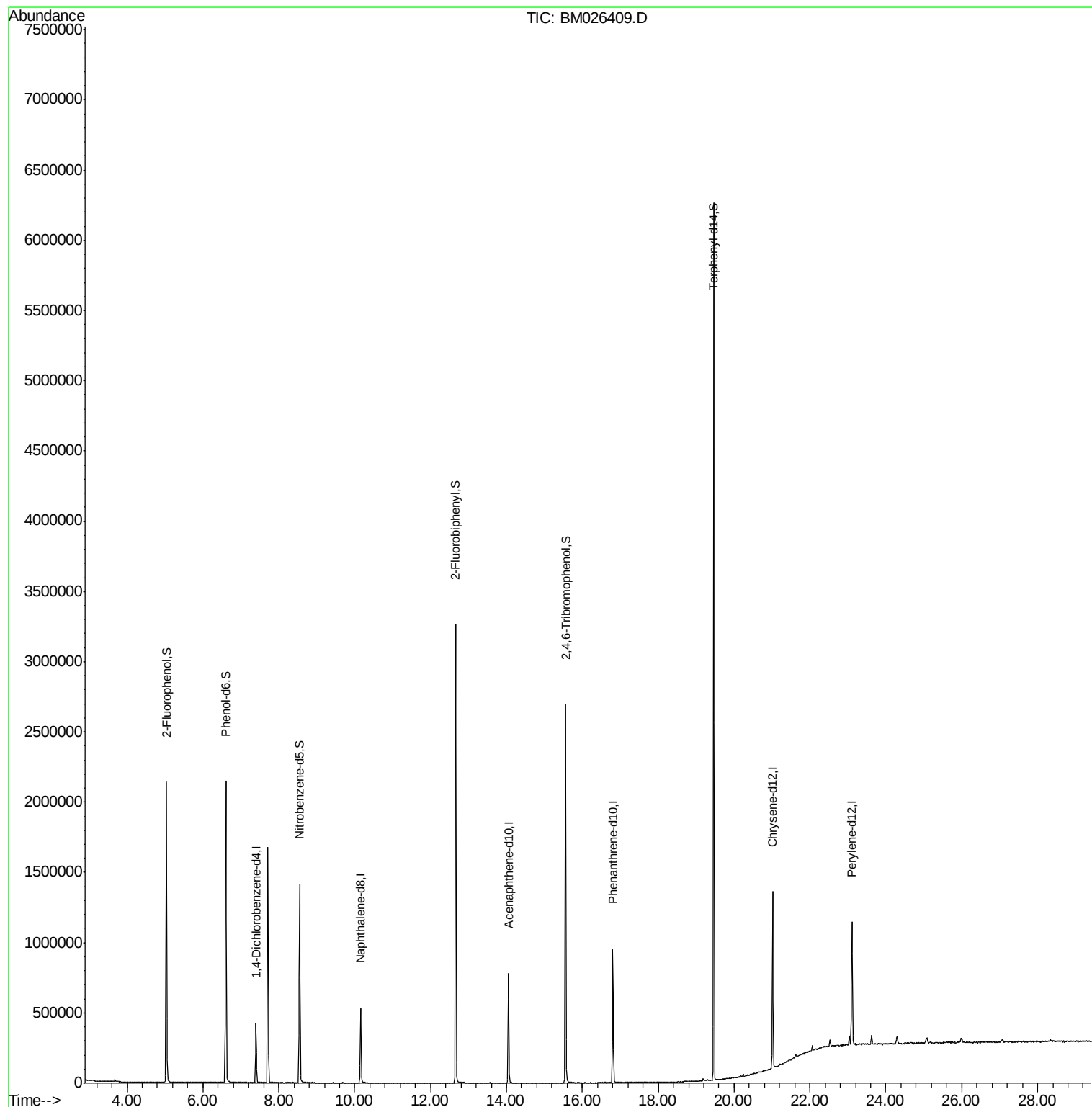
Target Compounds Qvalue

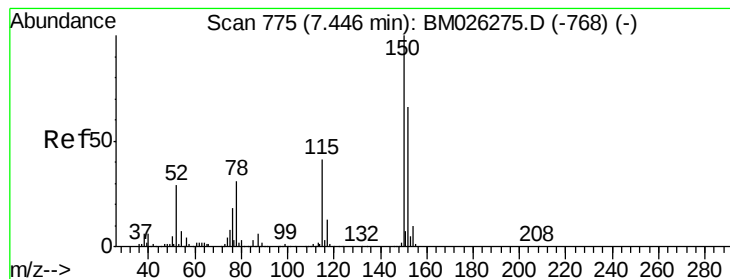
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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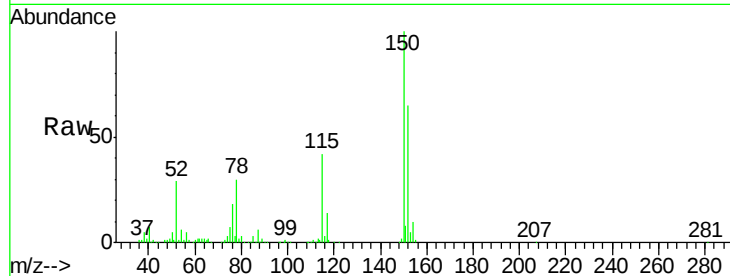


#1

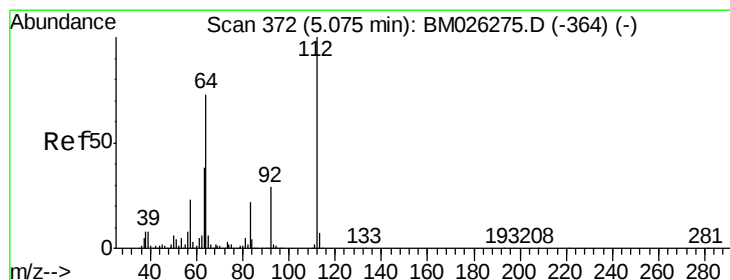
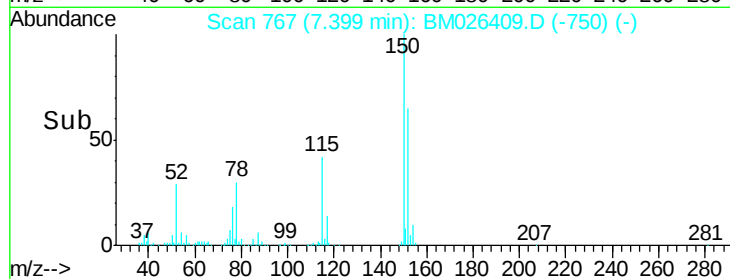
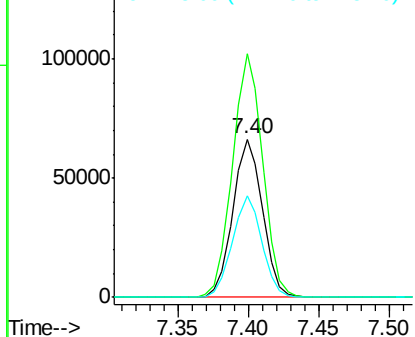
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.40 min Scan# 767  
Delta R.T. -0.00 min  
Lab File: BM026409.D  
Acq: 16 Jun 2020 10:59

Instrument :  
BNA\_M  
ClientSampleId :  
PB129537BL

Tot Ion:152 Resp: 97096  
Ion Ratio Lower Upper  
152 100  
150 154.2 127.8 191.6  
115 64.4 51.5 77.3



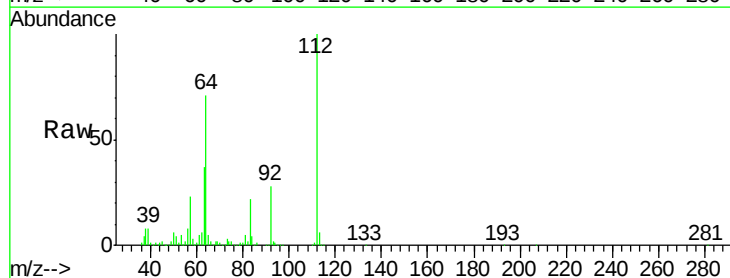
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



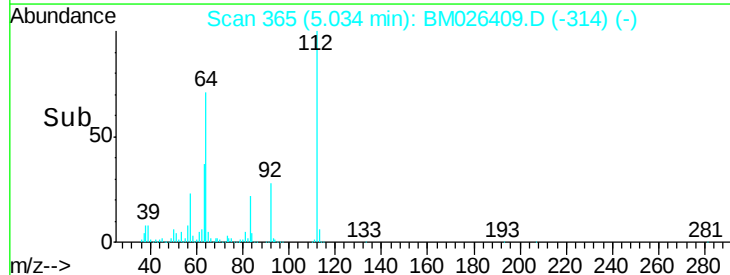
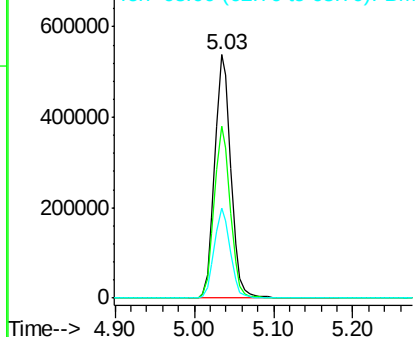
#5

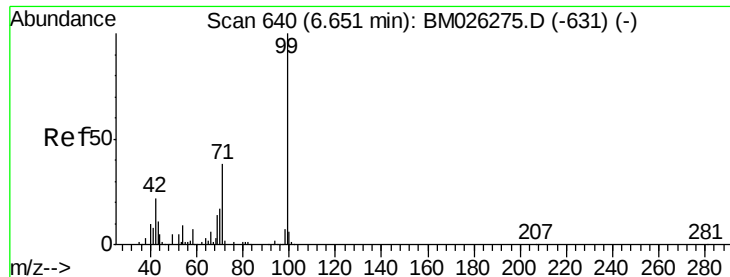
2-Fluorophenol  
Concen: 138.569 ng  
RT: 5.03 min Scan# 365  
Delta R.T. -0.00 min  
Lab File: BM026409.D  
Acq: 16 Jun 2020 10:59

Tgt Ion:112 Resp: 760987  
Ion Ratio Lower Upper  
112 100  
64 70.8 56.0 84.0  
63 37.2 29.0 43.6



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: 131.912 ng

RT: 6.60 min Scan# 632

Delta R.T. -0.00 min

Lab File: BM026409.D

Acq: 16 Jun 2020 10:59

Instrument :

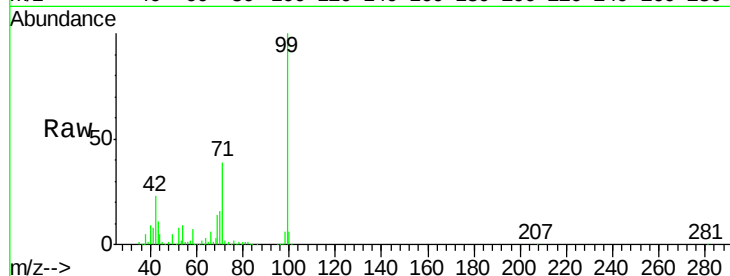
BNA\_M

ClientSampleId :

PB129537BL

Tot Ion: 99 Resp: 1049010

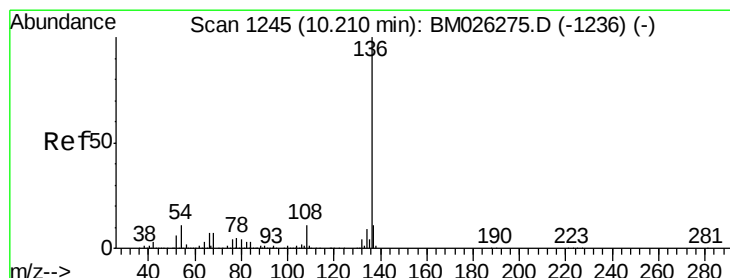
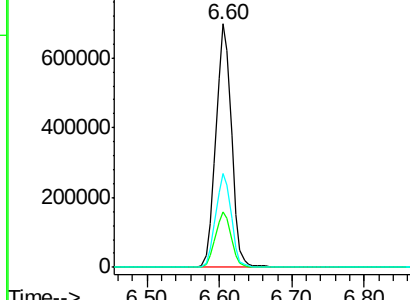
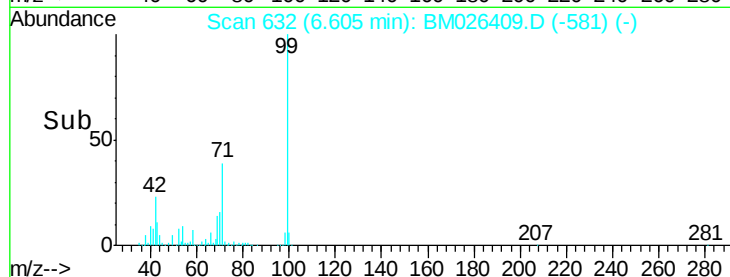
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.6  | 17.8  | 26.6  |
| 71  | 38.5  | 31.0  | 46.4  |



Abundance Ion 99.00 (98.70 to 99.70): BM026409.D (-581) (-)

Ion 42.00 (41.70 to 42.70): BM026409.D (-581) (-)

Ion 71.00 (70.70 to 71.70): BM026409.D (-581) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.16 min Scan# 1236

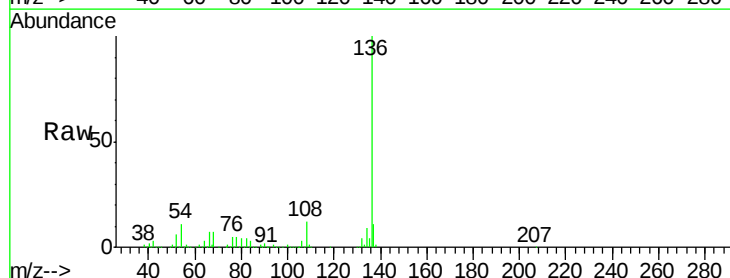
Delta R.T. -0.00 min

Lab File: BM026409.D

Acq: 16 Jun 2020 10:59

Tgt Ion: 136 Resp: 395201

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.5   | 12.7  |
| 54  | 11.5  | 9.0   | 13.6  |
| 68  | 7.3   | 5.6   | 8.4   |

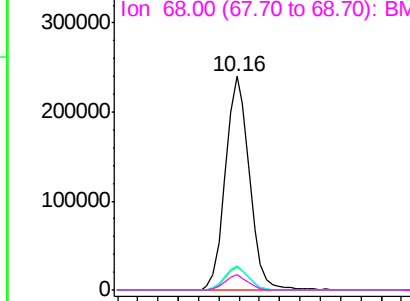
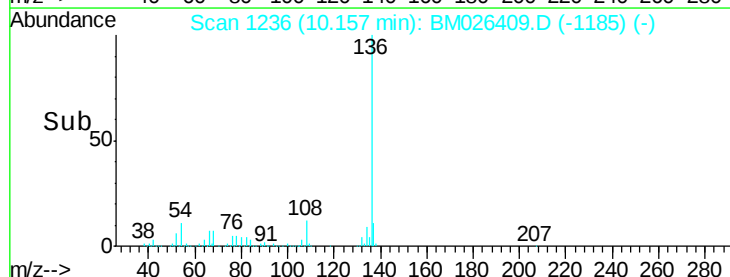


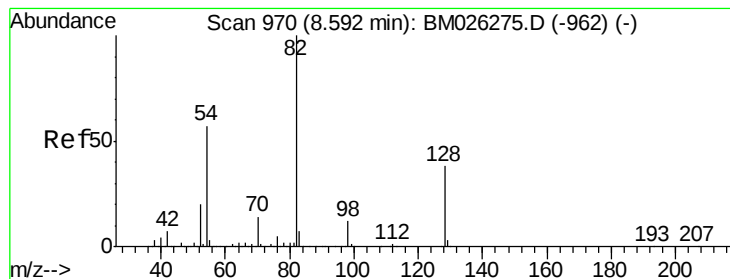
Abundance Ion 136.00 (135.70 to 136.70): BM026409.D (-1185) (-)

Ion 137.00 (136.70 to 137.70): BM026409.D (-1185) (-)

Ion 54.00 (53.70 to 54.70): BM026409.D (-1185) (-)

Ion 68.00 (67.70 to 68.70): BM026409.D (-1185) (-)





#23

Nitrobenzene-d5

Concen: 93.078 ng

RT: 8.55 min Scan# 962

Delta R.T. -0.00 min

Lab File: BM026409.D

Acq: 16 Jun 2020 10:59

Instrument :

BNA\_M

ClientSampleId :

PB129537BL

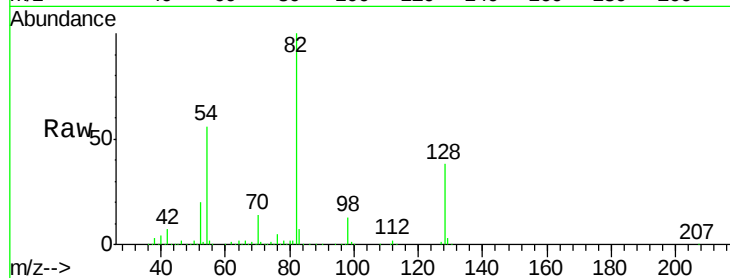
Tot Ion: 82 Resp: 749182

Ion Ratio Lower Upper

82 100

128 38.1 31.0 46.6

54 56.4 45.4 68.2

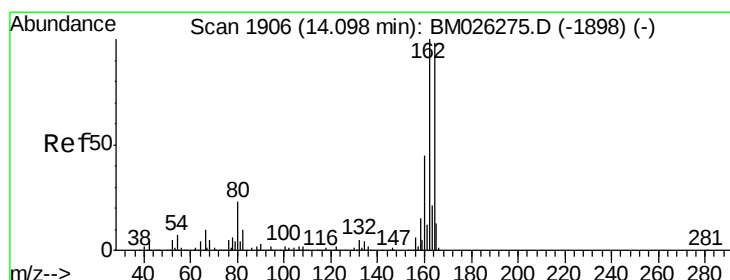
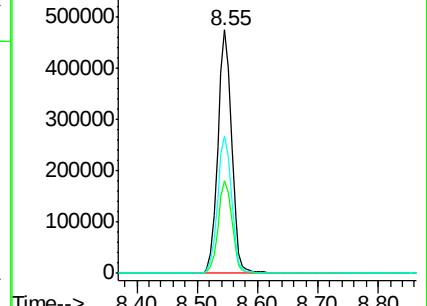
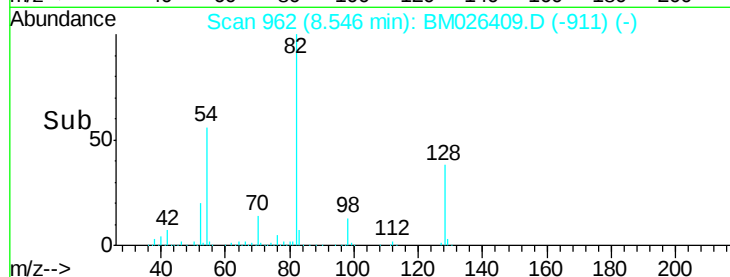


Abundance Ion 82.00 (81.70 to 82.70): BM026275.D (-962) (-)

Ion 128.00 (127.70 to 128.70): BM026275.D (-962) (-)

Ion 54.00 (53.70 to 54.70): BM026275.D (-962) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.05 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BM026409.D

Acq: 16 Jun 2020 10:59

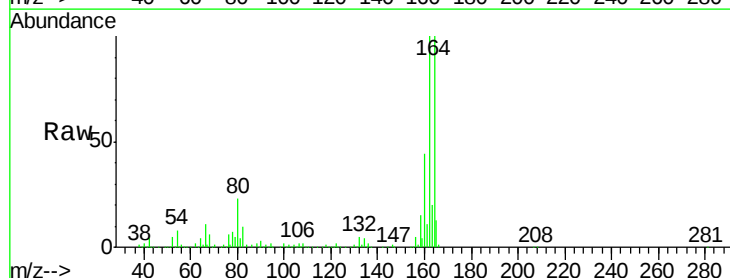
Tgt Ion:164 Resp: 245440

Ion Ratio Lower Upper

164 100

162 100.4 77.7 116.5

160 43.8 34.2 51.2

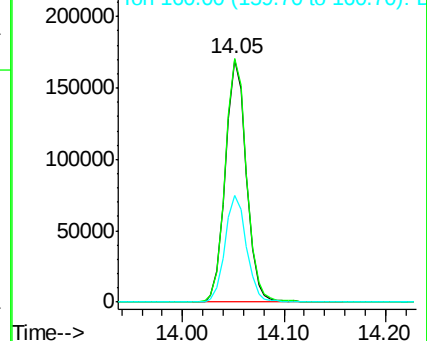
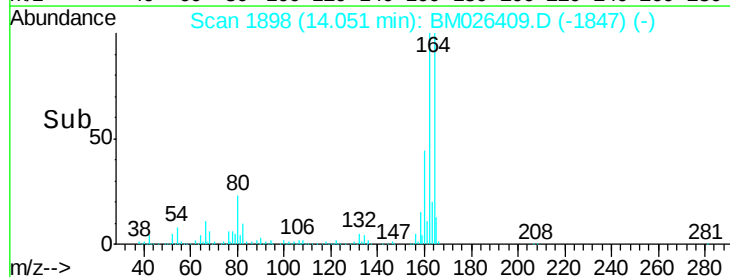


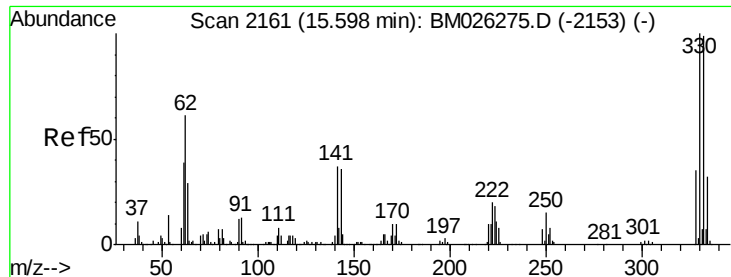
Abundance Ion 164.00 (163.70 to 164.70): BM026275.D (-1898) (-)

Ion 162.00 (161.70 to 162.70): BM026275.D (-1898) (-)

Ion 160.00 (159.70 to 160.70): BM026275.D (-1898) (-)

Time-->





#42

2,4,6-Tribromophenol

Concen: 145.902 ng

RT: 15.56 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BM026409.D

Acq: 16 Jun 2020 10:59

Instrument :

BNA\_M

ClientSampleId :

PB129537BL

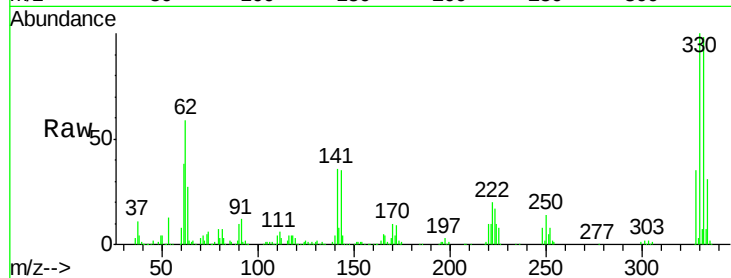
Tot Ion:330 Resp: 433786

Ion Ratio Lower Upper

330 100

332 96.9 77.7 116.5

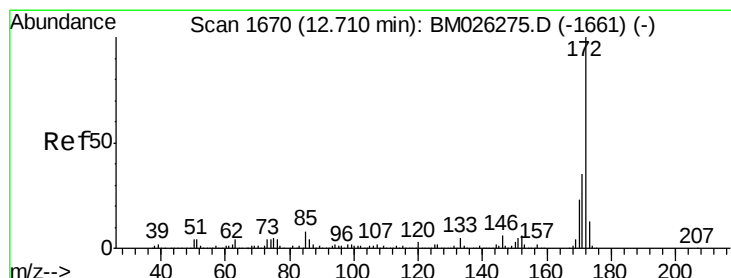
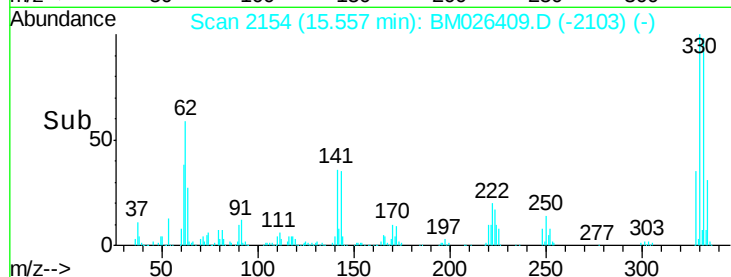
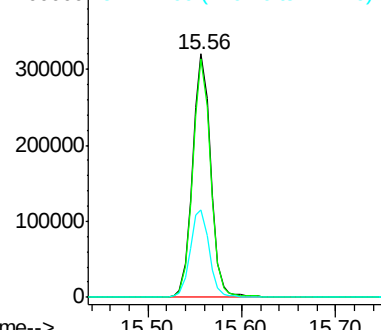
141 37.5 29.7 44.5



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: 93.898 ng

RT: 12.66 min Scan# 1662

Delta R.T. -0.00 min

Lab File: BM026409.D

Acq: 16 Jun 2020 10:59

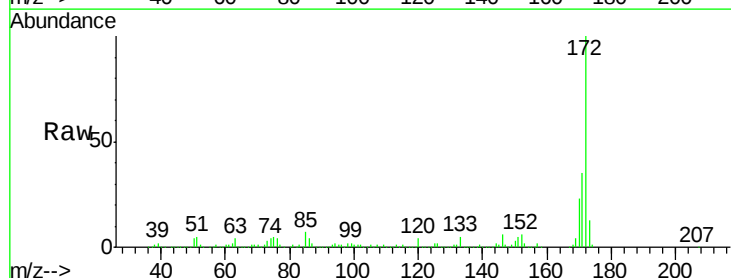
Tgt Ion:172 Resp: 1518246

Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.8

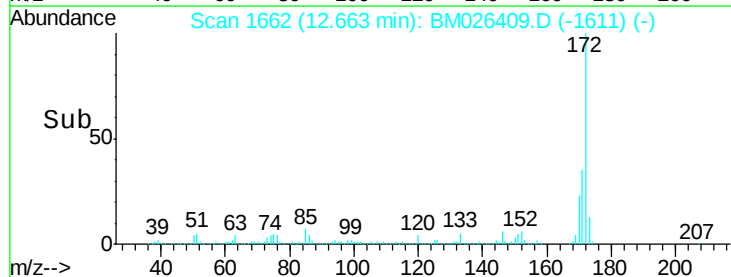
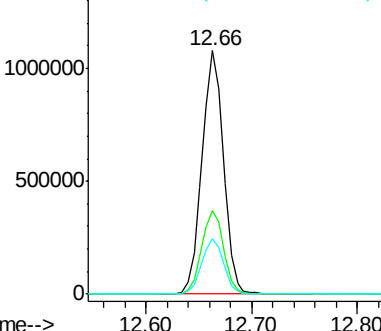
170 22.7 18.2 27.4

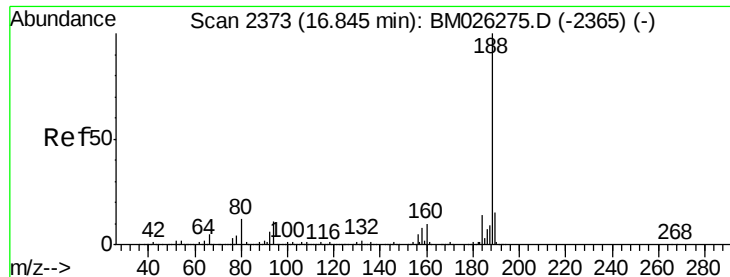


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

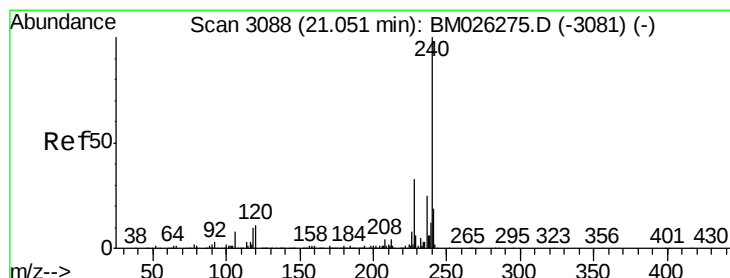
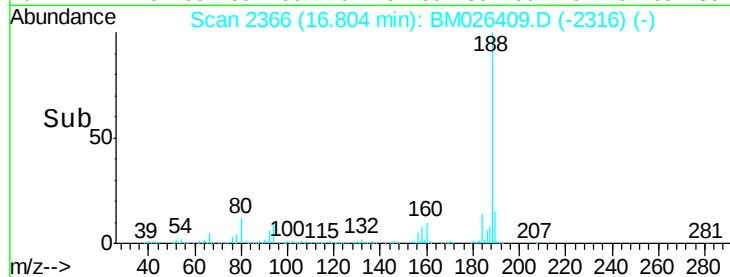
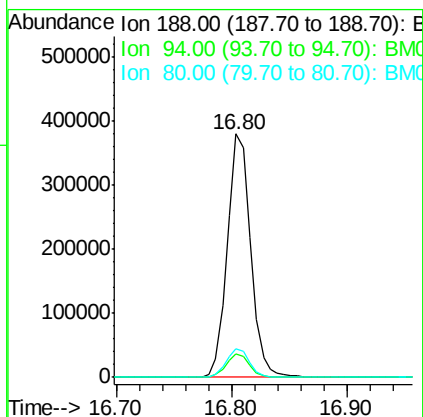
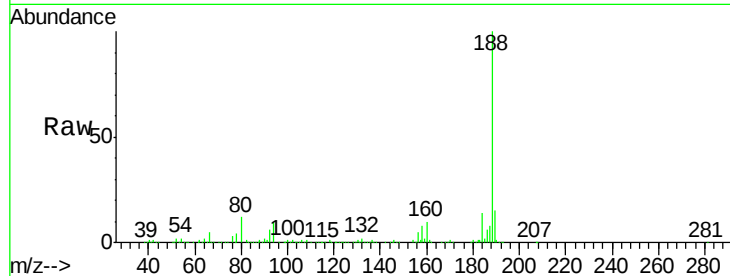




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.80 min Scan# 2366  
Delta R.T. -0.01 min  
Lab File: BM026409.D  
Acq: 16 Jun 2020 10:59

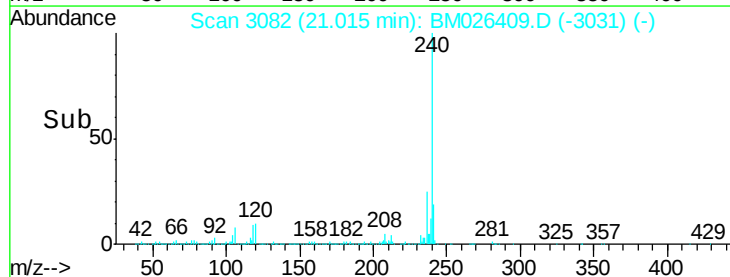
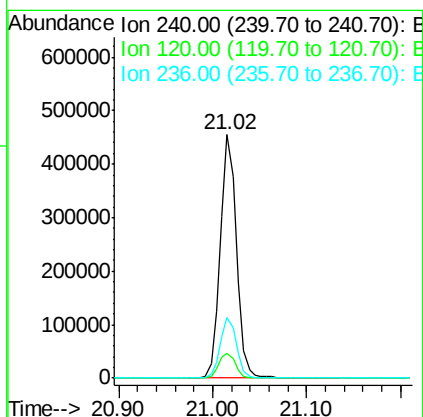
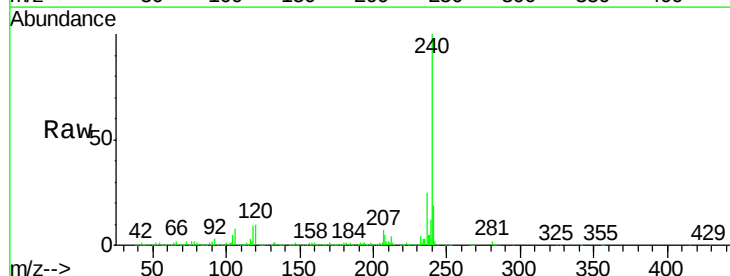
Instrument :  
BNA\_M  
ClientSampleId :  
PB129537BL

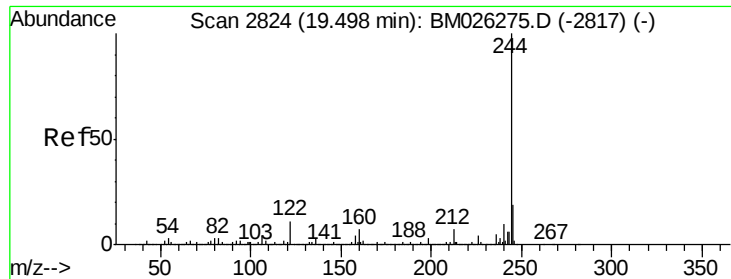
Tot Ion:188 Resp: 534075  
Ion Ratio Lower Upper  
188 100  
94 9.9 7.8 11.6  
80 12.0 9.5 14.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.02 min Scan# 3082  
Delta R.T. -0.00 min  
Lab File: BM026409.D  
Acq: 16 Jun 2020 10:59

Tgt Ion:240 Resp: 551323  
Ion Ratio Lower Upper  
240 100  
120 10.2 9.3 13.9  
236 25.1 19.4 29.0





#79

Terphenyl-d14

Concen: 95.326 ng

RT: 19.46 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BM026409.D

Acq: 16 Jun 2020 10:59

Instrument :

BNA\_M

ClientSampleId :

PB129537BL

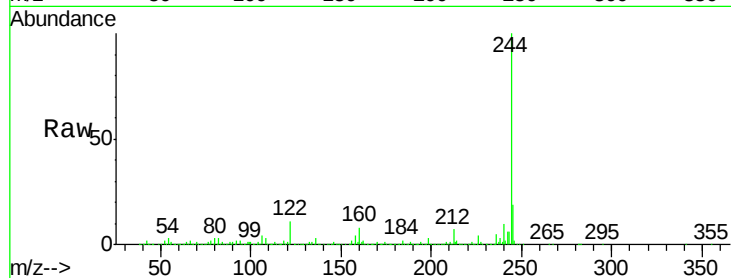
Tot Ion:244 Resp: 2707388

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

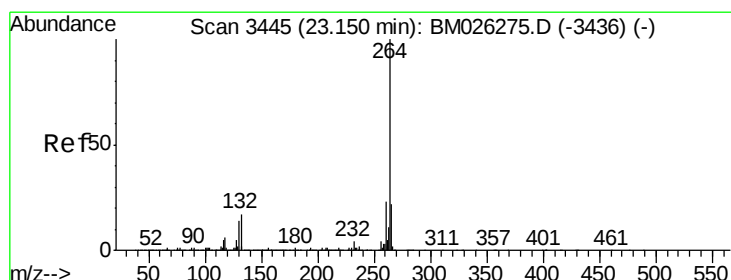
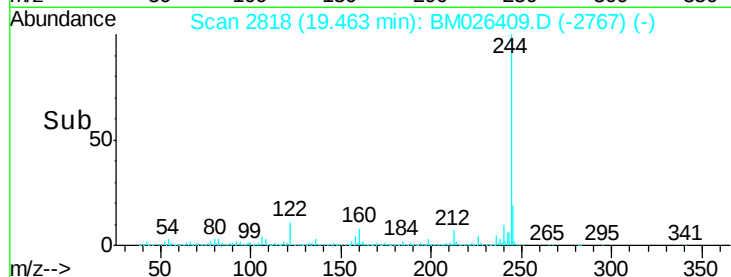
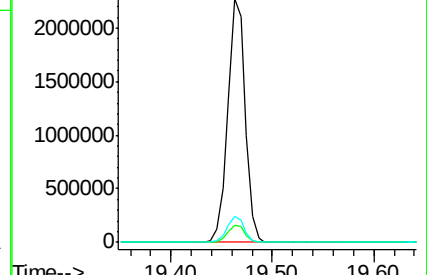
122 10.7 8.6 13.0



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: 23.11 min Scan# 3438

Delta R.T. -0.00 min

Lab File: BM026409.D

Acq: 16 Jun 2020 10:59

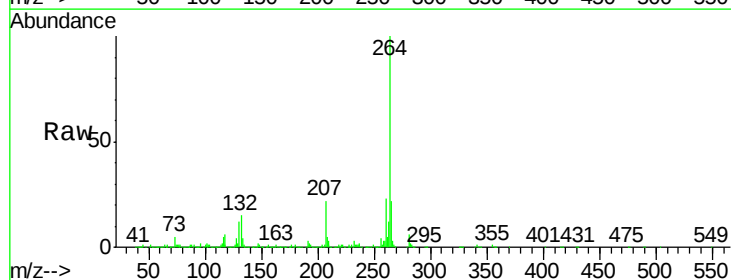
Tgt Ion:264 Resp: 585158

Ion Ratio Lower Upper

264 100

260 22.6 18.6 28.0

265 22.3 17.8 26.6



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

