

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081518\  
 Data File : BM016400.D  
 Acq On : 16 Aug 2018 04:24  
 Operator : SJ/JU  
 Sample : J4471-20  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-5

Quant Time: Aug 16 07:47:03 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 15 11:23:48 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 18597    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.92 | 136  | 64146    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.75 | 164  | 33795    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.48 | 188  | 75946    | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.62 | 240  | 77594    | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.94 | 264  | 83801    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 161461   | 144.22 | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 165003   | 112.86 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 168615   | 122.26 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 72231    | 168.52 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.36 | 172  | 329674   | 118.69 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.06 | 244  | 558227   | 150.60 | ng    | 0.00     |

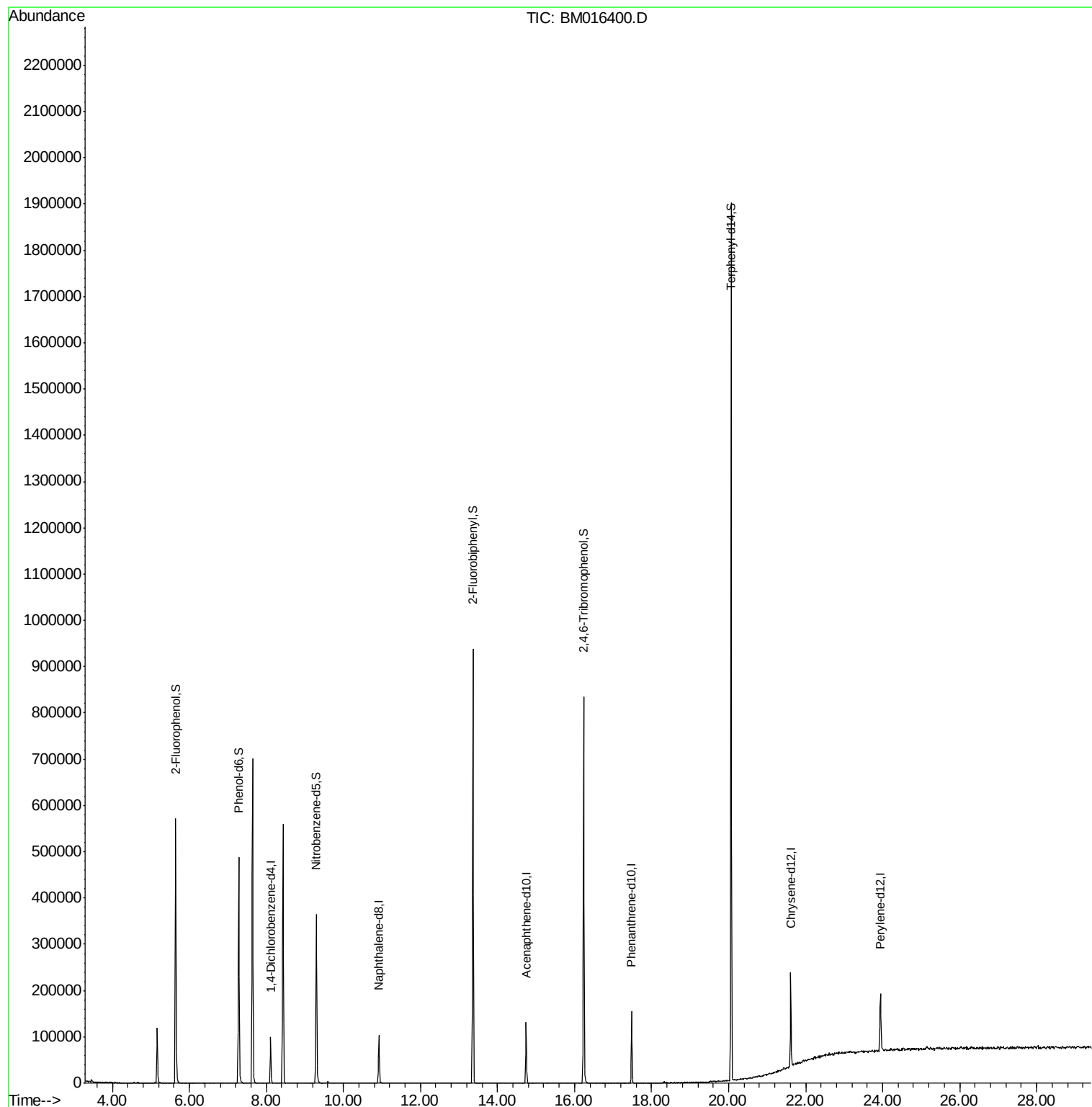
Target Compounds Qvalue

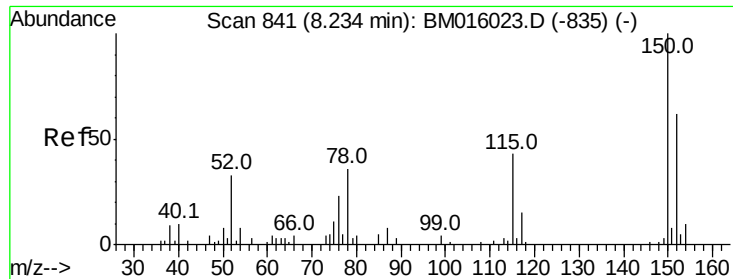
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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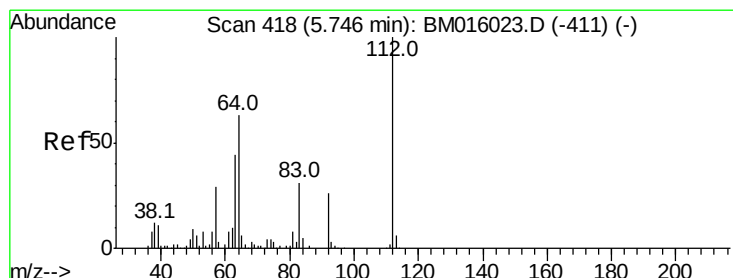
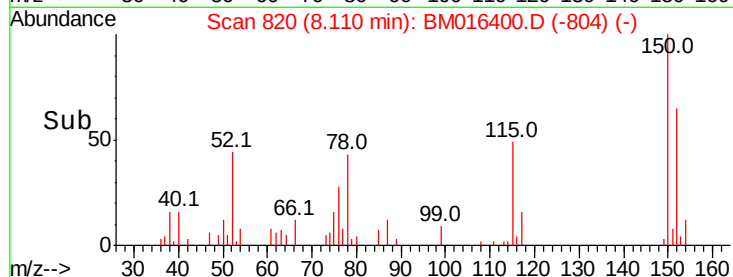
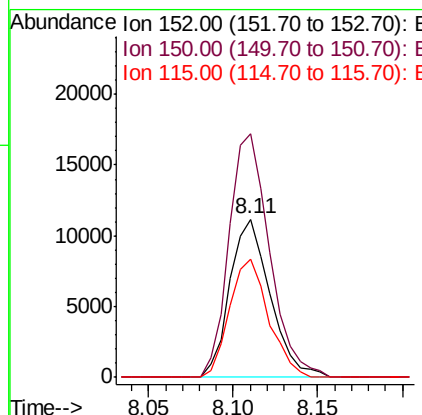
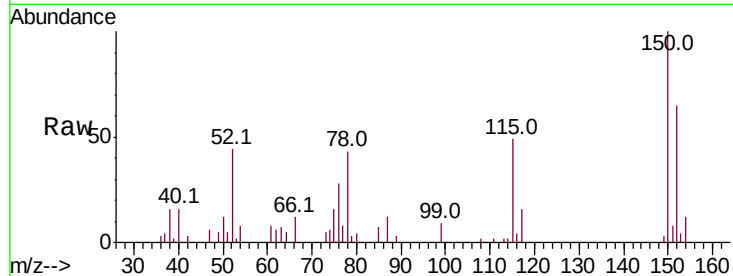




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.11 min Scan# 820  
 Delta R.T. -0.01 min  
 Lab File: BM016400.D  
 Acq: 16 Aug 2018 04:24

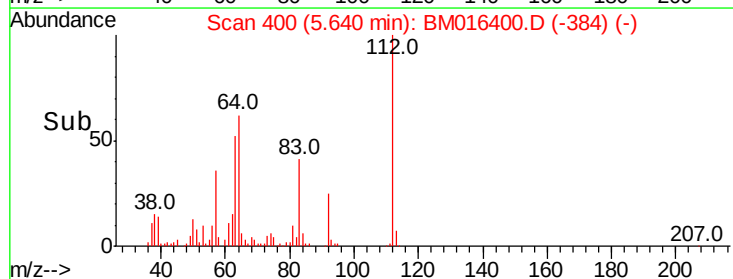
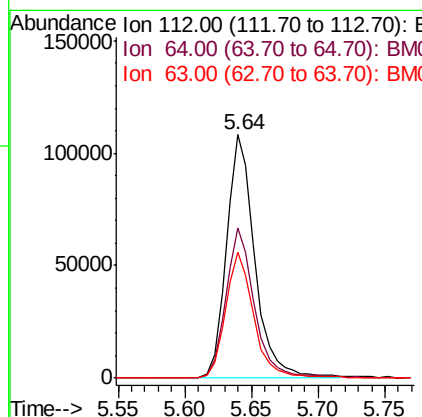
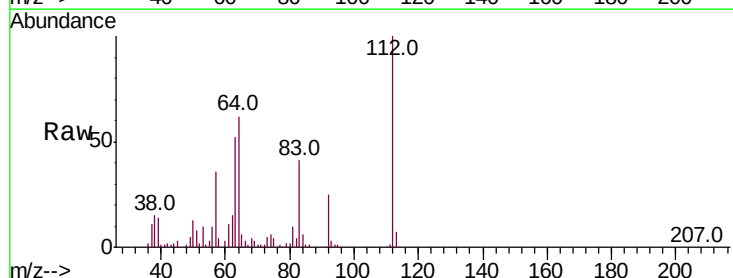
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-5

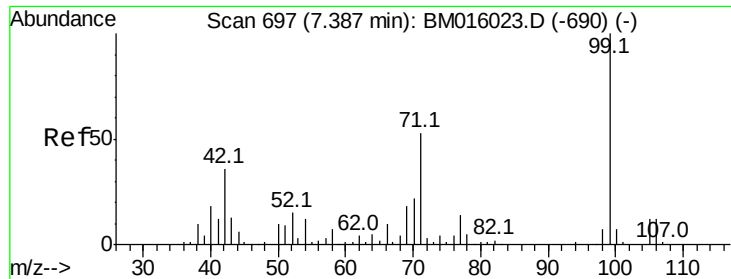
Tot Ion:152 Resp: 18597  
 Ion Ratio Lower Upper  
 152 100  
 150 154.0 119.5 179.3  
 115 74.9 43.0 64.4#



#5  
 2-Fluorophenol  
 Concen: N.D. ng  
 RT: 5.64 min Scan# 400  
 Delta R.T. -0.01 min  
 Lab File: BM016400.D  
 Acq: 16 Aug 2018 04:24

Tgt Ion:112 Resp: 161461  
 Ion Ratio Lower Upper  
 112 100  
 64 61.8 38.6 57.8#  
 63 51.8 19.3 28.9#





#7

Phenol-d6

Concen: N.D. ng

RT: 7.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BM016400.D

Acq: 16 Aug 2018 04:24

Instrument :

BNA\_M

ClientSampled :

TP-5

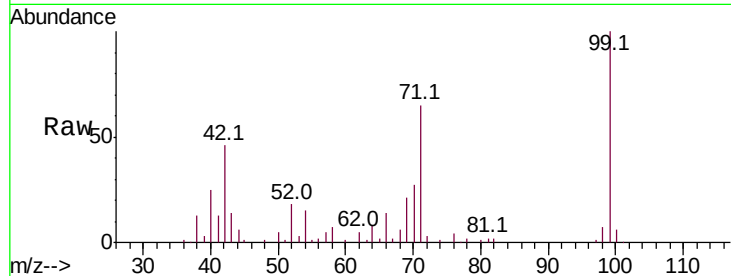
Tot Ion: 99 Resp: 165003

Ion Ratio Lower Upper

99 100

42 45.8 11.0 16.4#

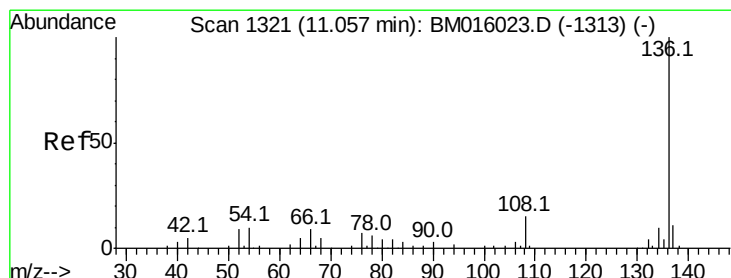
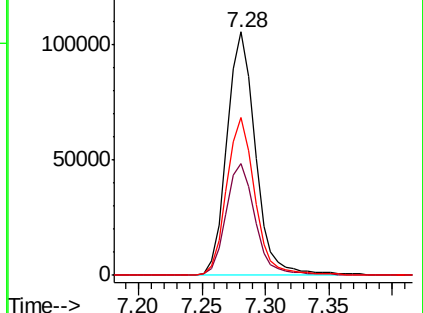
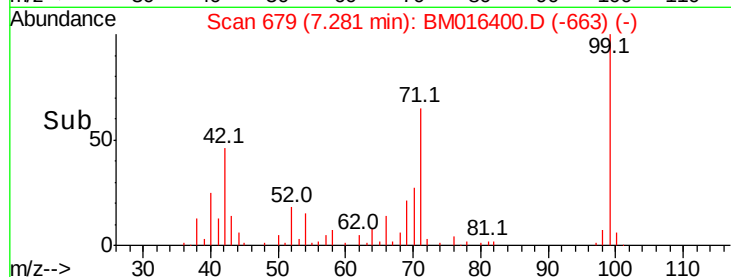
71 64.8 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016400.D (-663) (-)

Ion 42.00 (41.70 to 42.70): BM016400.D (-663) (-)

Ion 71.00 (70.70 to 71.70): BM016400.D (-663) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.92 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BM016400.D

Acq: 16 Aug 2018 04:24

Tgt Ion: 136 Resp: 64146

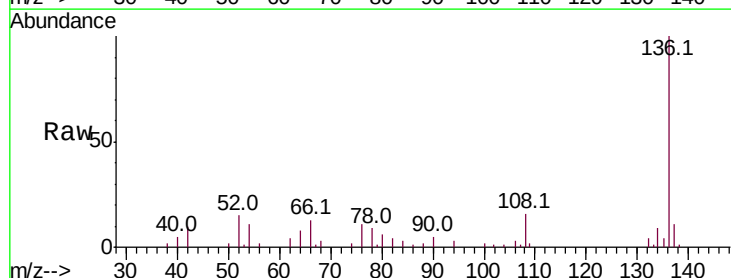
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 11.2 4.6 6.8#

68 3.2 3.7 5.5#

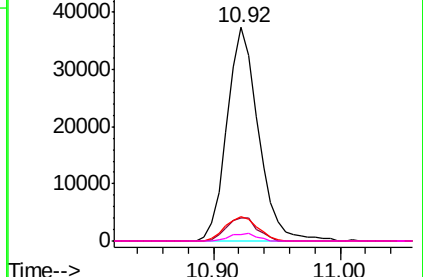
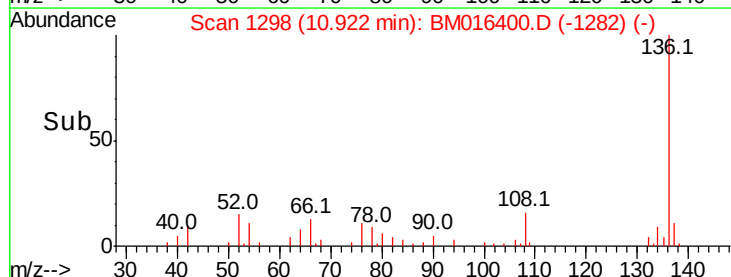


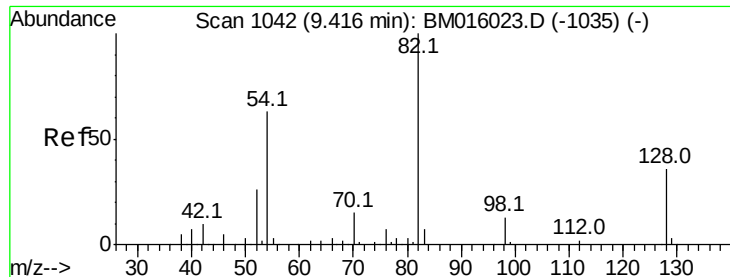
Abundance Ion 136.00 (135.70 to 136.70): BM016400.D (-1282) (-)

Ion 137.00 (136.70 to 137.70): BM016400.D (-1282) (-)

Ion 54.00 (53.70 to 54.70): BM016400.D (-1282) (-)

Ion 68.00 (67.70 to 68.70): BM016400.D (-1282) (-)

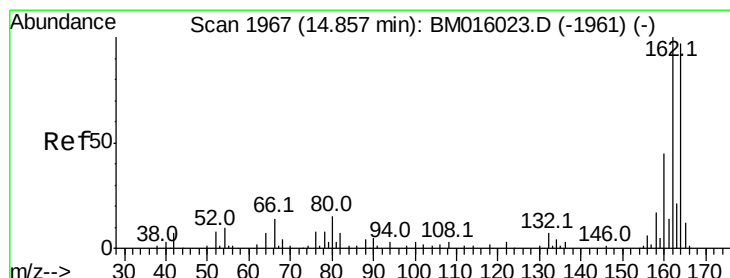
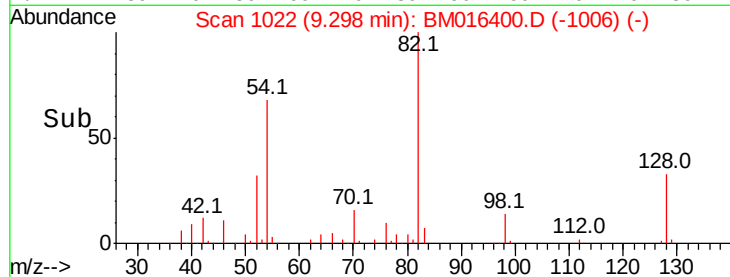
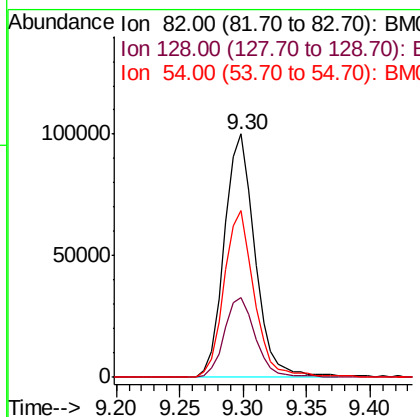
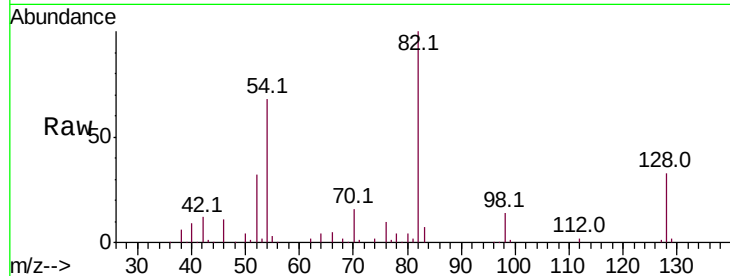




#23  
 Nitrobenzene-d5  
 Concen: N.D. ng  
 RT: 9.30 min Scan# 1022  
 Delta R.T. -0.01 min  
 Lab File: BM016400.D  
 Acq: 16 Aug 2018 04:24

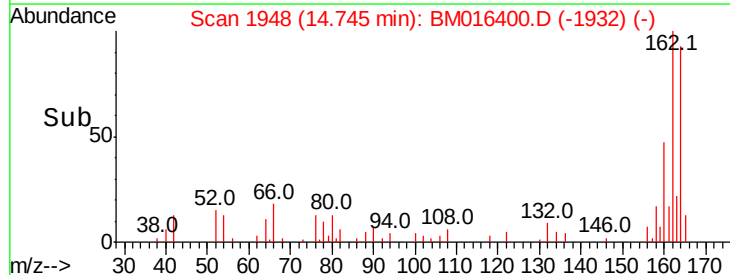
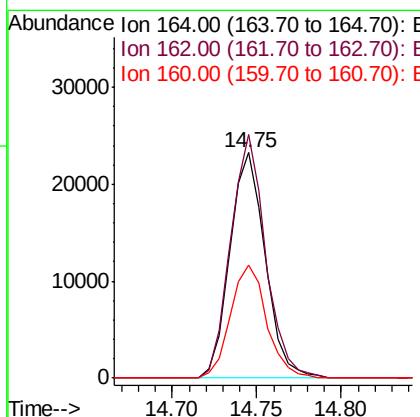
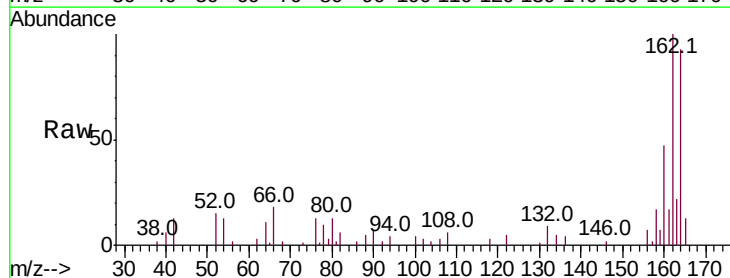
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-5

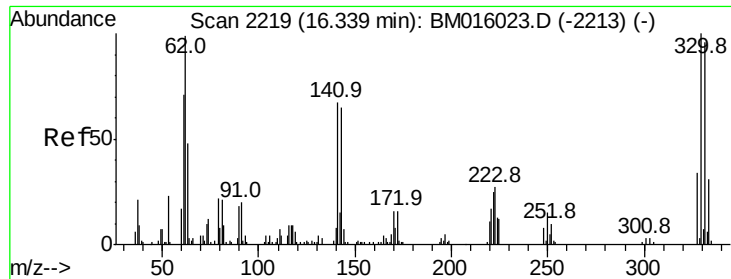
Tot Ion: 82 Resp: 168615  
 Ion Ratio Lower Upper  
 82 100  
 128 32.6 32.8 49.2#  
 54 68.3 40.6 60.8#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.75 min Scan# 1948  
 Delta R.T. -0.01 min  
 Lab File: BM016400.D  
 Acq: 16 Aug 2018 04:24

Tgt Ion: 164 Resp: 33795  
 Ion Ratio Lower Upper  
 164 100  
 162 108.1 82.4 123.6  
 160 50.3 35.8 53.6

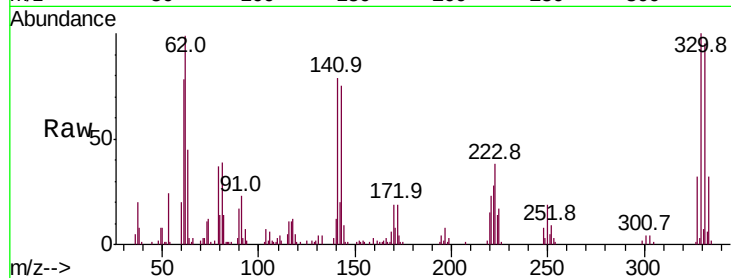




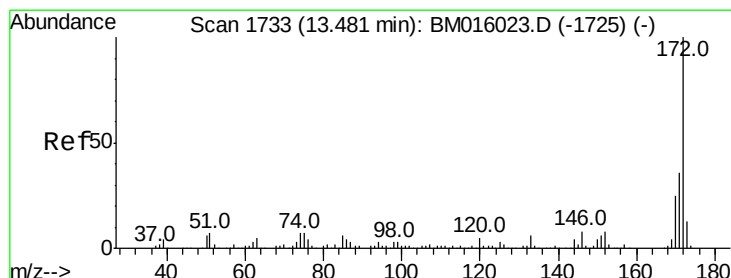
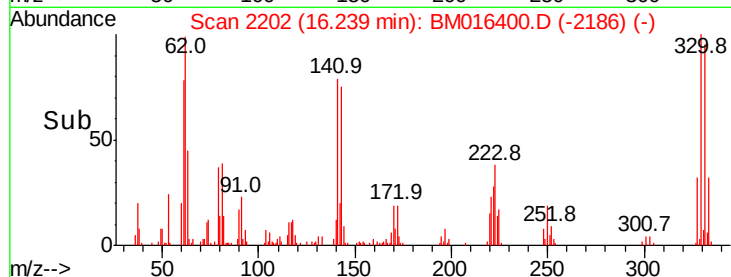
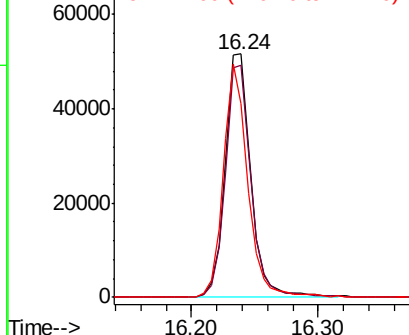
#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.24 min Scan# 2202  
 Delta R.T. -0.01 min  
 Lab File: BM016400.D  
 Acq: 16 Aug 2018 04:24

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-5

Tot Ion:330 Resp: 72231  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 0.0 0.0#  
 141 90.8 0.0 0.0#

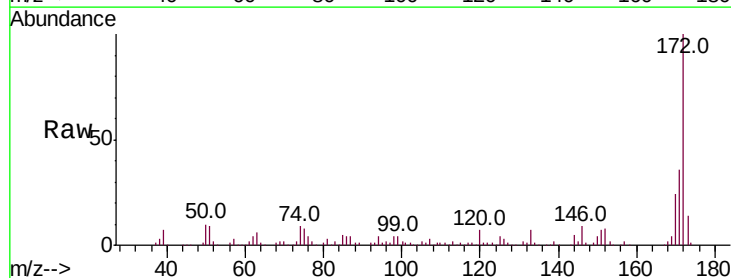


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

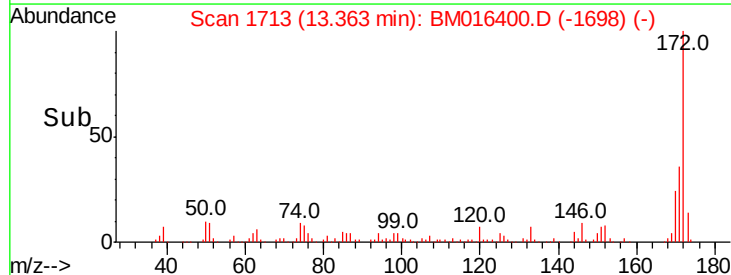
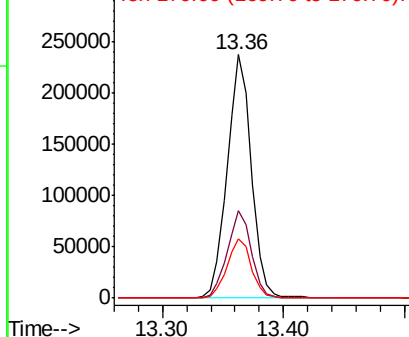


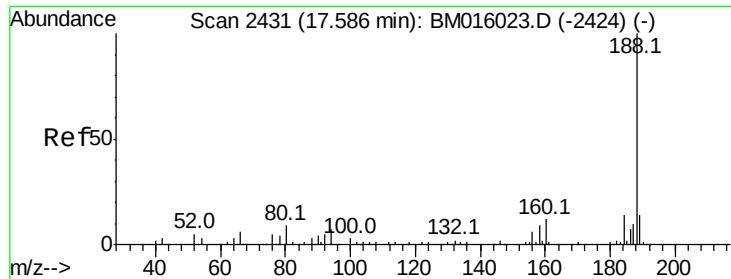
#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.36 min Scan# 1713  
 Delta R.T. -0.01 min  
 Lab File: BM016400.D  
 Acq: 16 Aug 2018 04:24

Tgt Ion:172 Resp: 329674  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.5 42.7  
 170 24.3 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

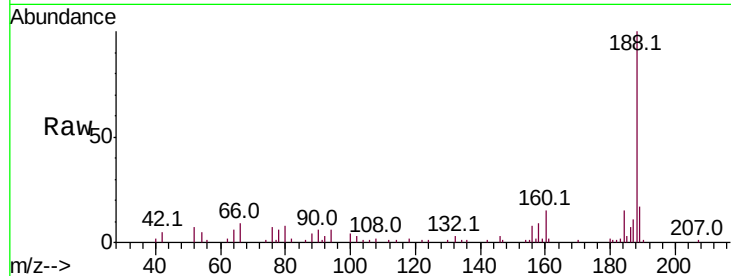




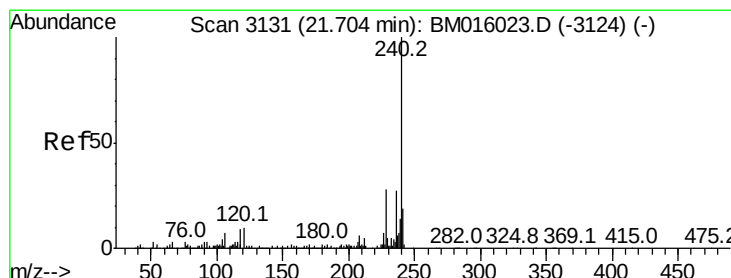
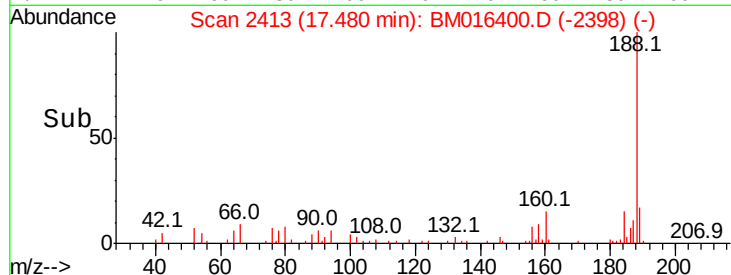
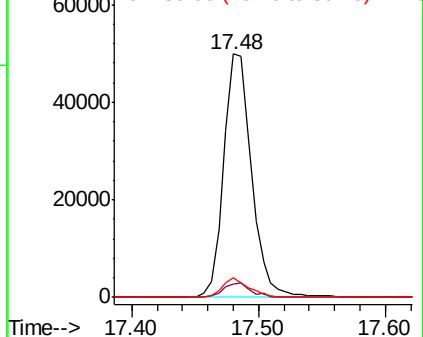
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2413  
Delta R.T. -0.01 min  
Lab File: BM016400.D  
Acq: 16 Aug 2018 04:24

Instrument :  
BNA\_M  
ClientSampleId :  
TP-5

Tot Ion:188 Resp: 75946  
Ion Ratio Lower Upper  
188 100  
94 5.6 8.7 13.1#  
80 7.9 9.3 13.9#

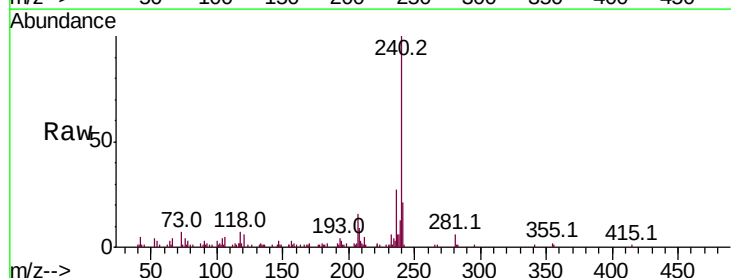


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM016400.D  
Ion 80.00 (79.70 to 80.70): BM016400.D

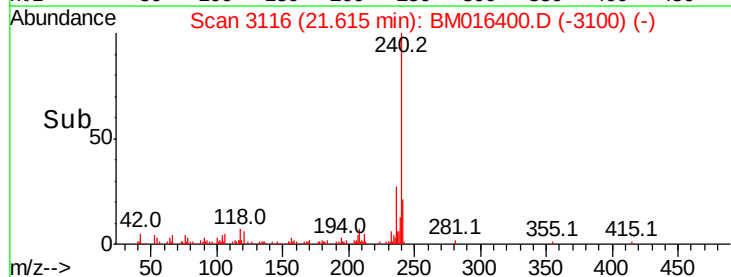
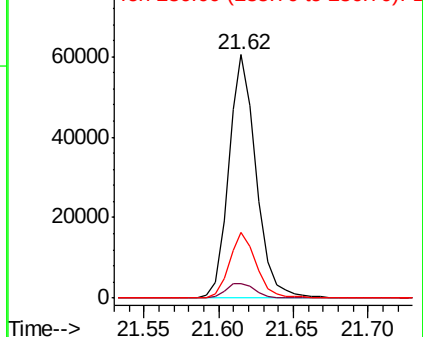


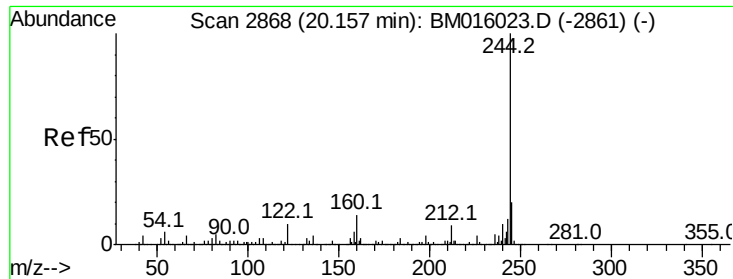
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.62 min Scan# 3116  
Delta R.T. -0.01 min  
Lab File: BM016400.D  
Acq: 16 Aug 2018 04:24

Tgt Ion:240 Resp: 77594  
Ion Ratio Lower Upper  
240 100  
120 5.8 8.2 12.2#  
236 26.9 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: 20.06 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BM016400.D

Acq: 16 Aug 2018 04:24

Instrument :

BNA\_M

ClientSampleId :

TP-5

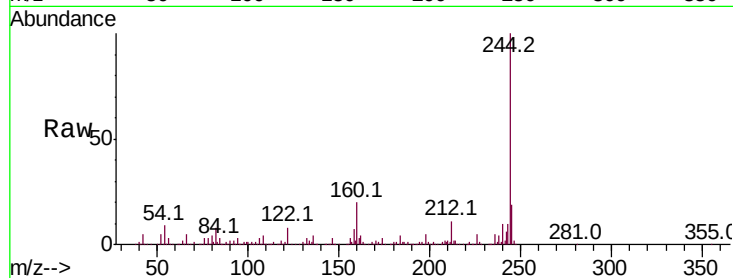
Tot Ion:244 Resp: 558227

Ion Ratio Lower Upper

244 100

212 11.1 4.9 7.3#

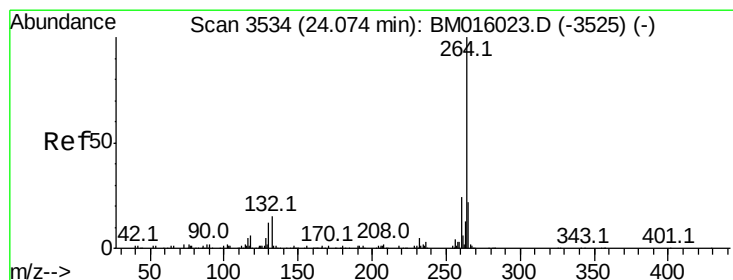
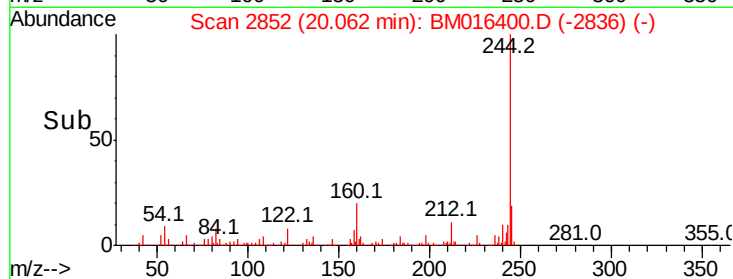
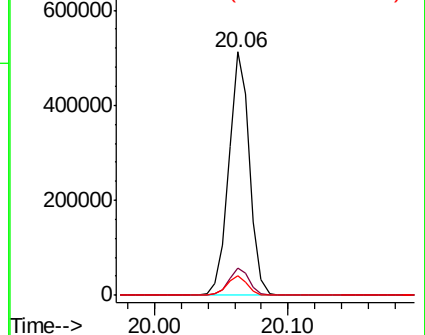
122 7.8 6.2 9.4



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: 23.94 min Scan# 3512

Delta R.T. 0.00 min

Lab File: BM016400.D

Acq: 16 Aug 2018 04:24

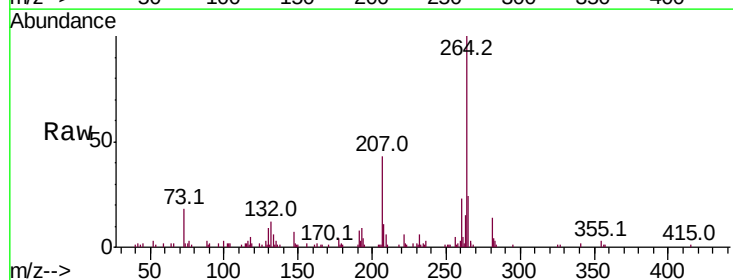
Tgt Ion:264 Resp: 83801

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 23.7 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

