

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081718\  
 Data File : BM016469.D  
 Acq On : 18 Aug 2018 12:16  
 Operator : SJ/JU  
 Sample : J4521-15  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 72-12003

Quant Time: Aug 20 01:53:08 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM081718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 17 16:27:00 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 7257     | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.87 | 136  | 27732    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.69 | 164  | 21322    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.44 | 188  | 59398    | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.58 | 240  | 88186    | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.89 | 264  | 104108   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 64381    | 149.09 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 72223    | 124.43 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 78337    | 117.64 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.19 | 330  | 65387    | 203.04 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 199292   | 97.19  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.03 | 244  | 673848   | 115.49 | ng    | 0.00     |

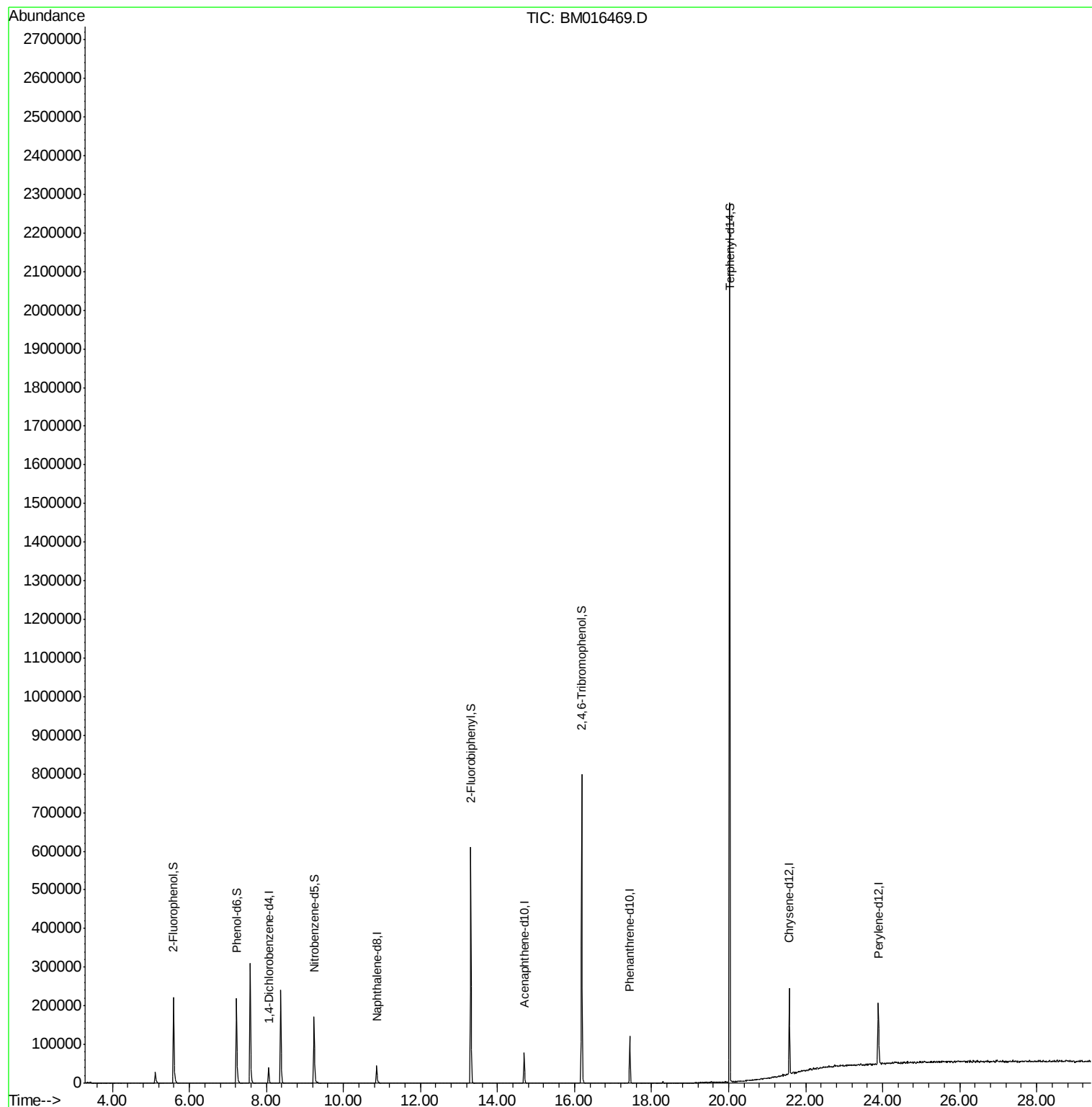
Target Compounds Qvalue

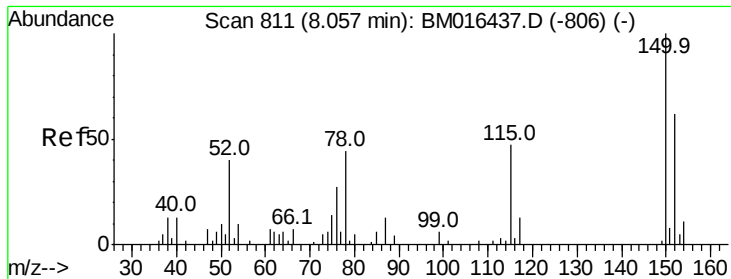
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



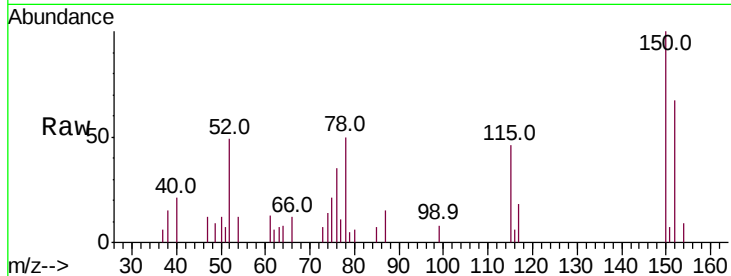


#1

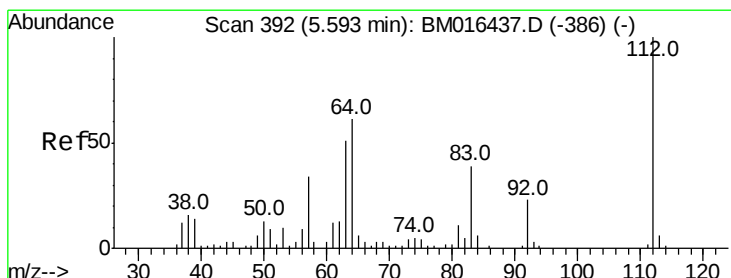
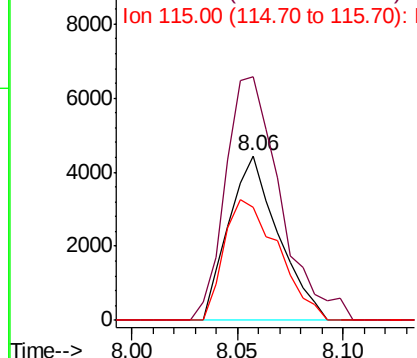
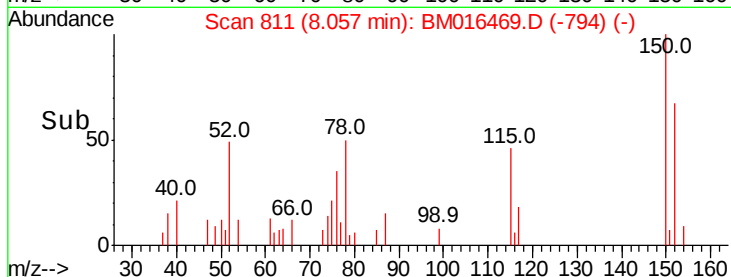
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.06 min Scan# 811  
 Delta R.T. 0.00 min  
 Lab File: BM016469.D  
 Acq: 18 Aug 2018 12:16

Instrument :  
 BNA\_M  
 ClientSampleId :  
 72-12003

Tot Ion:152 Resp: 7257  
 Ion Ratio Lower Upper  
 152 100  
 150 148.2 119.5 179.3  
 115 68.9 43.0 64.4#



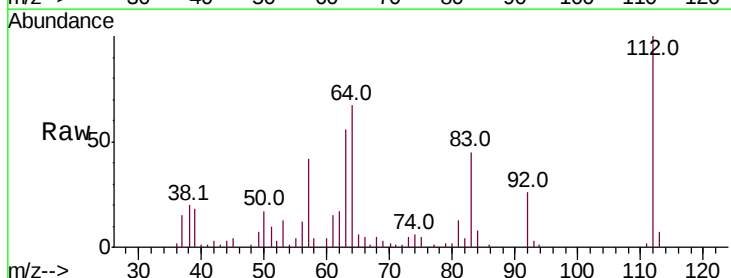
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



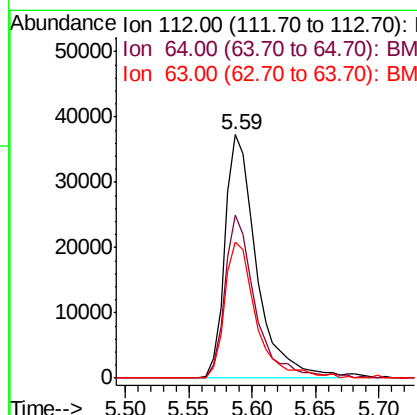
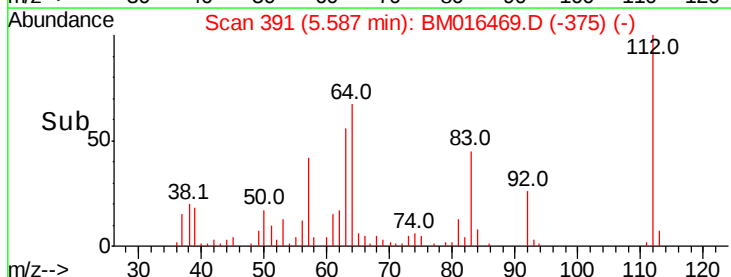
#5

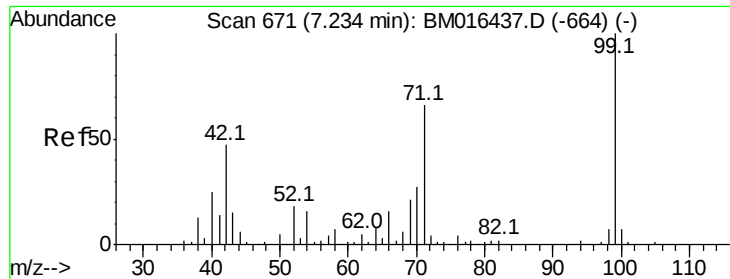
2-Fluorophenol  
 Concen: N.D. ng  
 RT: 5.59 min Scan# 391  
 Delta R.T. -0.01 min  
 Lab File: BM016469.D  
 Acq: 18 Aug 2018 12:16

Tgt Ion:112 Resp: 64381  
 Ion Ratio Lower Upper  
 112 100  
 64 66.7 38.6 57.8#  
 63 56.1 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BM  
 Ion 63.00 (62.70 to 63.70): BM





#7

Phenol-d6

Concen: N.D. ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BM016469.D

Acq: 18 Aug 2018 12:16

Instrument :

BNA\_M

ClientSampled :

72-12003

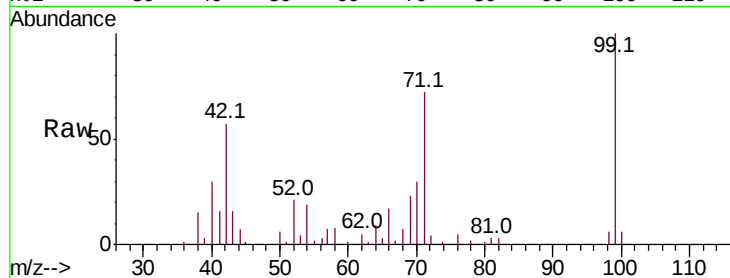
Tot Ion: 99 Resp: 72223

Ion Ratio Lower Upper

99 100

42 57.3 11.0 16.4#

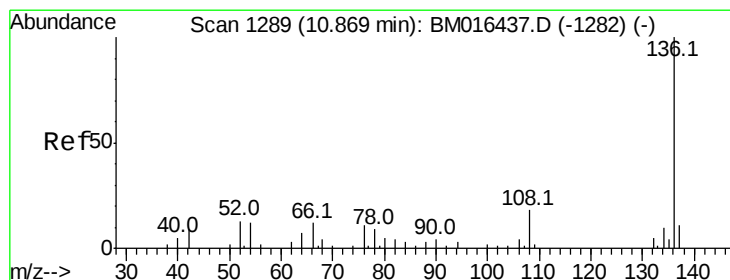
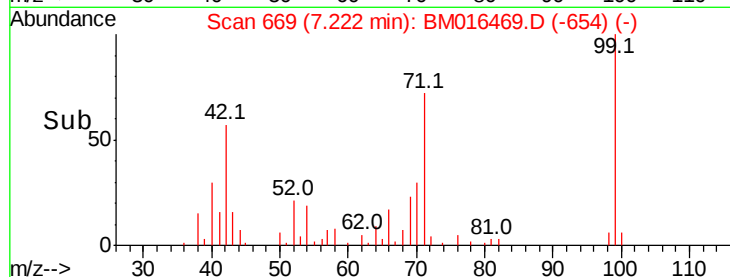
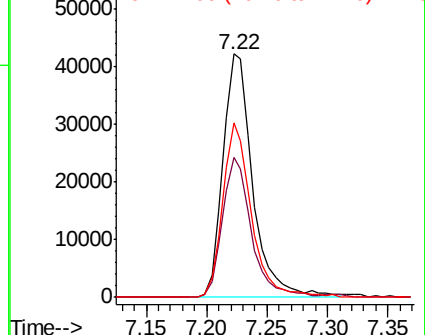
71 71.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016469.D (-654) (-)

Ion 42.00 (41.70 to 42.70): BM016469.D (-654) (-)

Ion 71.00 (70.70 to 71.70): BM016469.D (-654) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BM016469.D

Acq: 18 Aug 2018 12:16

Tgt Ion: 136 Resp: 27732

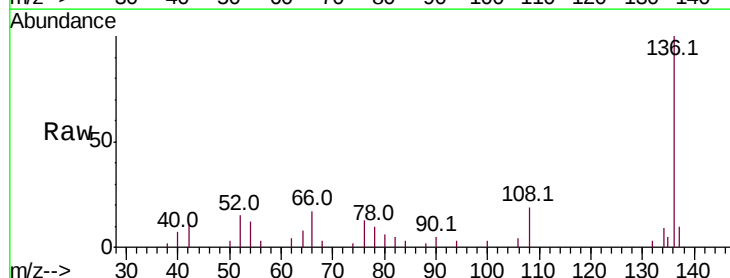
Ion Ratio Lower Upper

136 100

137 9.8 8.7 13.1

54 11.7 4.6 6.8#

68 2.9 3.7 5.5#

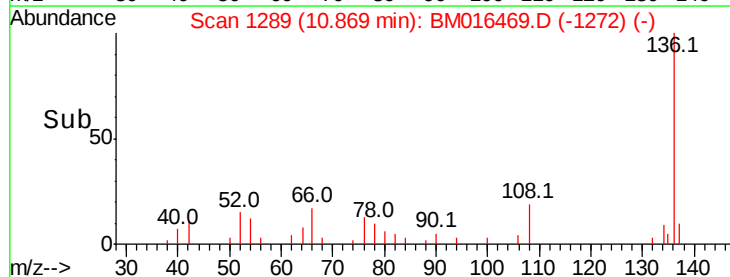
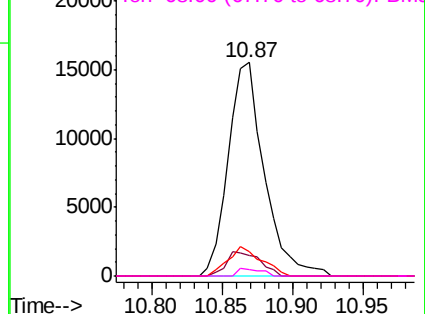


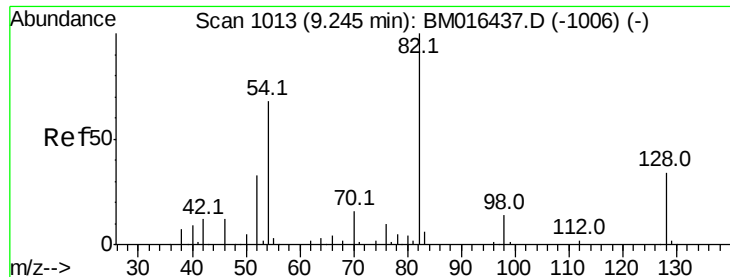
Abundance Ion 136.00 (135.70 to 136.70): BM016469.D (-1272) (-)

Ion 137.00 (136.70 to 137.70): BM016469.D (-1272) (-)

Ion 54.00 (53.70 to 54.70): BM016469.D (-1272) (-)

Ion 68.00 (67.70 to 68.70): BM016469.D (-1272) (-)

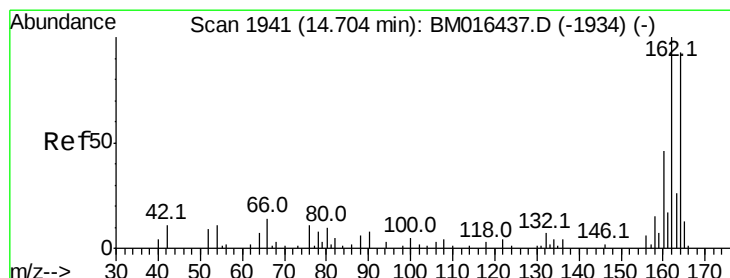
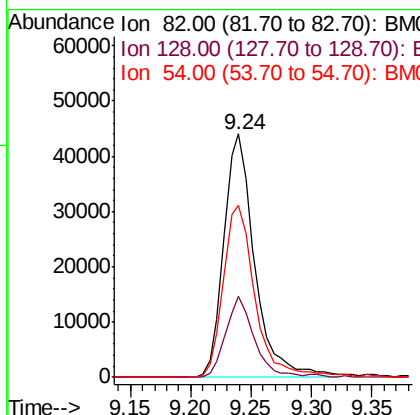
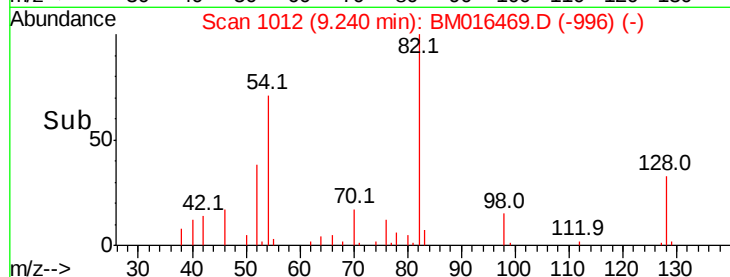
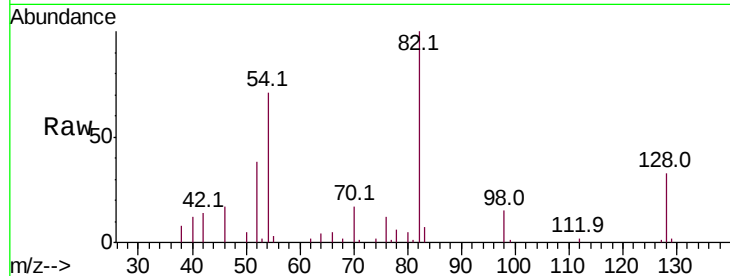




#23  
Nitrobenzene-d5  
Concen: N.D. ng  
RT: 9.24 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: BM016469.D  
Acq: 18 Aug 2018 12:16

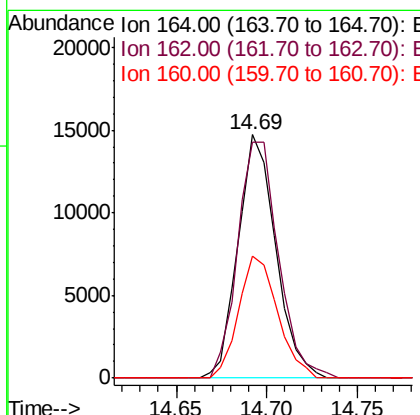
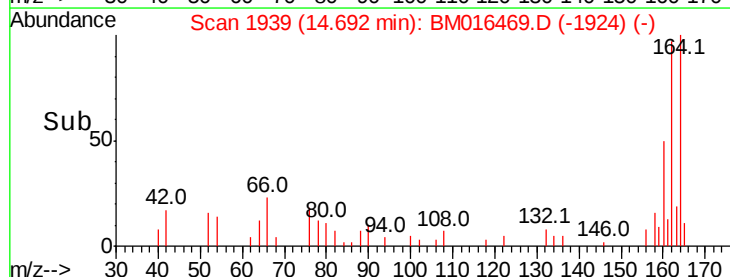
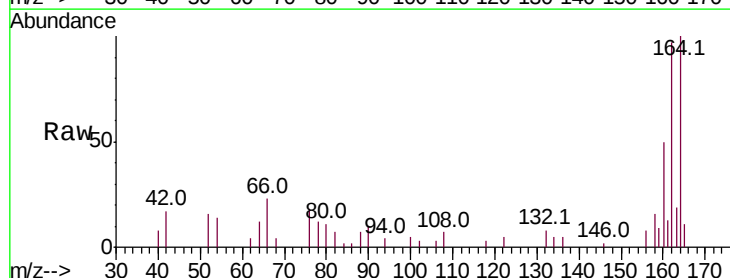
Instrument :  
BNA\_M  
ClientSampleId :  
72-12003

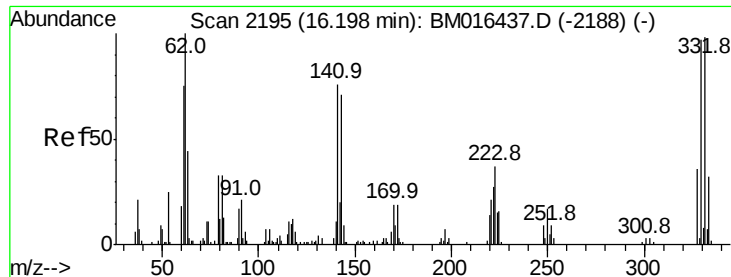
Tot Ion: 82 Resp: 78337  
Ion Ratio Lower Upper  
82 100  
128 33.1 32.8 49.2  
54 70.6 40.6 60.8#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.69 min Scan# 1939  
Delta R.T. -0.01 min  
Lab File: BM016469.D  
Acq: 18 Aug 2018 12:16

Tgt Ion:164 Resp: 21322  
Ion Ratio Lower Upper  
164 100  
162 97.0 82.4 123.6  
160 50.1 35.8 53.6

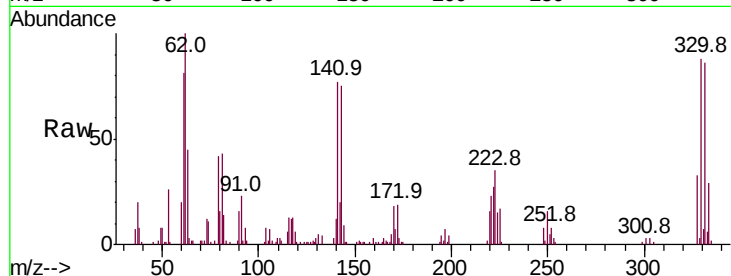




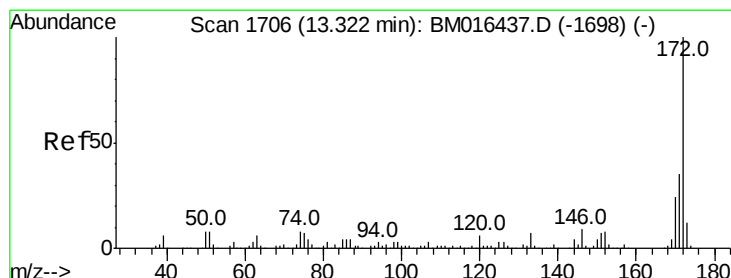
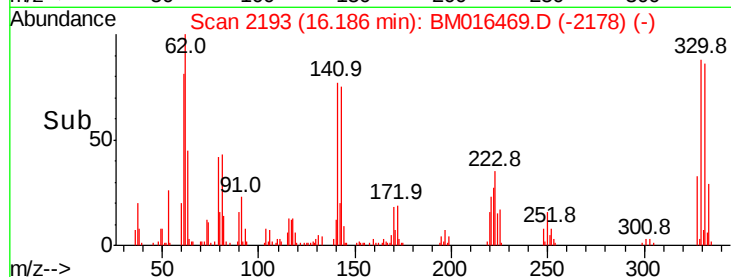
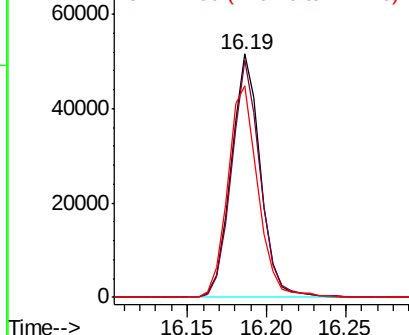
#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.19 min Scan# 2193  
 Delta R.T. -0.01 min  
 Lab File: BM016469.D  
 Acq: 18 Aug 2018 12:16

Instrument :  
 BNA\_M  
 ClientSampled :  
 72-12003

Tot Ion:330 Resp: 65387  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 0.0 0.0#  
 141 90.2 0.0 0.0#

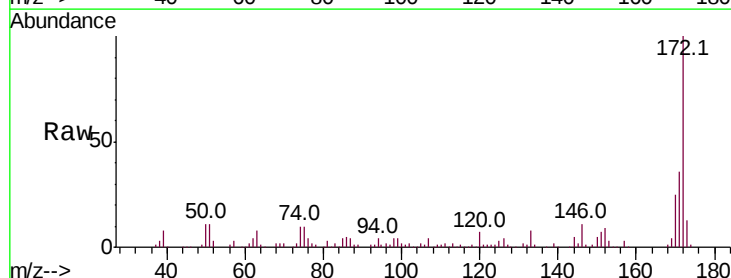


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

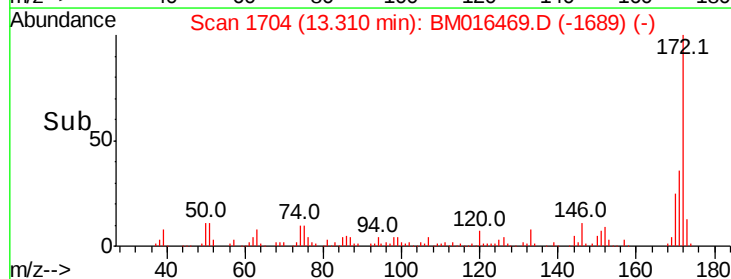
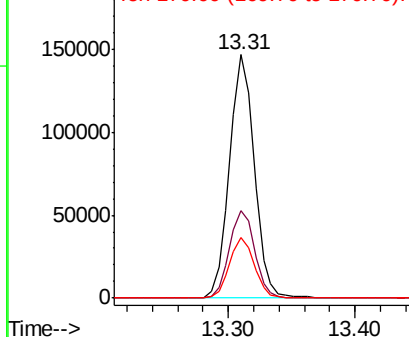


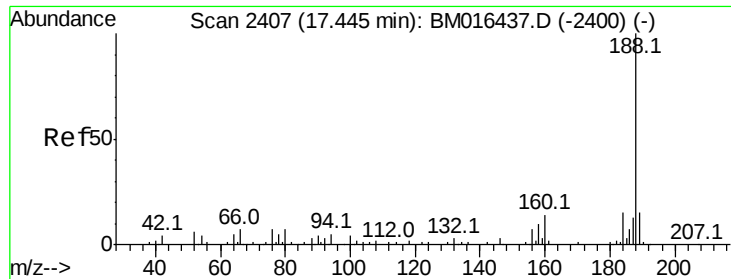
#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.31 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BM016469.D  
 Acq: 18 Aug 2018 12:16

Tgt Ion:172 Resp: 199292  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.5 42.7  
 170 24.9 18.8 28.2



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

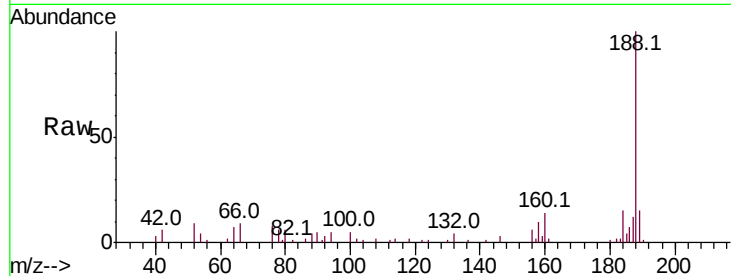




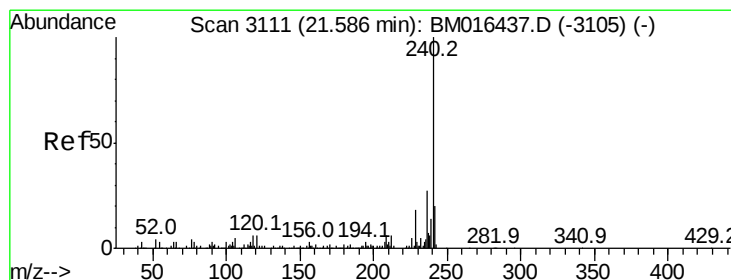
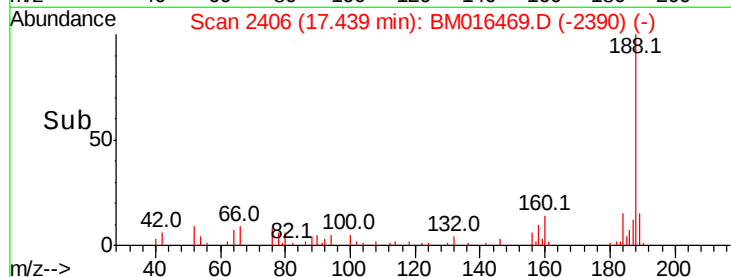
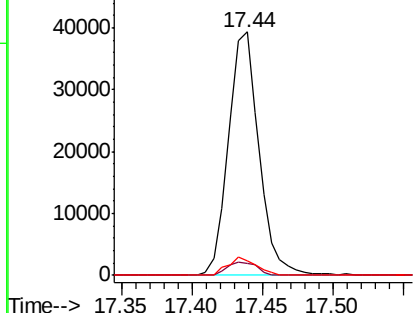
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.44 min Scan# 2406  
Delta R.T. -0.01 min  
Lab File: BM016469.D  
Acq: 18 Aug 2018 12:16

Instrument :  
BNA\_M  
ClientSampleId :  
72-12003

Tot Ion:188 Resp: 59398  
Ion Ratio Lower Upper  
188 100  
94 4.9 8.7 13.1#  
80 6.0 9.3 13.9#

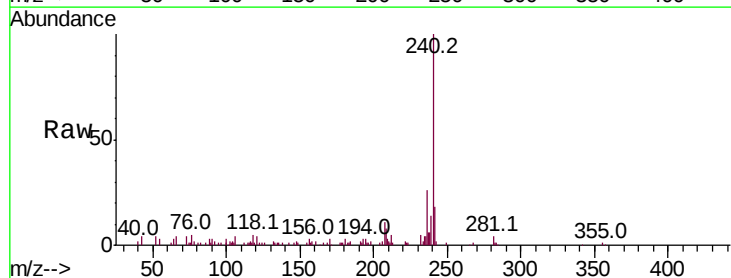


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

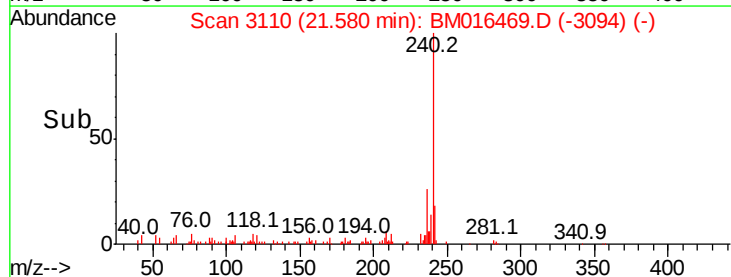
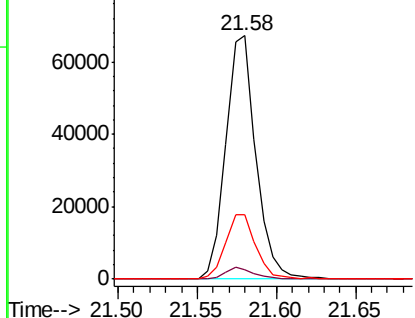


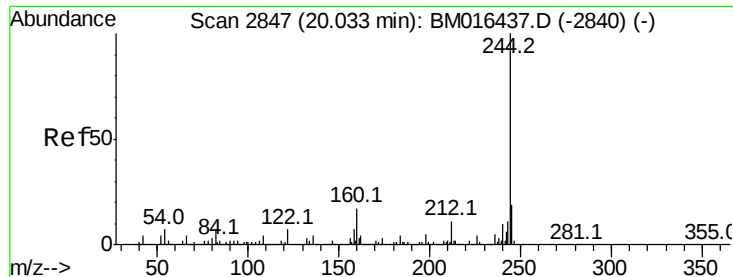
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.58 min Scan# 3110  
Delta R.T. -0.01 min  
Lab File: BM016469.D  
Acq: 18 Aug 2018 12:16

Tgt Ion:240 Resp: 88186  
Ion Ratio Lower Upper  
240 100  
120 3.7 8.2 12.2#  
236 26.5 20.0 30.0



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





#78

Terphenyl-d14

Concen: N.D. ng

RT: 20.03 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BM016469.D

Acq: 18 Aug 2018 12:16

Instrument :

BNA\_M

ClientSampleId :

72-12003

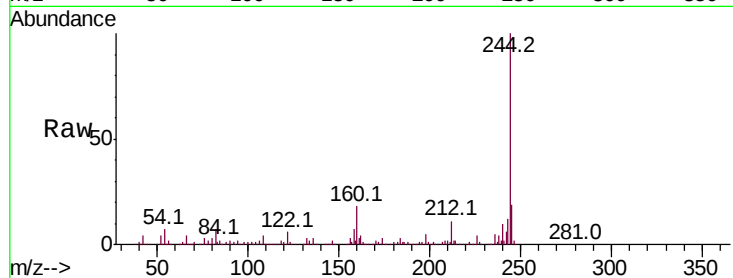
Tot Ion:244 Resp: 673848

Ion Ratio Lower Upper

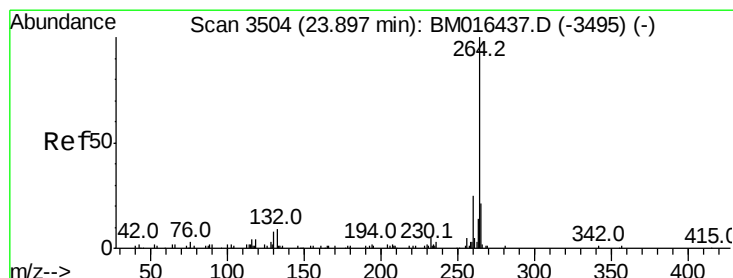
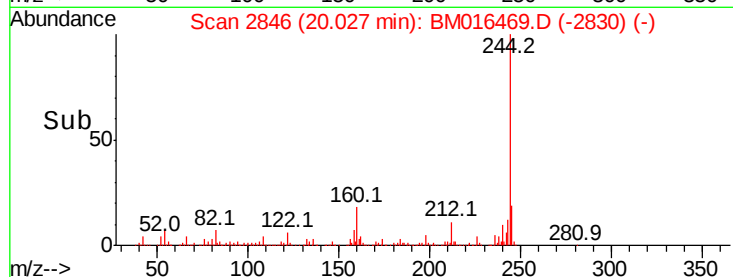
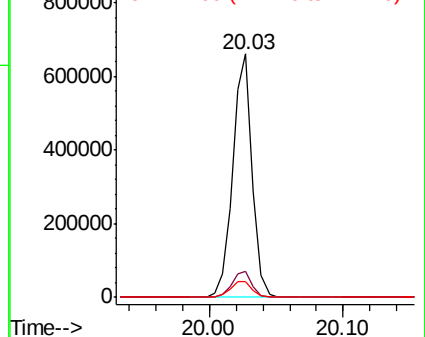
244 100

212 10.7 4.9 7.3#

122 6.3 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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.89 min Scan# 3502

Delta R.T. -0.01 min

Lab File: BM016469.D

Acq: 18 Aug 2018 12:16

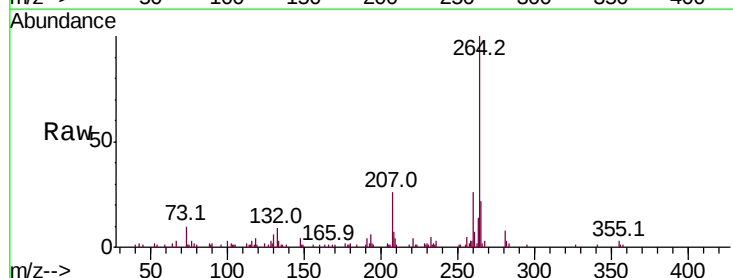
Tgt Ion:264 Resp: 104108

Ion Ratio Lower Upper

264 100

260 25.9 18.6 27.8

265 22.1 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

