

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081718\  
 Data File : BM016456.D  
 Acq On : 18 Aug 2018 02:34  
 Operator : SJ/JU  
 Sample : J4500-04  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-1RE

Quant Time: Aug 18 04:06:08 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  | 10553    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.86 | 136  | 37612    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.70 | 164  | 23890    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.44 | 188  | 76641    | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.58 | 240  | 101464   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.89 | 264  | 116197   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 97053    | 154.56 | ng    | 0.00     |
| 7) Phenol-d6                | 7.23  | 99   | 109276   | 129.47 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 112049   | 124.07 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.19 | 330  | 82874    | 229.68 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.32 | 172  | 243222   | 105.87 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.03 | 244  | 966466   | 143.97 | ng    | 0.00     |

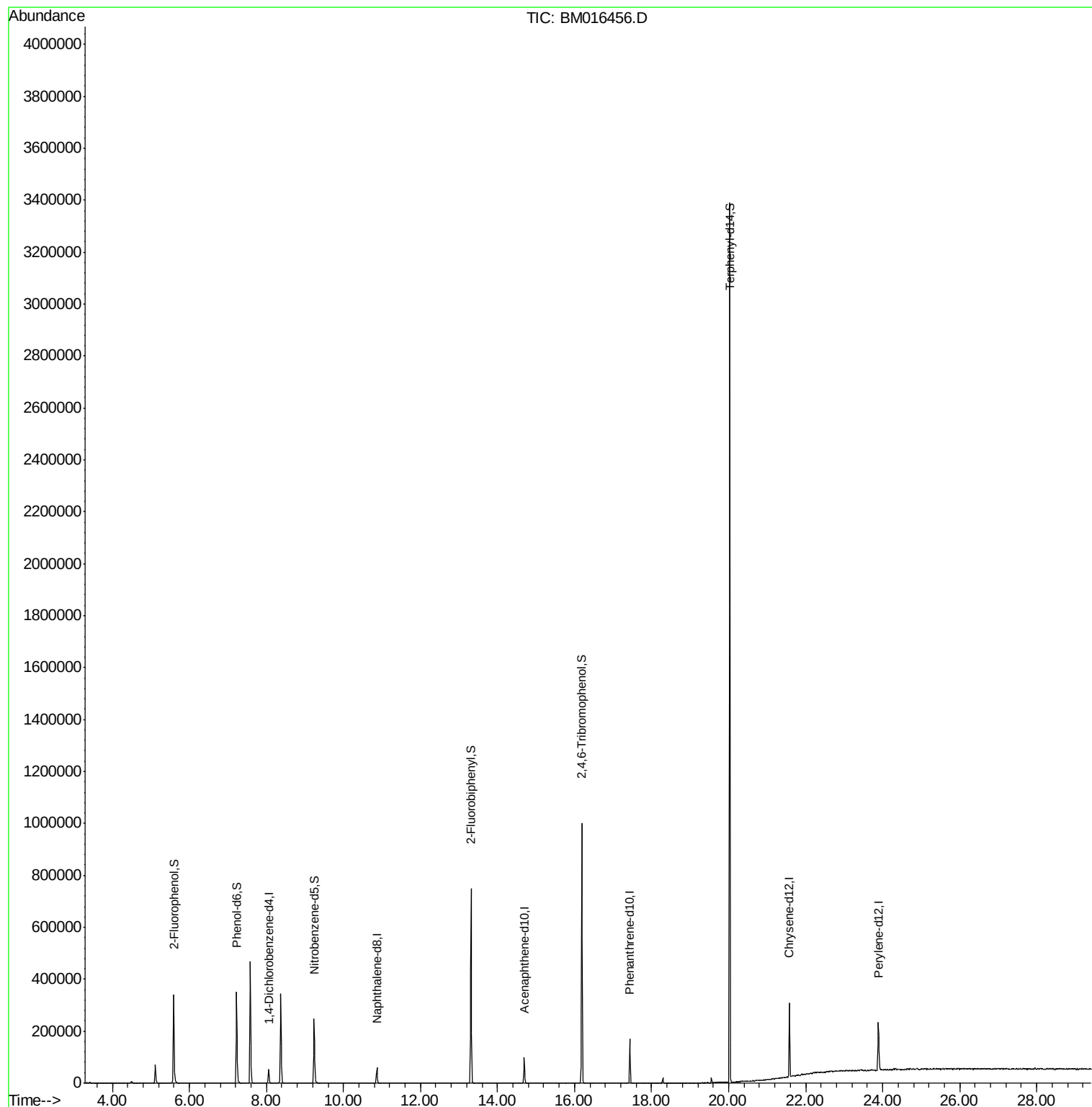
Target Compounds Qvalue

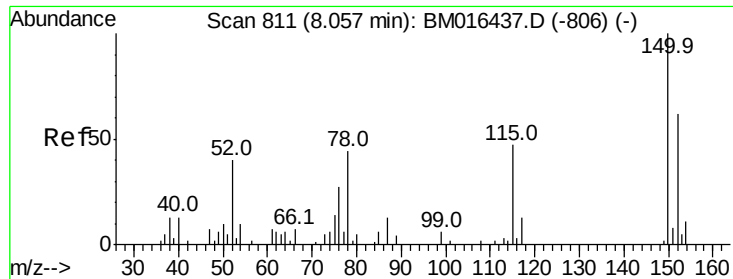
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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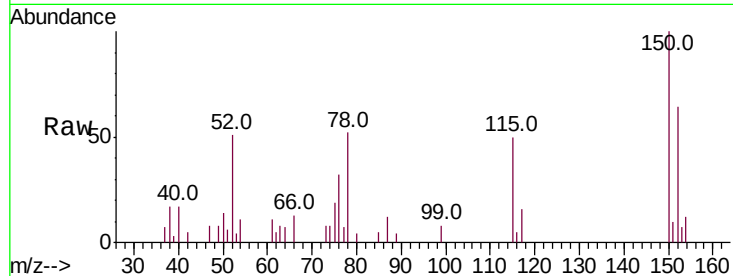


#1

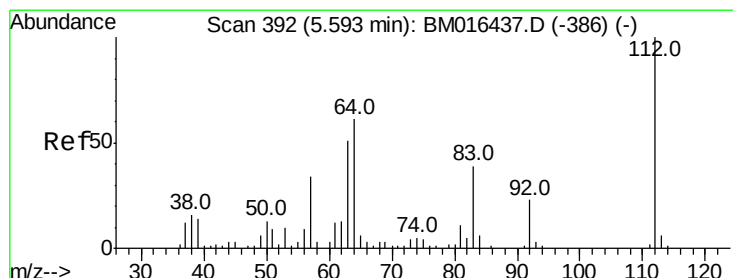
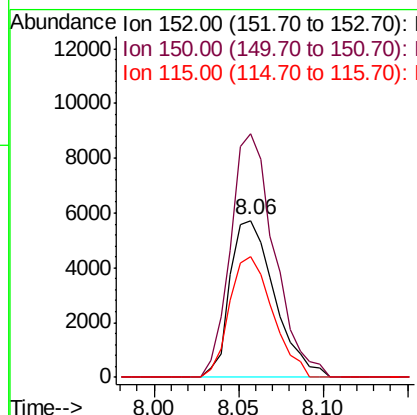
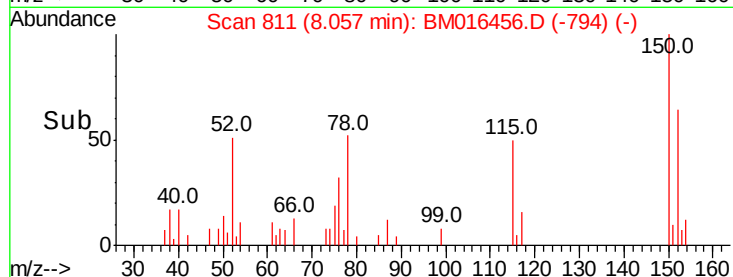
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.06 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: BM016456.D  
 Acq: 18 Aug 2018 02:34

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-1RE

Tot Ion:152 Resp: 10553  
 Ion Ratio Lower Upper  
 152 100  
 150 155.2 119.5 179.3  
 115 76.9 43.0 64.4#



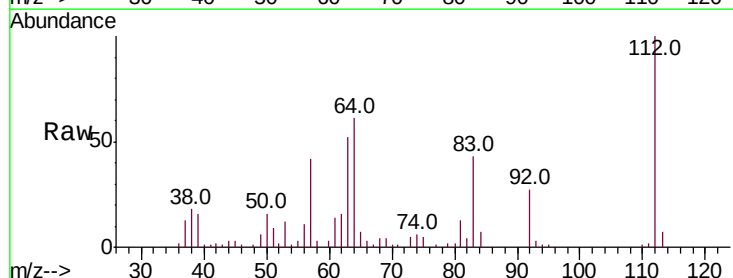
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



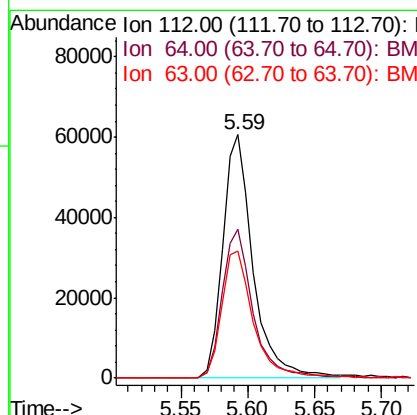
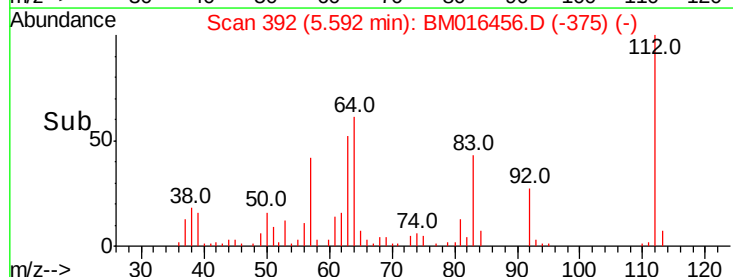
#5

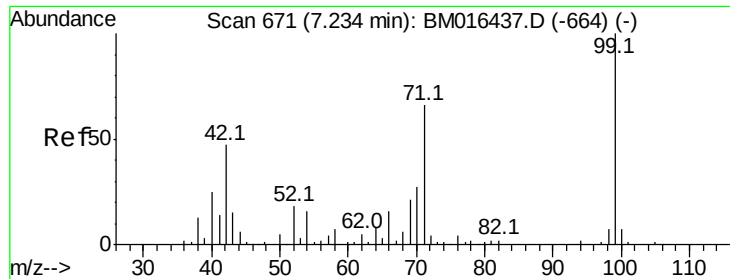
2-Fluorophenol  
 Concen: N.D. ng  
 RT: 5.59 min Scan# 392  
 Delta R.T. 0.00 min  
 Lab File: BM016456.D  
 Acq: 18 Aug 2018 02:34

Tgt Ion:112 Resp: 97053  
 Ion Ratio Lower Upper  
 112 100  
 64 61.1 38.6 57.8#  
 63 52.0 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: 7.23 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM016456.D

Acq: 18 Aug 2018 02:34

Instrument :

BNA\_M

ClientSampleId :

TP-1RE

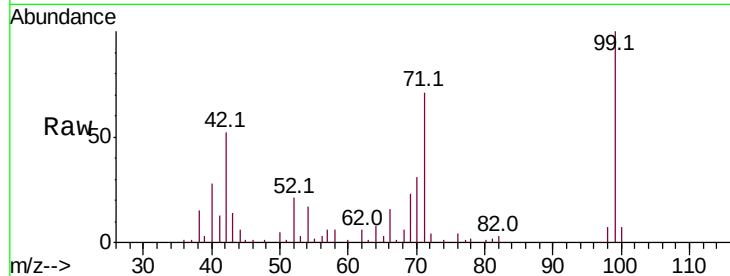
Tot Ion: 99 Resp: 109276

Ion Ratio Lower Upper

99 100

42 52.1 11.0 16.4#

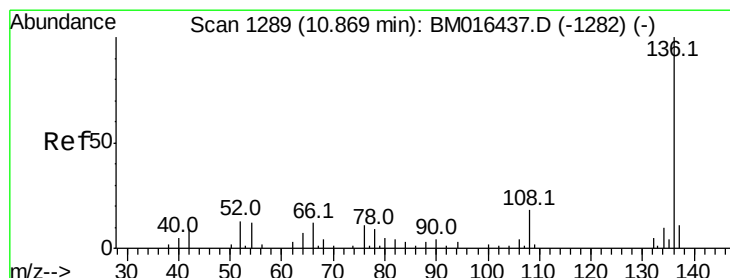
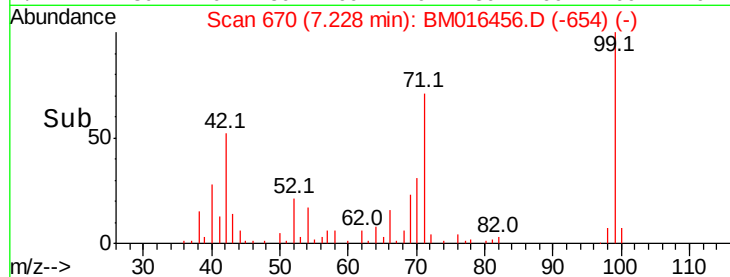
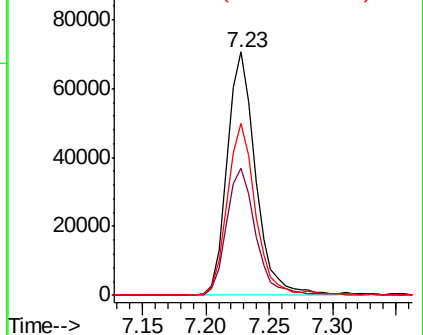
71 70.7 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016437.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM016437.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM016437.D (-664) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BM016456.D

Acq: 18 Aug 2018 02:34

Tgt Ion: 136 Resp: 37612

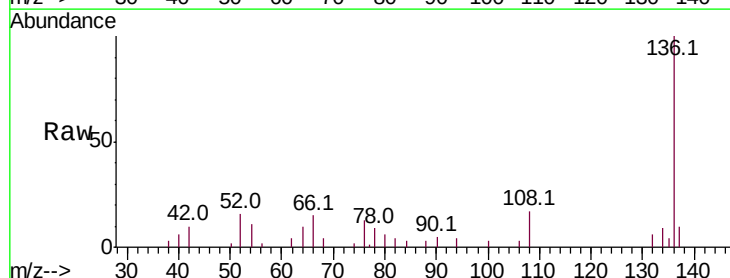
Ion Ratio Lower Upper

136 100

137 10.2 8.7 13.1

54 11.5 4.6 6.8#

68 4.4 3.7 5.5

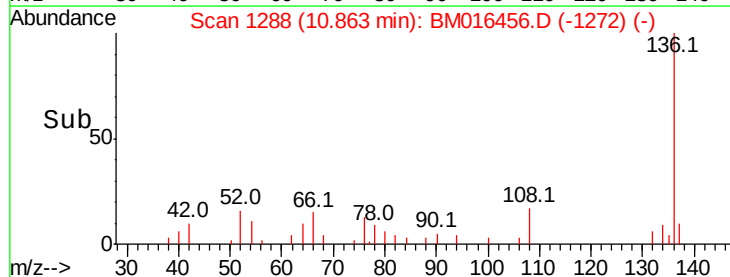
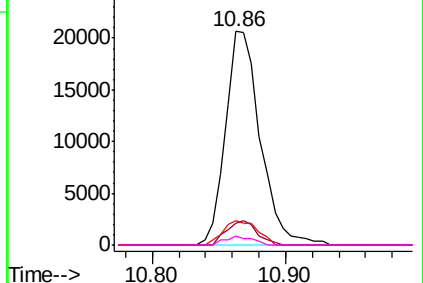


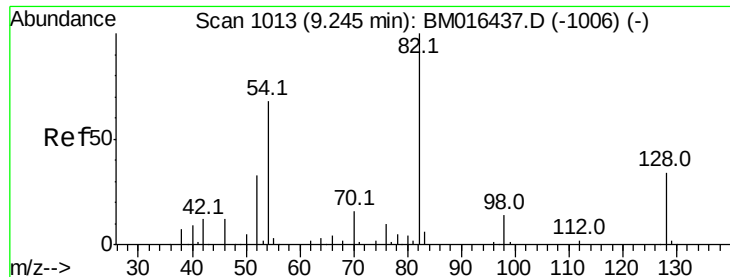
Abundance Ion 136.00 (135.70 to 136.70): BM016437.D (-1282) (-)

Ion 137.00 (136.70 to 137.70): BM016437.D (-1282) (-)

Ion 54.00 (53.70 to 54.70): BM016437.D (-1282) (-)

Ion 68.00 (67.70 to 68.70): BM016437.D (-1282) (-)

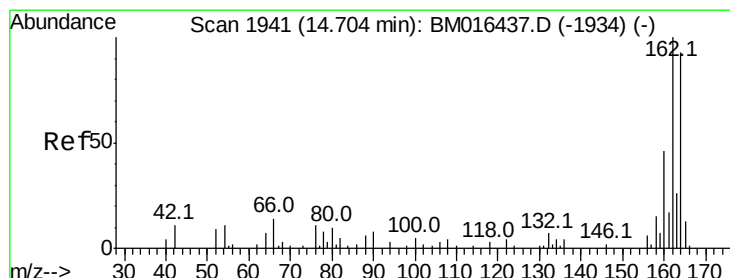
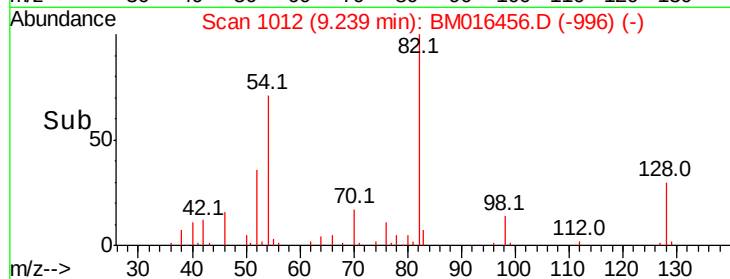
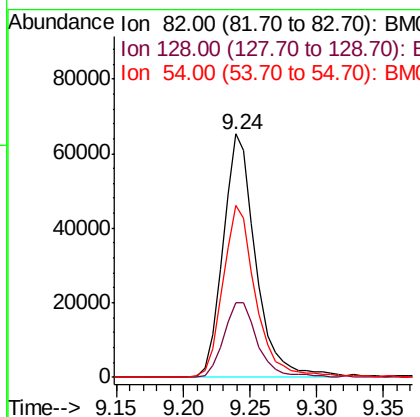
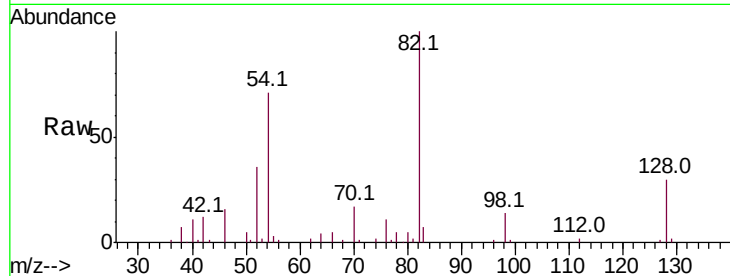




#23  
 Nitrobenzene-d5  
 Concen: N.D. ng  
 RT: 9.24 min Scan# 1012  
 Delta R.T. -0.01 min  
 Lab File: BM016456.D  
 Acq: 18 Aug 2018 02:34

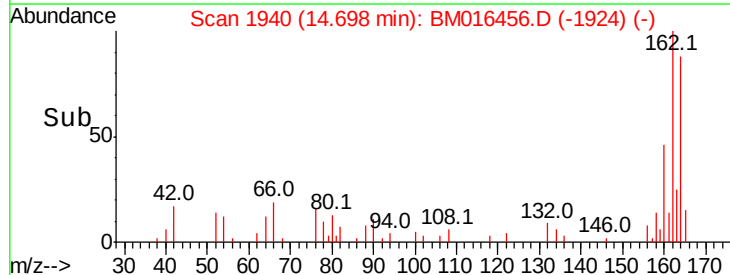
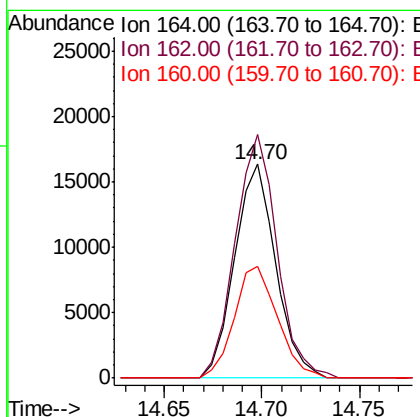
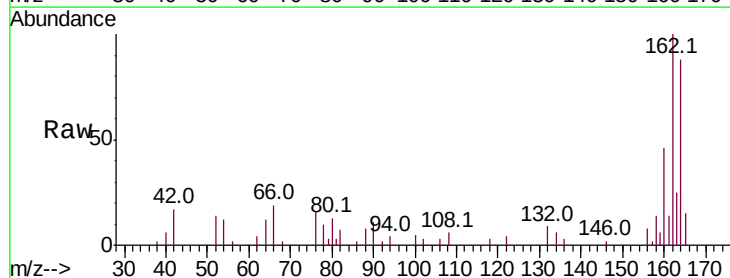
Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-1RE

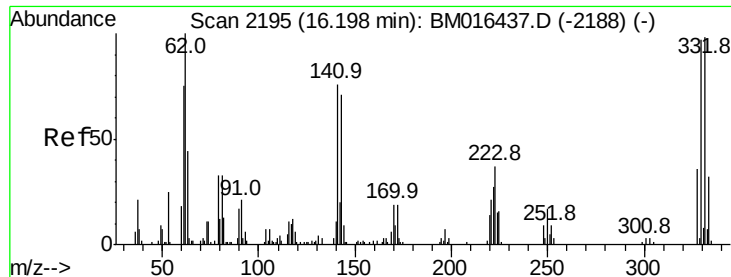
Tot Ion: 82 Resp: 112049  
 Ion Ratio Lower Upper  
 82 100  
 128 30.5 32.8 49.2#  
 54 70.7 40.6 60.8#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.70 min Scan# 1940  
 Delta R.T. -0.01 min  
 Lab File: BM016456.D  
 Acq: 18 Aug 2018 02:34

Tgt Ion:164 Resp: 23890  
 Ion Ratio Lower Upper  
 164 100  
 162 113.9 82.4 123.6  
 160 52.0 35.8 53.6

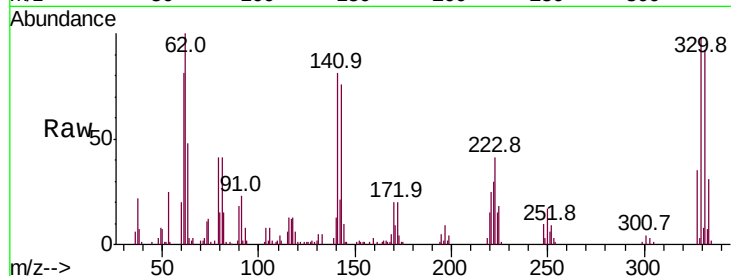




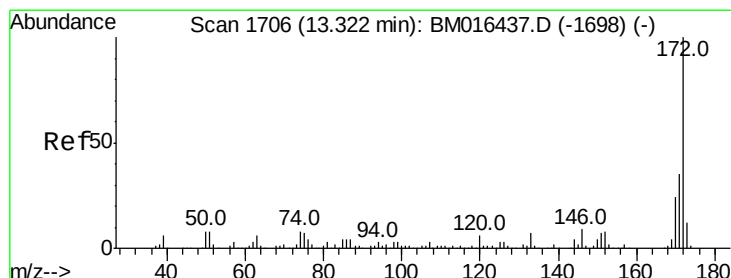
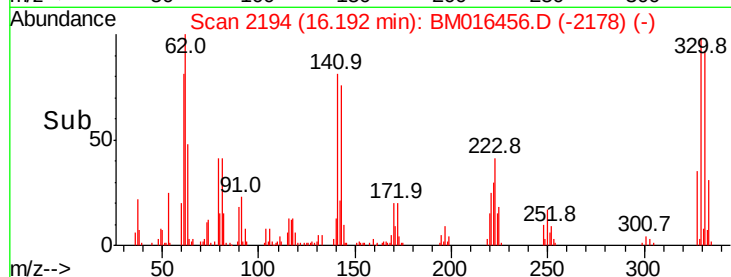
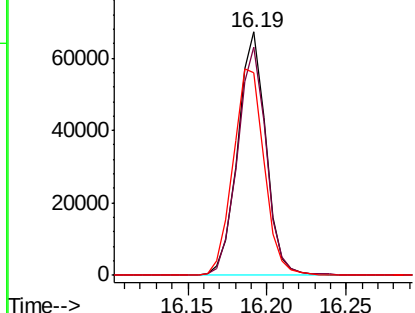
#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.19 min Scan# 2194  
 Delta R.T. -0.01 min  
 Lab File: BM016456.D  
 Acq: 18 Aug 2018 02:34

Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-1RE

Tot Ion:330 Resp: 82874  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 0.0 0.0#  
 141 93.7 0.0 0.0#

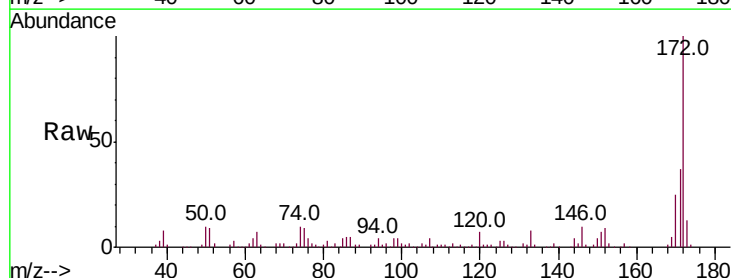


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

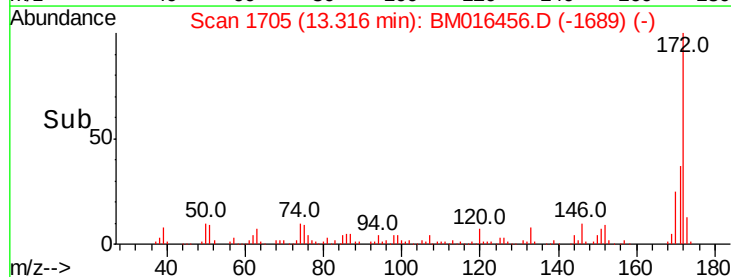
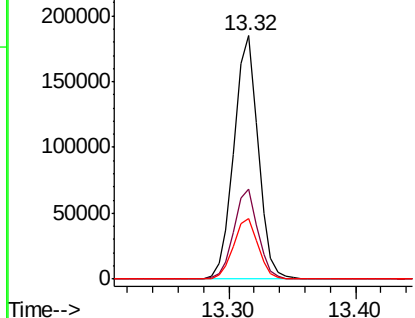


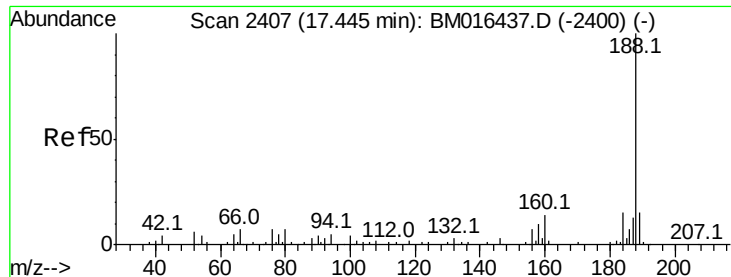
#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.32 min Scan# 1705  
 Delta R.T. -0.01 min  
 Lab File: BM016456.D  
 Acq: 18 Aug 2018 02:34

Tgt Ion:172 Resp: 243222  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 28.5 42.7  
 170 24.7 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

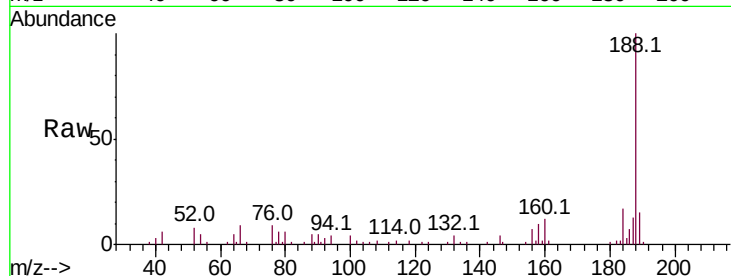




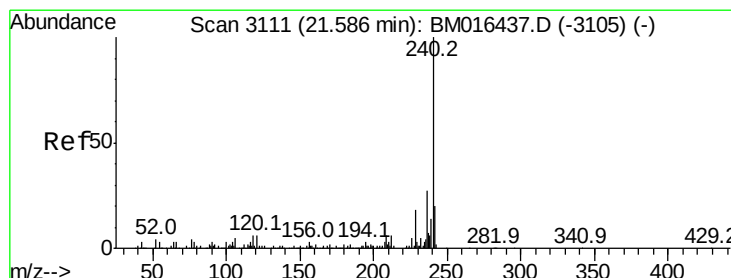
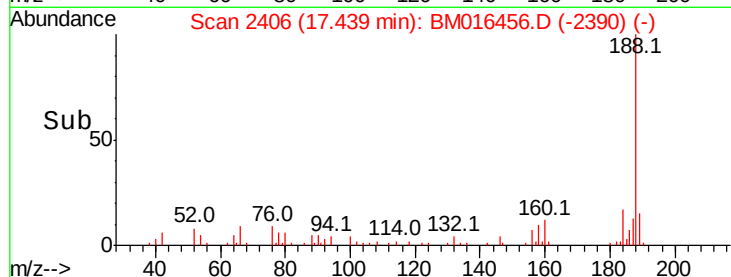
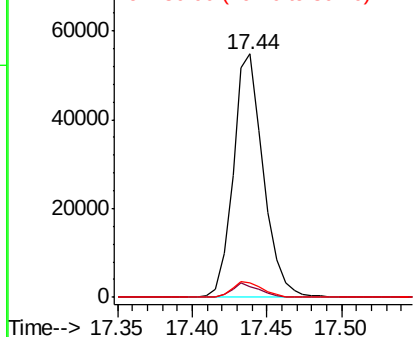
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.44 min Scan# 2406  
Delta R.T. -0.01 min  
Lab File: BM016456.D  
Acq: 18 Aug 2018 02:34

Instrument :  
BNA\_M  
ClientSampleId :  
TP-1RE

Tot Ion:188 Resp: 76641  
Ion Ratio Lower Upper  
188 100  
94 4.3 8.7 13.1#  
80 5.9 9.3 13.9#

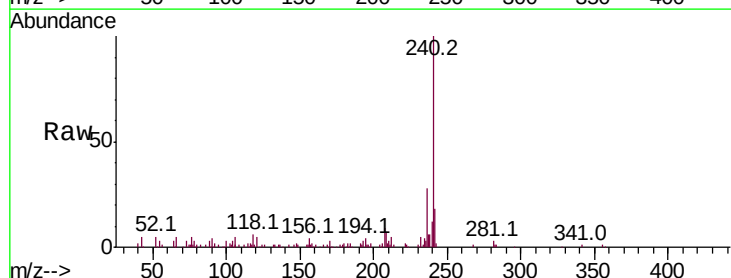


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

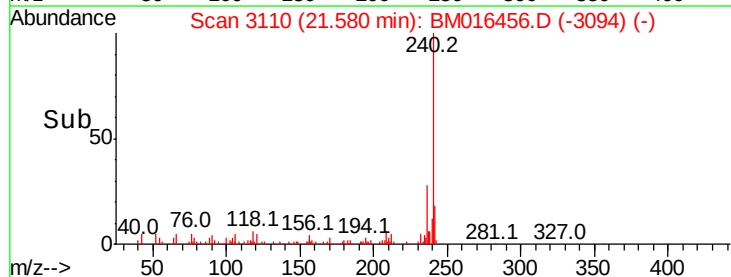
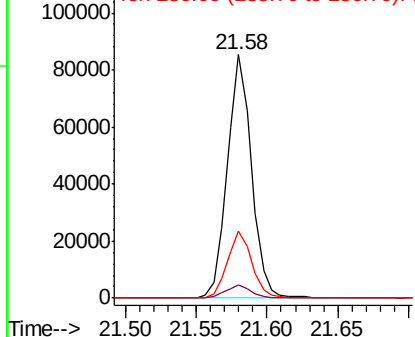


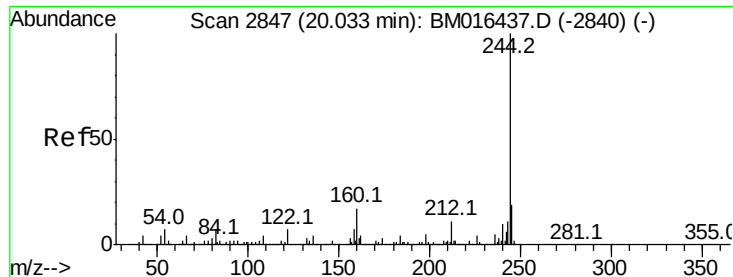
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.58 min Scan# 3110  
Delta R.T. -0.01 min  
Lab File: BM016456.D  
Acq: 18 Aug 2018 02:34

Tgt Ion:240 Resp: 101464  
Ion Ratio Lower Upper  
240 100  
120 5.4 8.2 12.2#  
236 27.6 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

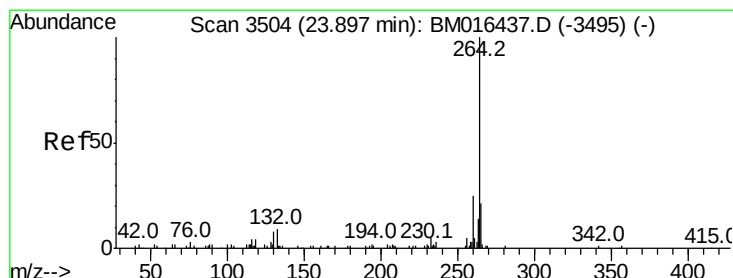
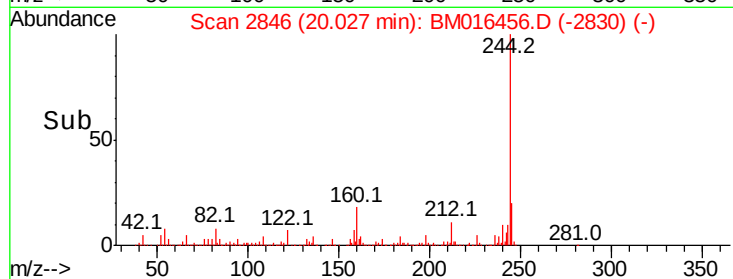
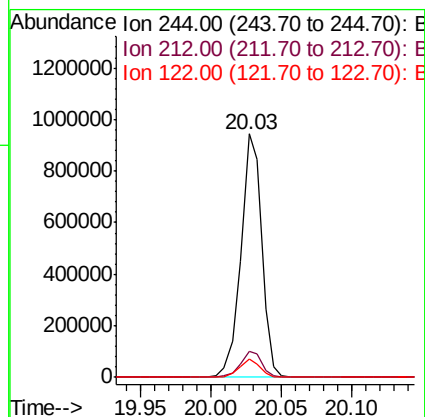
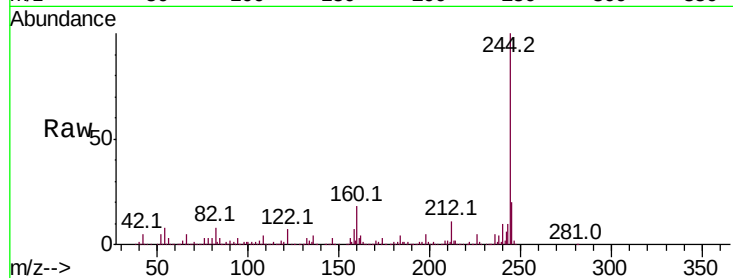




#78  
 Terphenyl-d14  
 Concen: N.D. ng  
 RT: 20.03 min Scan# 2846  
 Delta R.T. -0.01 min  
 Lab File: BM016456.D  
 Acq: 18 Aug 2018 02:34

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-1RE

Tot Ion:244 Resp: 966466  
 Ion Ratio Lower Upper  
 244 100  
 212 10.8 4.9 7.3#  
 122 7.3 6.2 9.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.89 min Scan# 3502  
 Delta R.T. -0.01 min  
 Lab File: BM016456.D  
 Acq: 18 Aug 2018 02:34

Tgt Ion:264 Resp: 116197  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 18.6 27.8  
 265 22.5 17.3 25.9

