

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022819\  
 Data File : BM018969.D  
 Acq On : 28 Feb 2019 15:02  
 Operator : JU/SJ  
 Sample : K1631-09  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CONCRETE-1

Quant Time: Mar 01 01:23:43 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

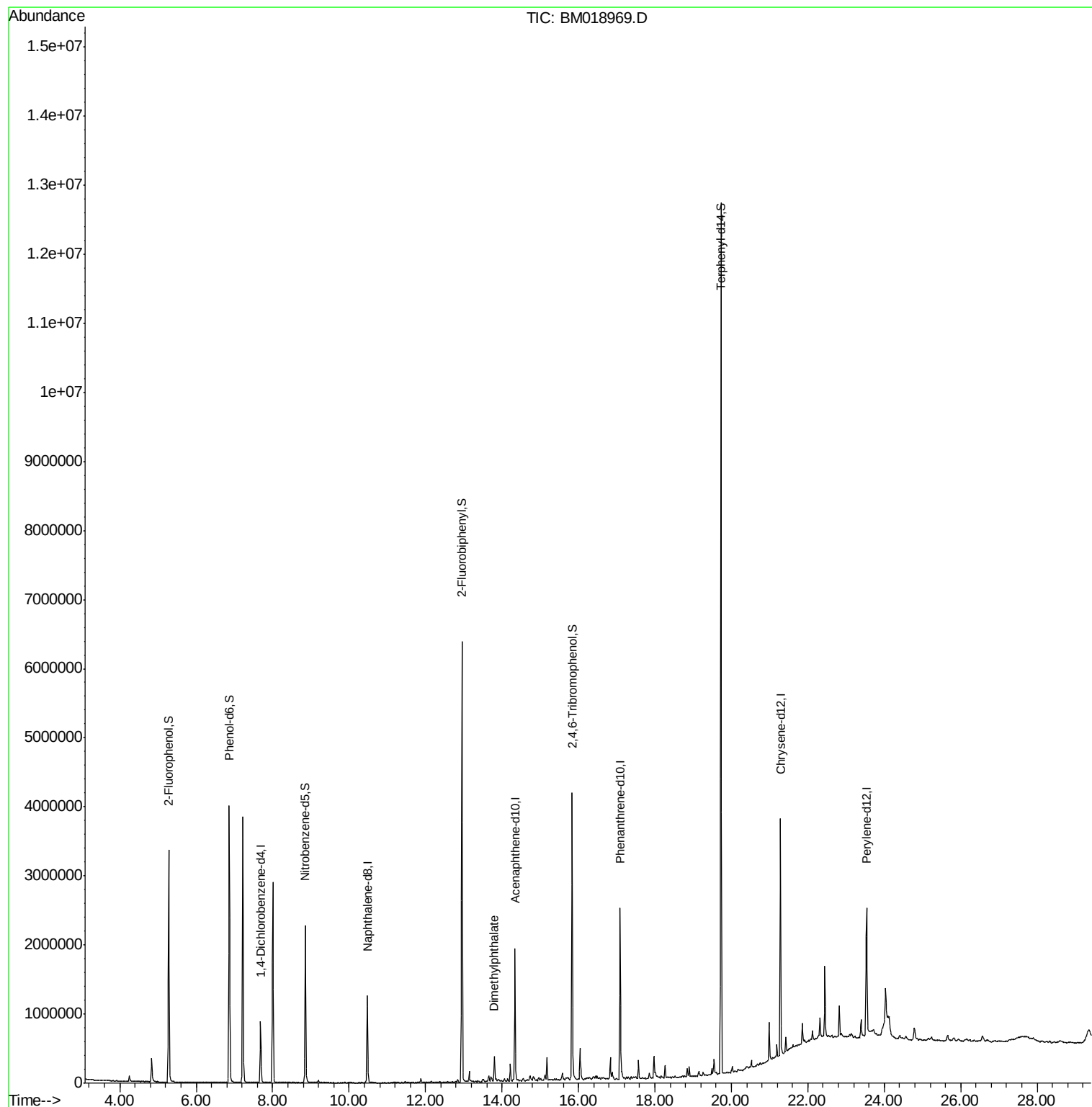
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 233723   | 20.00  | ng    | -0.03     |
| 21) Naphthalene-d8          | 10.47 | 136  | 1008615  | 20.00  | ng    | -0.03     |
| 39) Acenaphthene-d10        | 14.34 | 164  | 593765   | 20.00  | ng    | -0.02     |
| 64) Phenanthrene-d10        | 17.09 | 188  | 1358542  | 20.00  | ng    | -0.02     |
| 76) Chrysene-d12            | 21.29 | 240  | 1449083  | 20.00  | ng    | -0.02     |
| 87) Perylene-d12            | 23.54 | 264  | 1297834  | 20.00  | ng    | -0.03     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1408178  | 98.72  | ng    | -0.02     |
| 7) Phenol-d6                | 6.86  | 99   | 2318649  | 115.38 | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 8.86  | 82   | 1515457  | 69.47  | ng    | -0.03     |
| 42) 2,4,6-Tribromophenol    | 15.84 | 330  | 743470   | 86.86  | ng    | -0.02     |
| 45) 2-Fluorobiphenyl        | 12.95 | 172  | 3202381  | 71.60  | ng    | -0.03     |
| 79) Terphenyl-d14           | 19.73 | 244  | 5370410  | 76.45  | ng    | -0.02     |
| Target Compounds            |       |      |          |        |       |           |
| 50) Dimethylphthalate       | 13.80 | 163  | 194184   | 3.924  | ng    | Qvalue 99 |

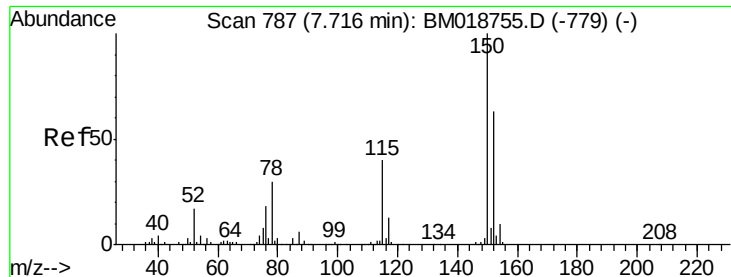
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 11 16:02:12 2019  
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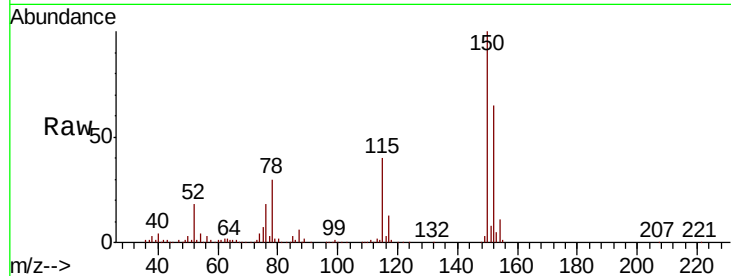


#1

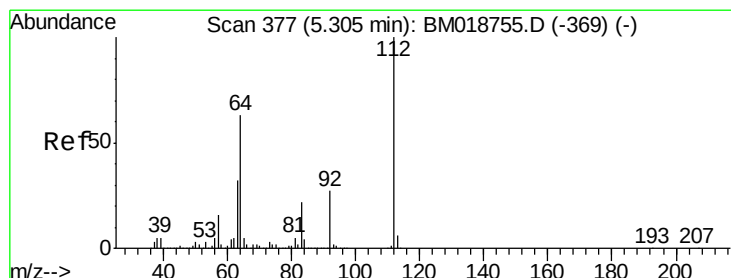
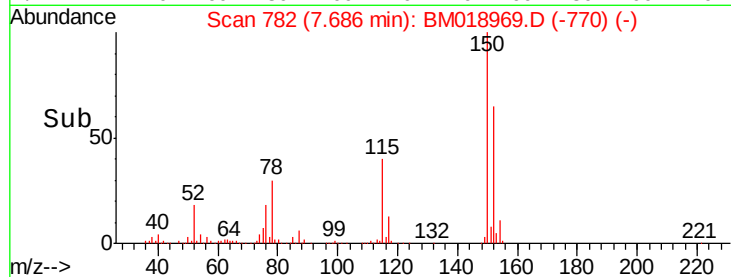
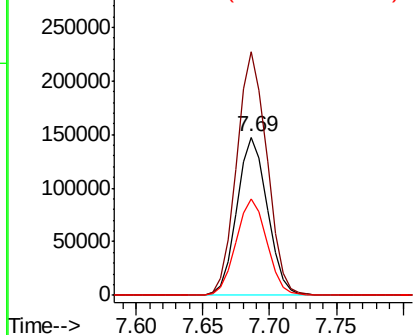
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.69 min Scan# 782  
Delta R.T. -0.03 min  
Lab File: BM018969.D  
Acq: 28 Feb 2019 15:02

Instrument :  
BNA\_M  
ClientSampleId :  
CONCRETE-1

Tot Ion:152 Resp: 233723  
Ion Ratio Lower Upper  
152 100  
150 154.0 127.3 190.9  
115 60.9 50.8 76.2



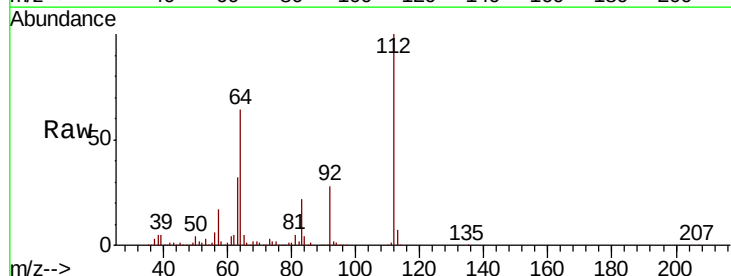
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



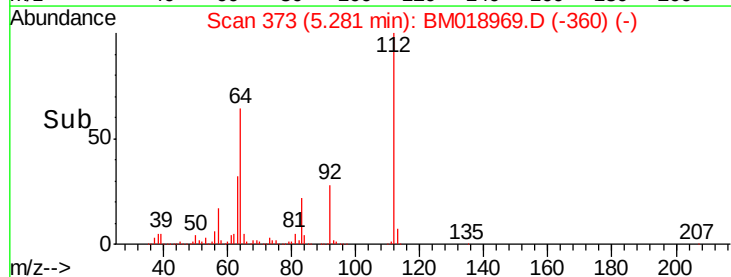
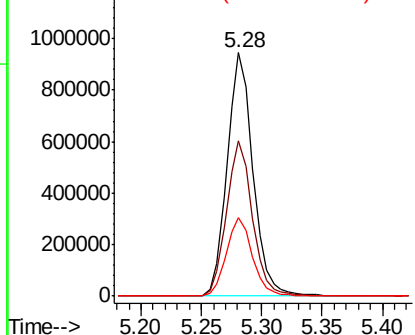
#5

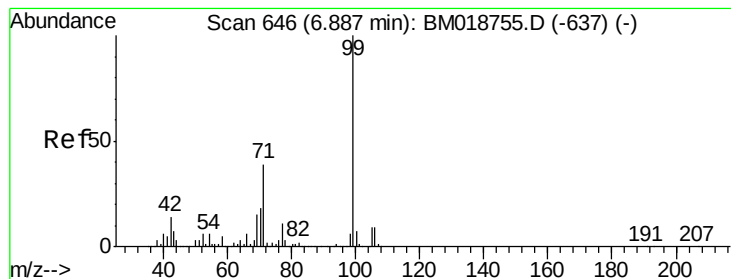
2-Fluorophenol  
Concen: 98.718 ng  
RT: 5.28 min Scan# 373  
Delta R.T. -0.02 min  
Lab File: BM018969.D  
Acq: 28 Feb 2019 15:02

Tgt Ion:112 Resp: 1408178  
Ion Ratio Lower Upper  
112 100  
64 63.6 50.6 75.8  
63 32.4 25.7 38.5



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: 115.382 ng

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: BM018969.D

Acq: 28 Feb 2019 15:02

Instrument :

BNA\_M

ClientSampleId :

CONCRETE-1

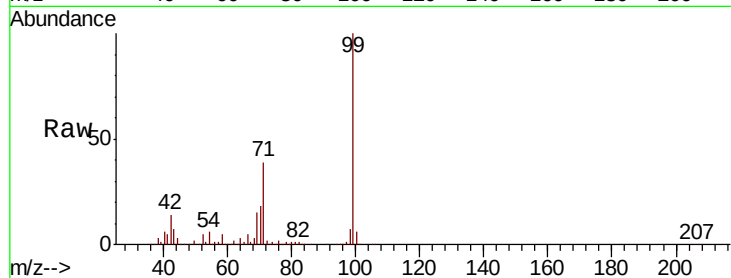
Tot Ion: 99 Resp: 2318649

Ion Ratio Lower Upper

99 100

42 13.9 11.0 16.6

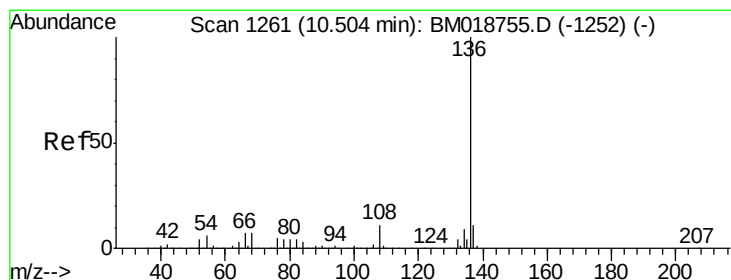
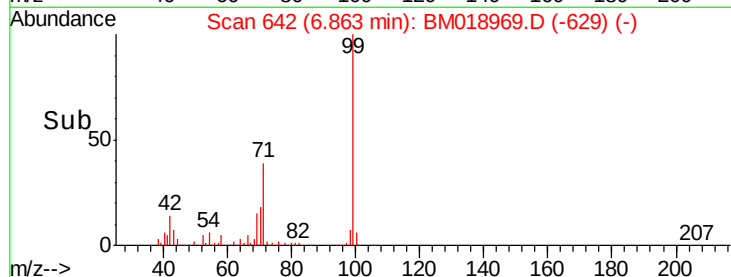
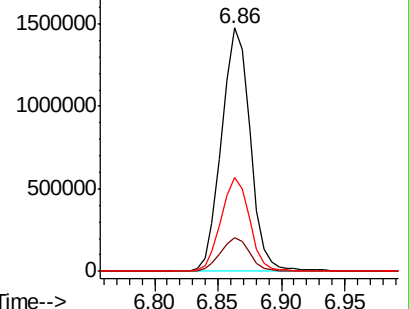
71 38.8 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.47 min Scan# 1256

Delta R.T. -0.03 min

Lab File: BM018969.D

Acq: 28 Feb 2019 15:02

Tgt Ion: 136 Resp: 1008615

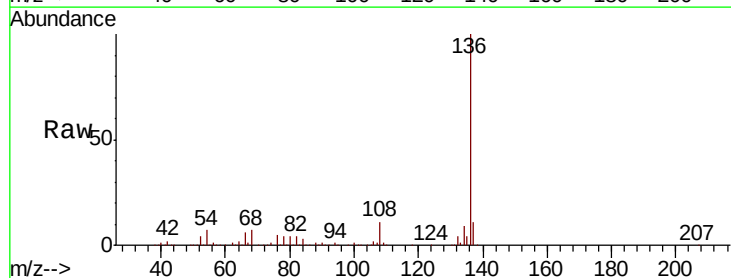
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.1 5.0 7.6

68 7.0 5.5 8.3

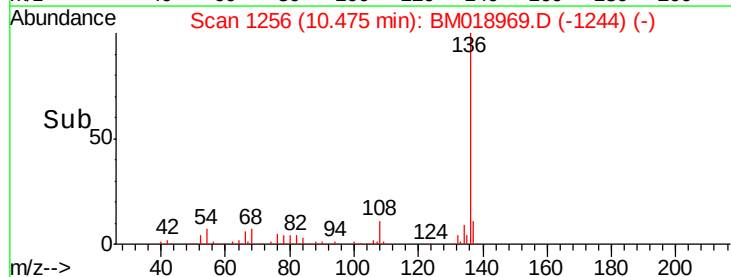
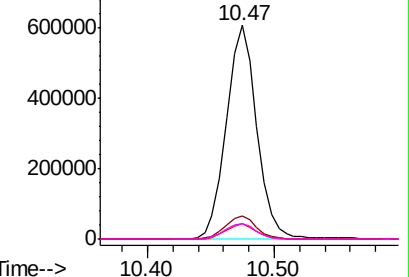


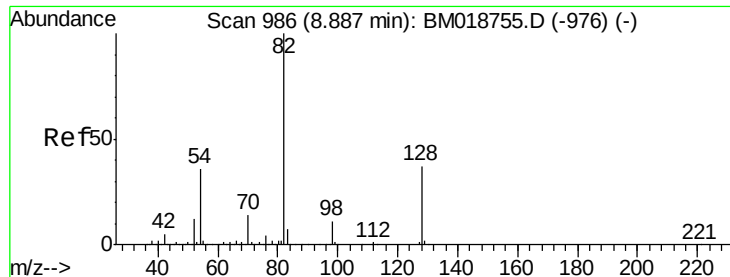
Abundance Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)

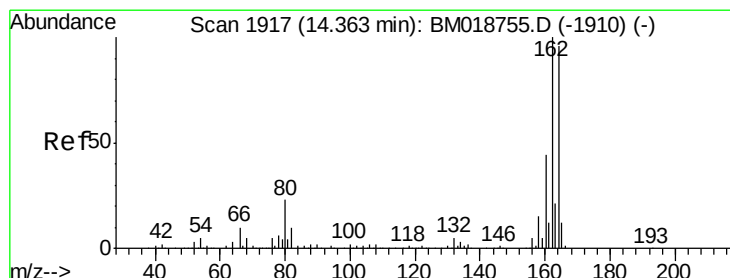
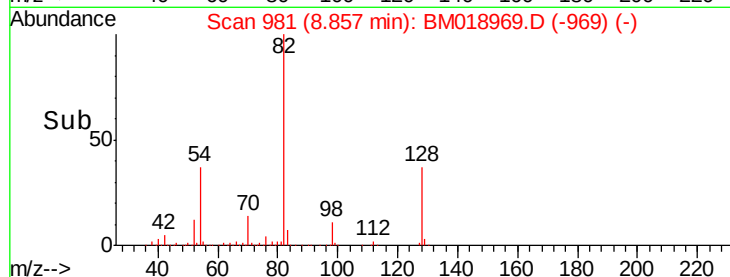
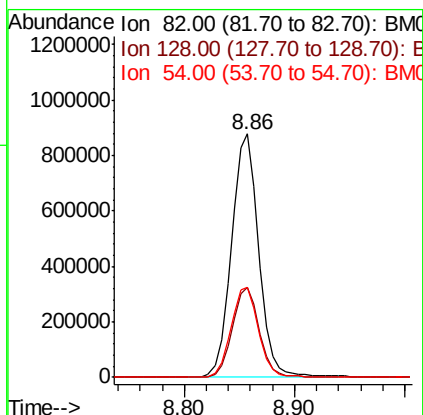
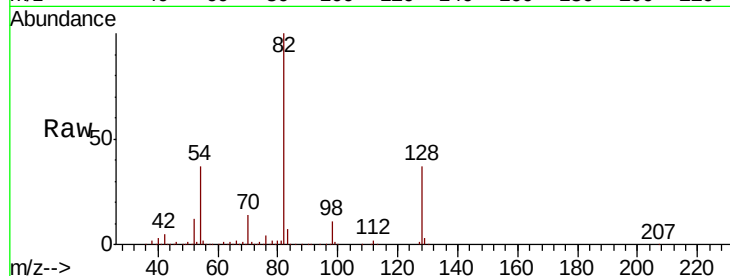




#23  
Nitrobenzene-d5  
Concen: 69.474 ng  
RT: 8.86 min Scan# 981  
Delta R.T. -0.03 min  
Lab File: BM018969.D  
Acq: 28 Feb 2019 15:02

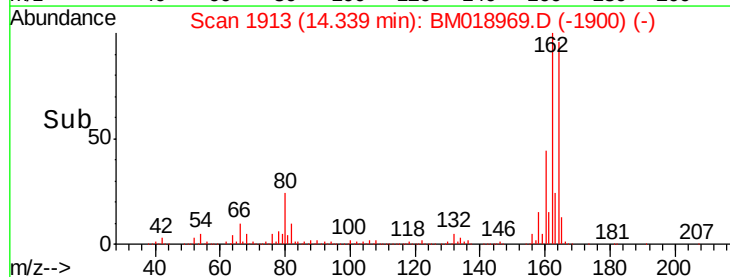
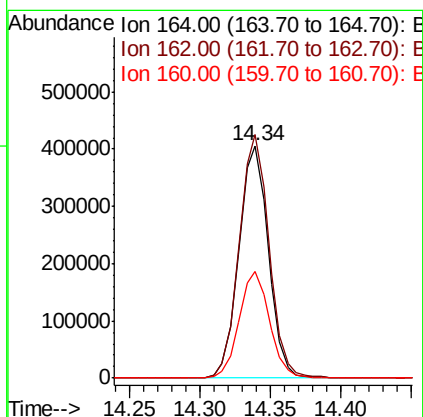
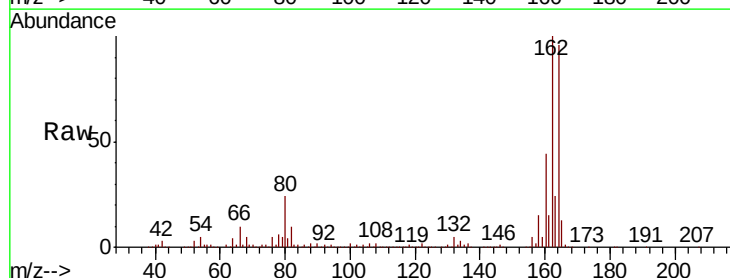
Instrument :  
BNA\_M  
ClientSampleId :  
CONCRETE-1

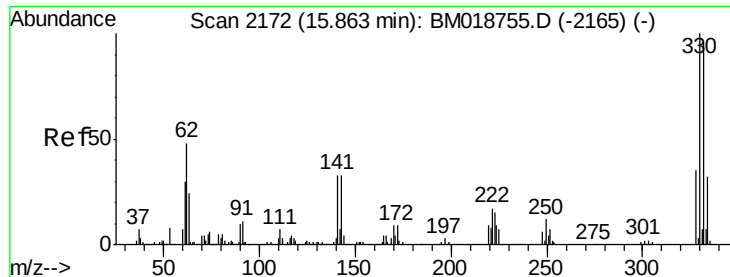
Tot Ion: 82 Resp: 1515457  
Ion Ratio Lower Upper  
82 100  
128 36.7 29.9 44.9  
54 37.2 29.1 43.7



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.34 min Scan# 1913  
Delta R.T. -0.02 min  
Lab File: BM018969.D  
Acq: 28 Feb 2019 15:02

Tgt Ion: 164 Resp: 593765  
Ion Ratio Lower Upper  
164 100  
162 104.7 83.4 125.0  
160 46.1 36.6 55.0





#42

2,4,6-Tribromophenol

Concen: 86.865 ng

RT: 15.84 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BM018969.D

Acq: 28 Feb 2019 15:02

Instrument :

BNA\_M

ClientSampleId :

CONCRETE-1

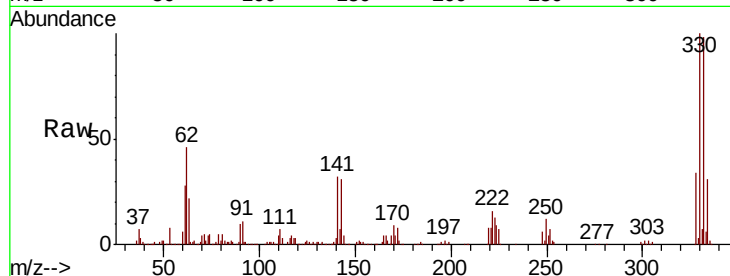
Tot Ion:330 Resp: 743470

Ion Ratio Lower Upper

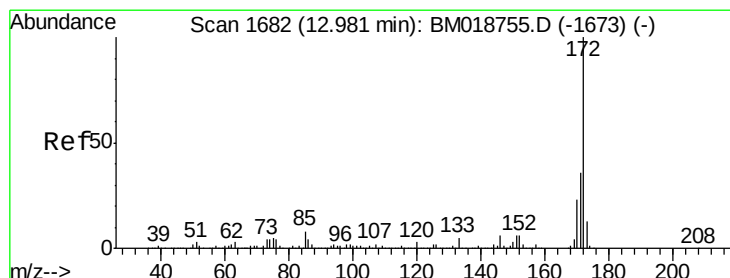
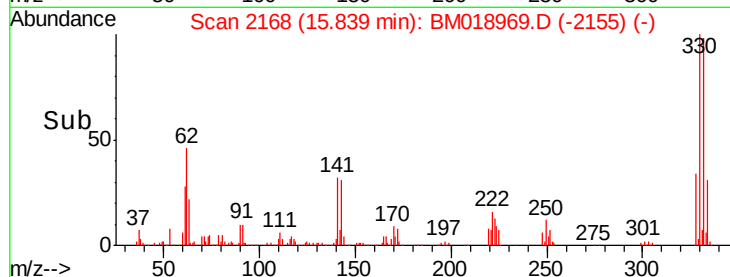
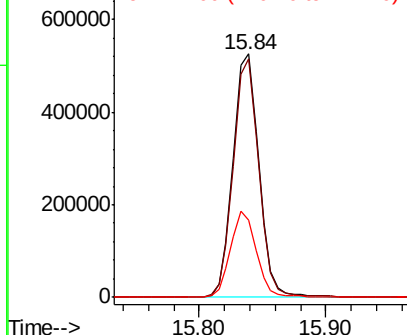
330 100

332 96.7 76.9 115.3

141 35.6 28.7 43.1



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: 71.595 ng

RT: 12.95 min Scan# 1677

Delta R.T. -0.03 min

Lab File: BM018969.D

Acq: 28 Feb 2019 15:02

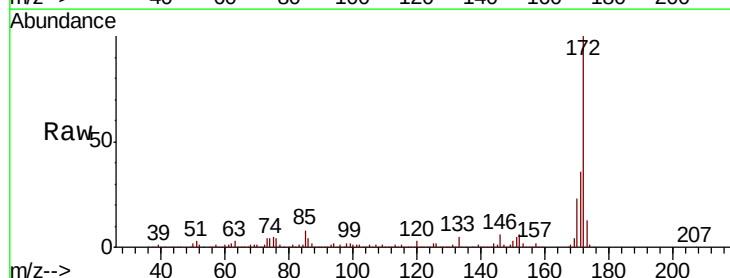
Tgt Ion:172 Resp: 3202381

Ion Ratio Lower Upper

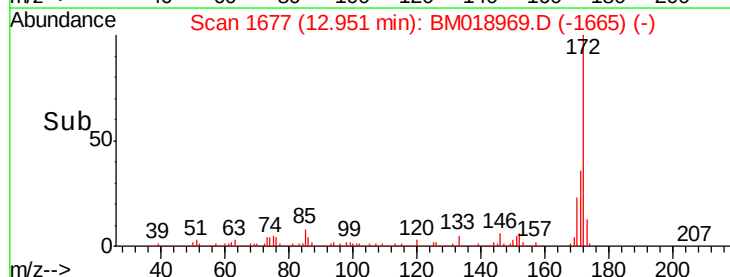
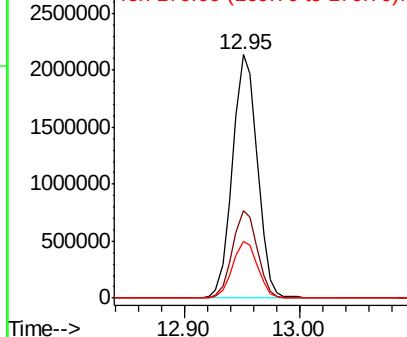
172 100

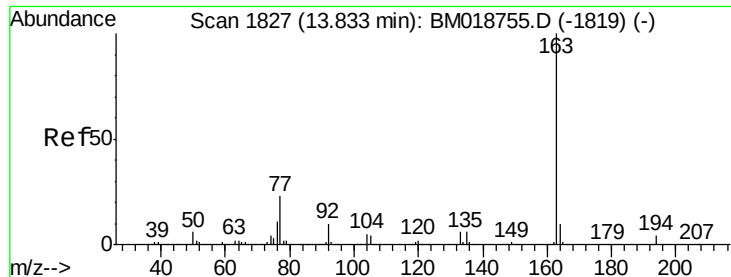
171 35.8 29.0 43.6

170 23.5 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

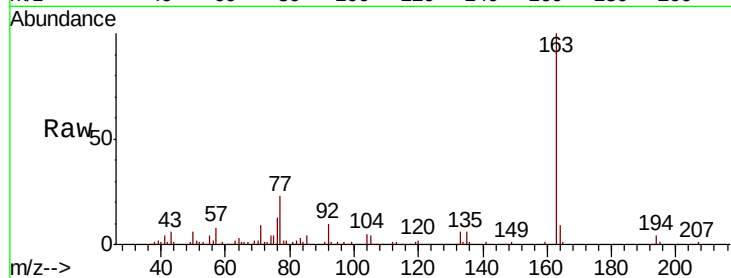




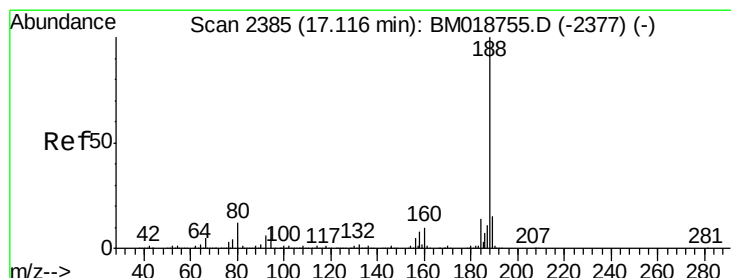
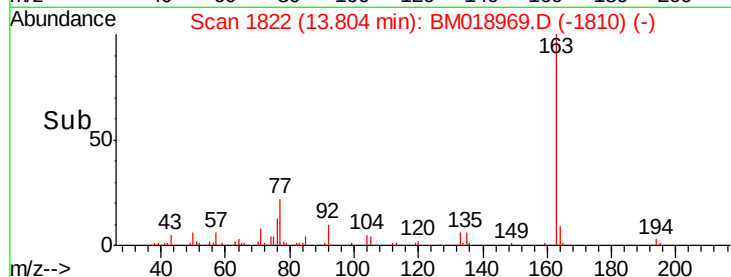
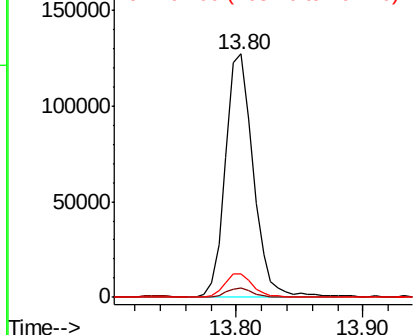
#50  
Dimethylphthalate  
Concen: 3.924 ng  
RT: 13.80 min Scan# 1822  
Delta R.T. -0.03 min  
Lab File: BM018969.D  
Acq: 28 Feb 2019 15:02

Instrument :  
BNA\_M  
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CONCRETE-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.0   | 3.2   | 4.8   |
| 164     | 9.5   | 7.8   | 11.8  |

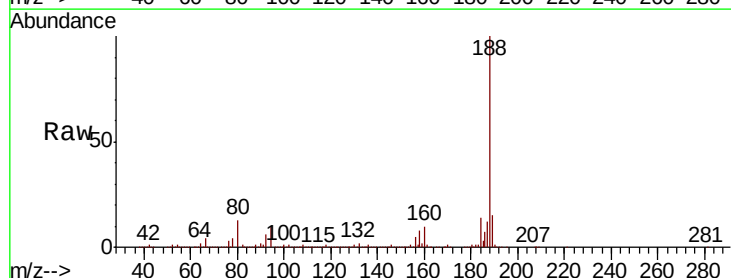


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

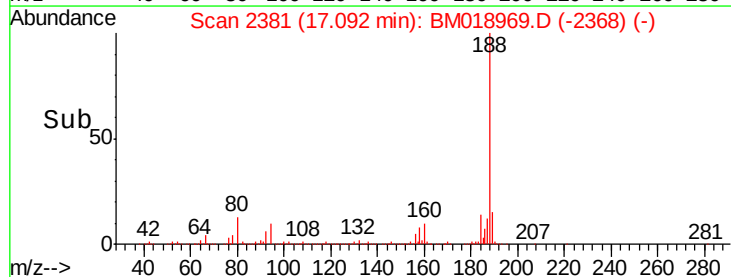
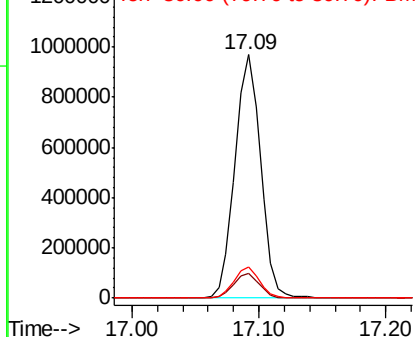


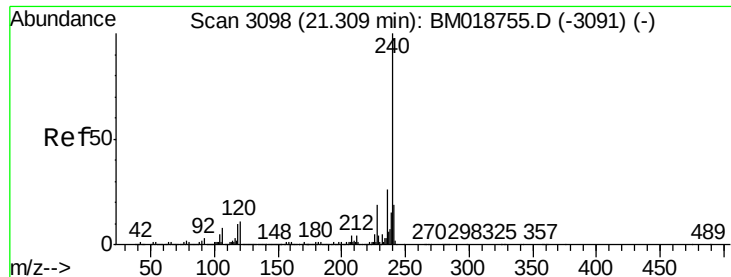
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.09 min Scan# 2381  
Delta R.T. -0.02 min  
Lab File: BM018969.D  
Acq: 28 Feb 2019 15:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.4  | 8.2   | 12.2  |
| 80      | 12.6  | 9.7   | 14.5  |



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

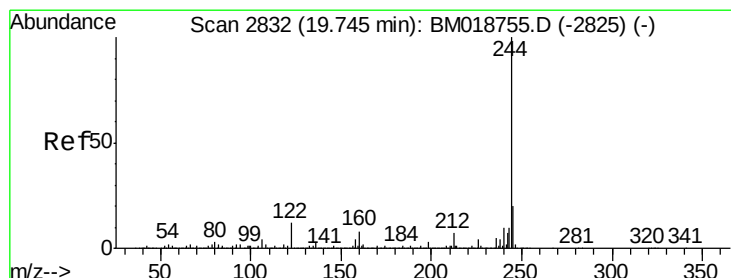
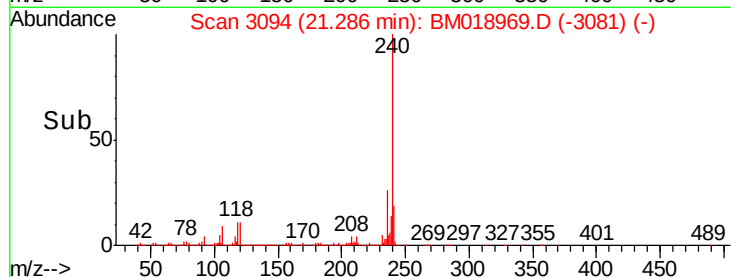
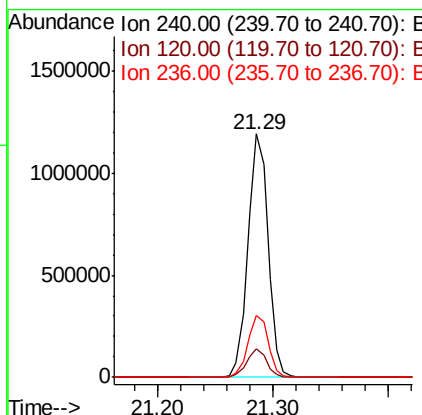
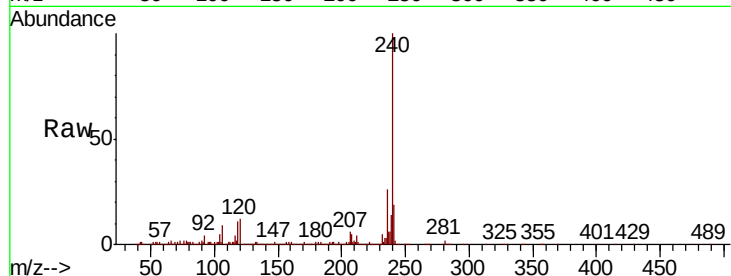




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.29 min Scan# 3094  
 Delta R.T. -0.02 min  
 Lab File: BM018969.D  
 Acq: 28 Feb 2019 15:02

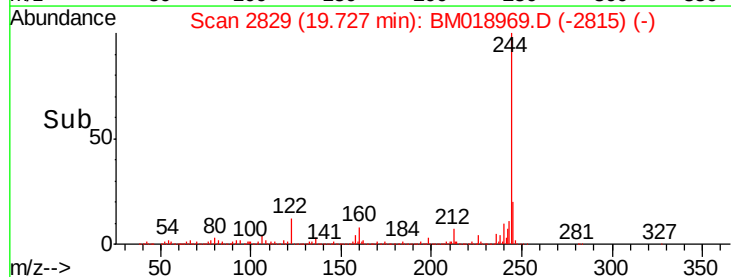
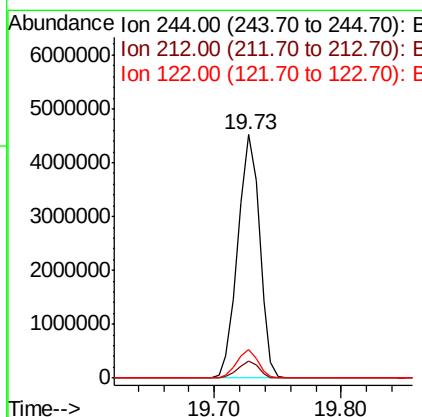
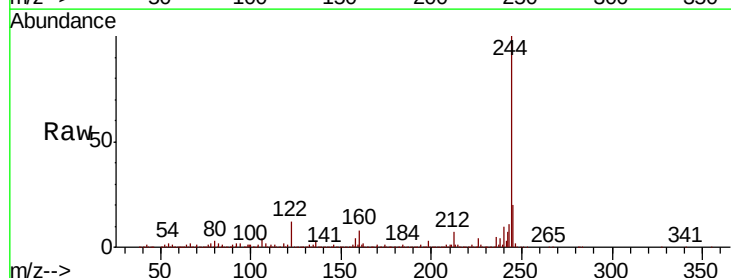
Instrument :  
 BNA\_M  
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 CONCRETE-1

Tot Ion:240 Resp: 1449083  
 Ion Ratio Lower Upper  
 240 100  
 120 11.5 8.9 13.3  
 236 25.5 20.9 31.3

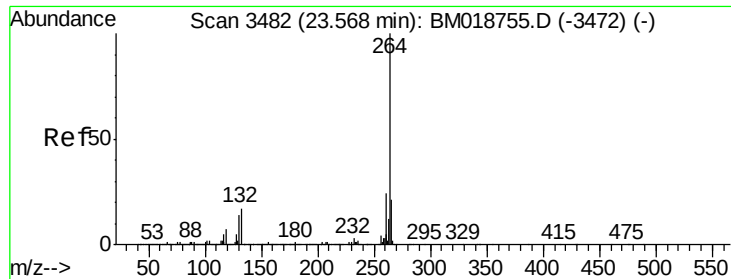


#79  
 Terphenyl-d14  
 Concen: 76.452 ng  
 RT: 19.73 min Scan# 2829  
 Delta R.T. -0.02 min  
 Lab File: BM018969.D  
 Acq: 28 Feb 2019 15:02

Tgt Ion:244 Resp: 5370410  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 11.6 9.3 13.9







#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.54 min Scan# 3477  
Delta R.T. -0.03 min  
Lab File: BM018969.D  
Acq: 28 Feb 2019 15:02

Instrument :  
BNA\_M  
ClientSampleId :  
CONCRETE-1

Tot Ion:264 Resp: 1297834  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 18.9  | 28.3  |
| 265 | 21.9  | 17.3  | 25.9  |

