

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM071917\  
 Data File : BM010896.D  
 Acq On : 19 Jul 2017 16:49  
 Operator : SJ/JU  
 Sample : I4234-08  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 I4234-08

Quant Time: Jul 20 01:09:22 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.44  | 152  | 212646   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.20 | 136  | 790967   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.09 | 164  | 488533   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.84 | 188  | 1145009  | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.06 | 240  | 1114808  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.19 | 264  | 1016797  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.08  | 112  | 1753435  | 136.59 | ng    | 0.00     |
| 7) Phenol-d6                | 6.64  | 99   | 2157338  | 121.90 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.59  | 82   | 1984837  | 96.45  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.59 | 330  | 1091965  | 146.26 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.70 | 172  | 3867583  | 98.49  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.51 | 244  | 5225675  | 90.66  | ng    | 0.00     |

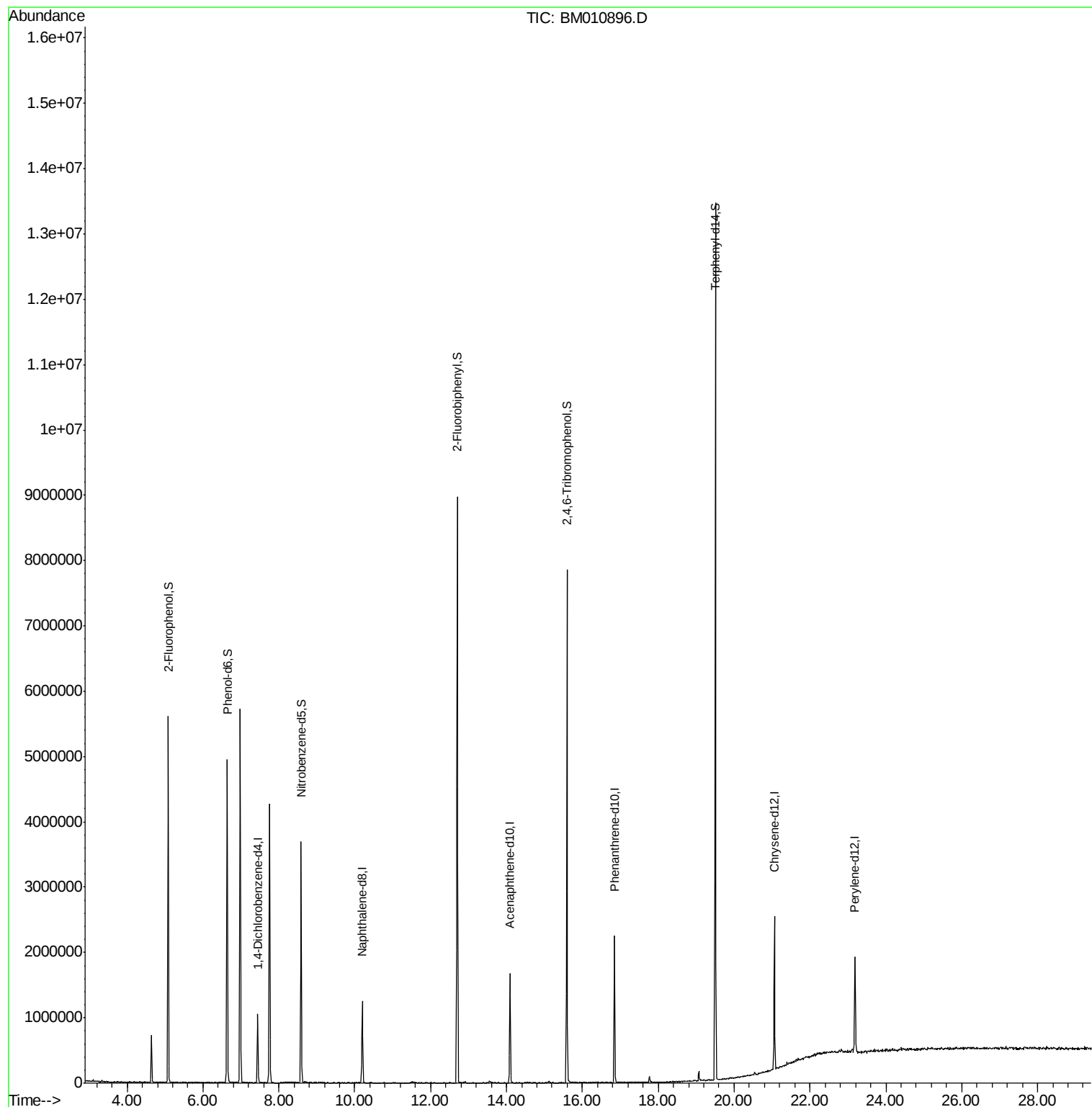
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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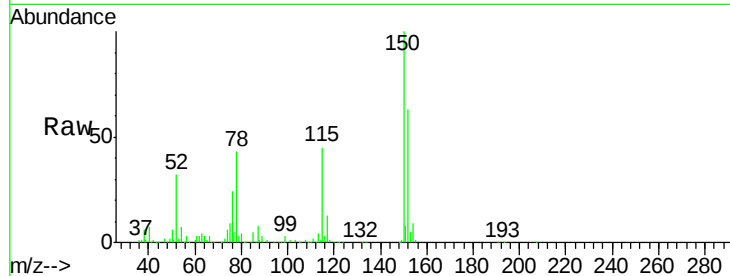


#1

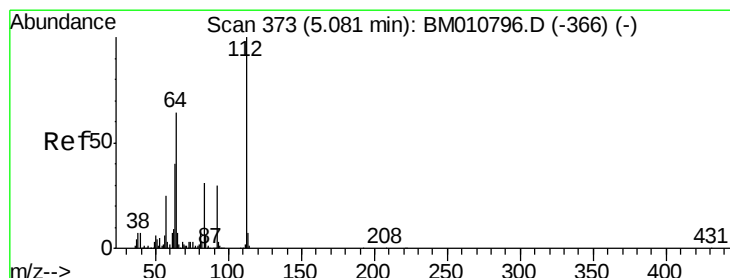
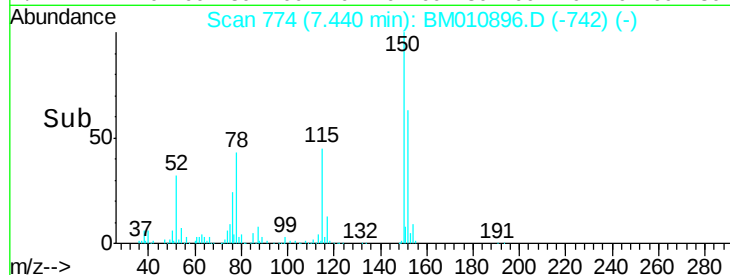
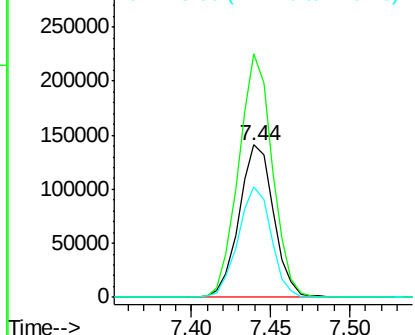
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.44 min Scan# 774  
Delta R.T. -0.01 min  
Lab File: BM010896.D  
Acq: 19 Jul 2017 16:49

Instrument :  
BNA\_M  
ClientSampleId :  
14234-08

Tgt Ion:152 Resp: 212646  
Ion Ratio Lower Upper  
152 100  
150 160.0 119.5 179.3  
115 72.6 43.0 64.4#



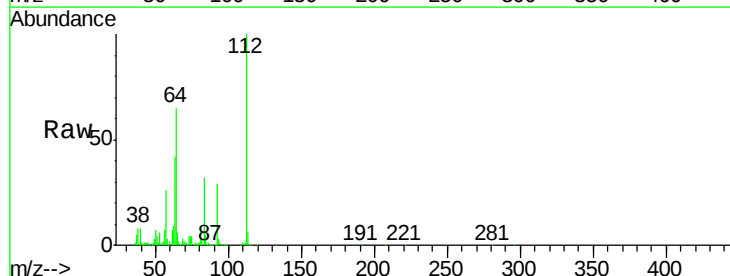
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



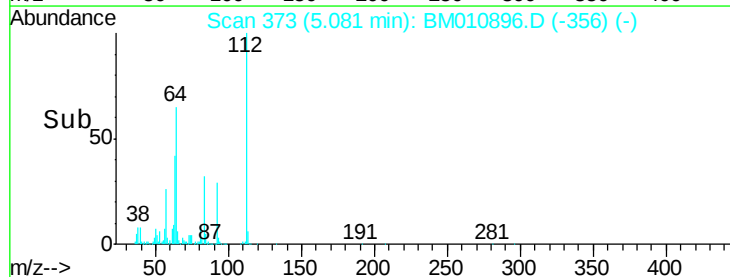
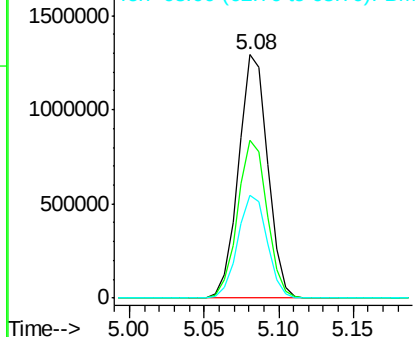
#5

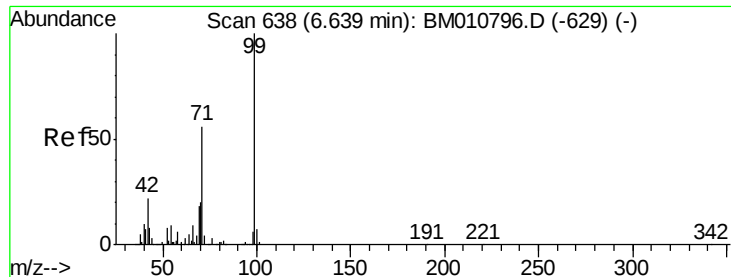
2-Fluorophenol  
Concen: 136.591 ng  
RT: 5.08 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: BM010896.D  
Acq: 19 Jul 2017 16:49

Tgt Ion:112 Resp: 1753435  
Ion Ratio Lower Upper  
112 100  
64 65.0 38.6 57.8#  
63 42.4 19.3 28.9#



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: 121.903 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM010896.D

Acq: 19 Jul 2017 16:49

Instrument :

BNA\_M

ClientSampleId :

14234-08

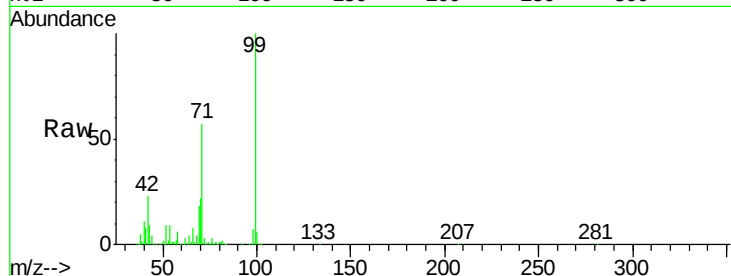
Tgt Ion: 99 Resp: 2157338

Ion Ratio Lower Upper

99 100

42 22.8 11.0 16.4#

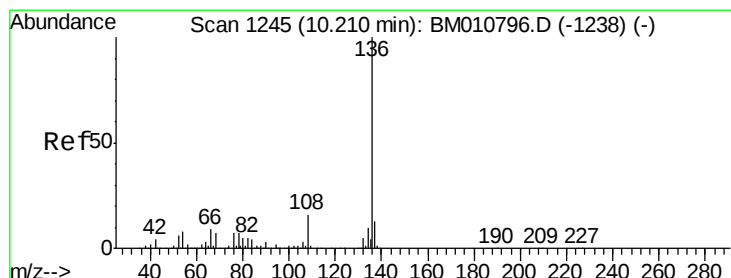
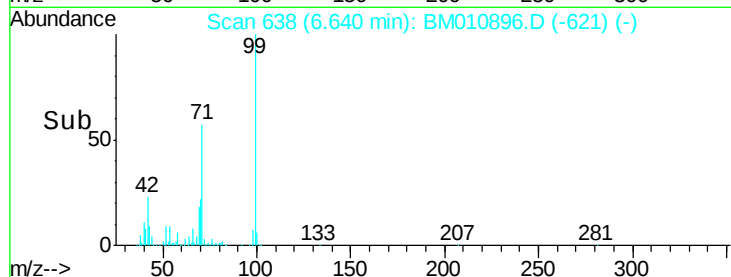
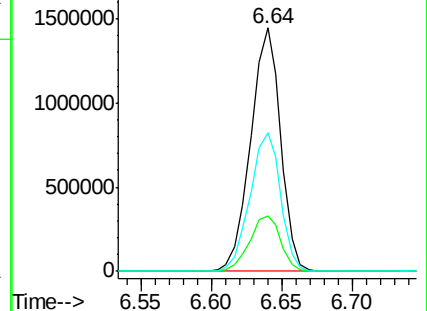
71 57.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010896.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM010896.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM010896.D (-629) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BM010896.D

Acq: 19 Jul 2017 16:49

Tgt Ion: 136 Resp: 790967

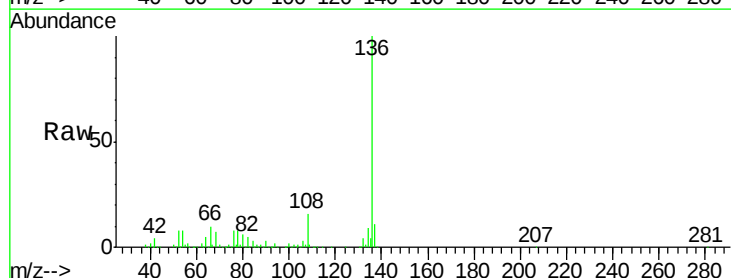
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 8.1 4.6 6.8#

68 7.0 3.7 5.5#

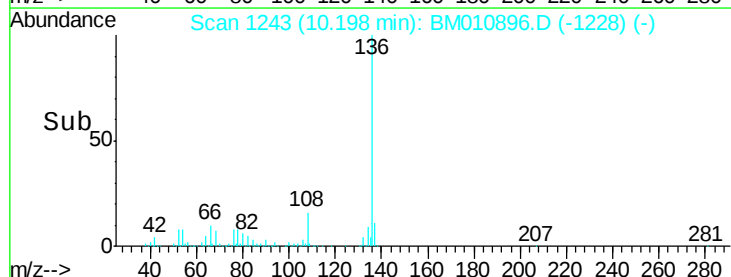
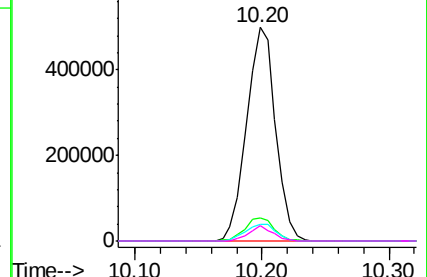


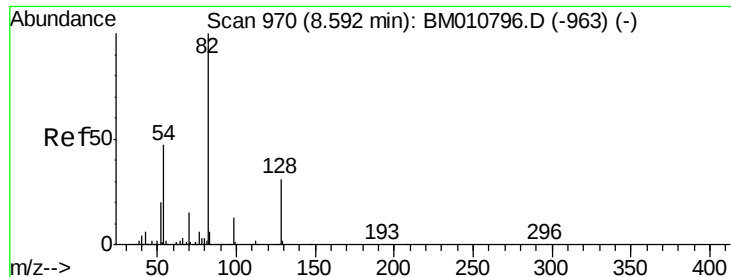
Abundance Ion 136.00 (135.70 to 136.70): BM010896.D (-1228) (-)

Ion 137.00 (136.70 to 137.70): BM010896.D (-1228) (-)

Ion 54.00 (53.70 to 54.70): BM010896.D (-1228) (-)

Ion 68.00 (67.70 to 68.70): BM010896.D (-1228) (-)

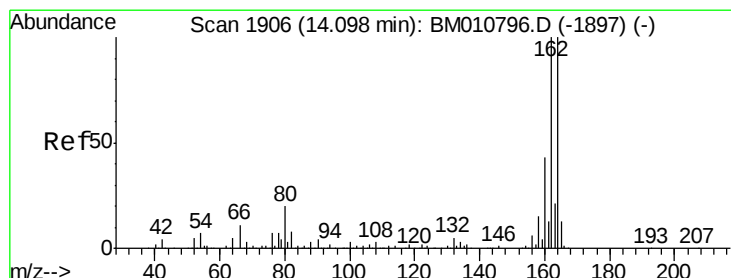
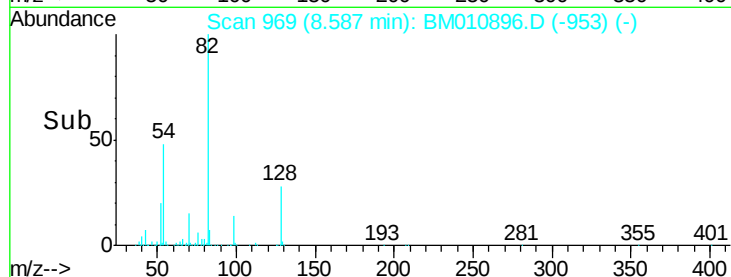
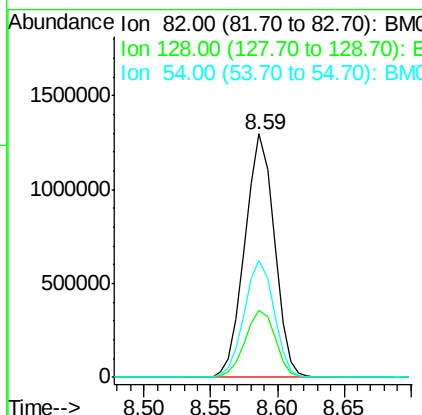
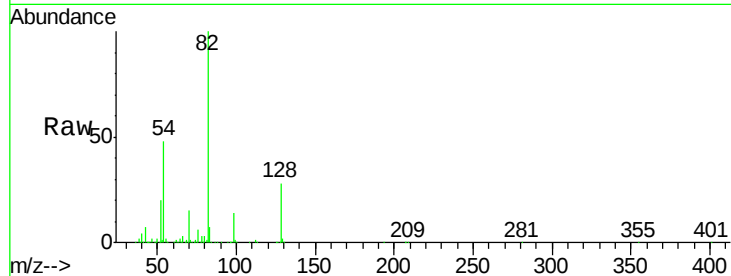




#23  
 Nitrobenzene-d5  
 Concen: 96.455 ng  
 RT: 8.59 min Scan# 969  
 Delta R.T. -0.01 min  
 Lab File: BM010896.D  
 Acq: 19 Jul 2017 16:49

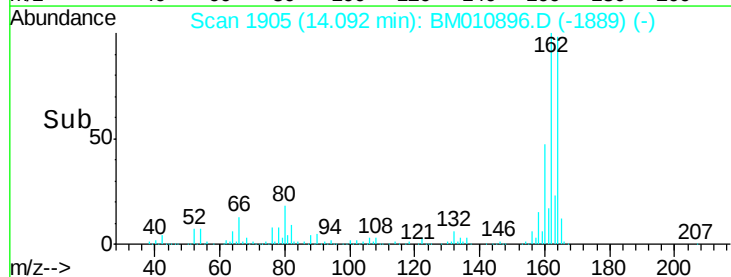
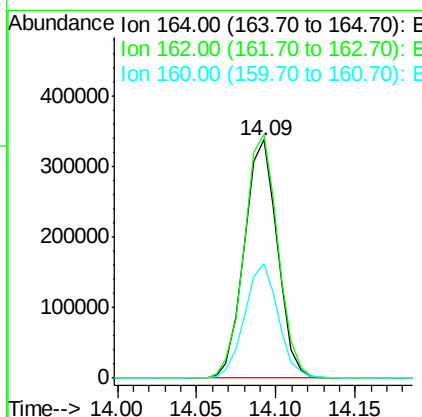
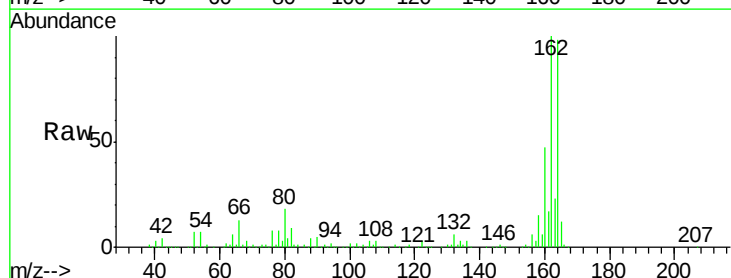
Instrument :  
 BNA\_M  
 ClientSampleId :  
 14234-08

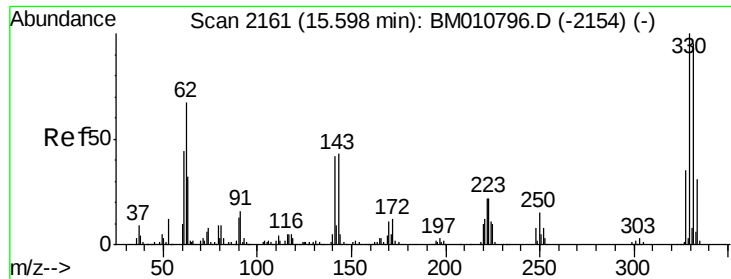
Tgt Ion: 82 Resp: 1984837  
 Ion Ratio Lower Upper  
 82 100  
 128 27.5 32.8 49.2#  
 54 47.9 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.09 min Scan# 1905  
 Delta R.T. -0.01 min  
 Lab File: BM010896.D  
 Acq: 19 Jul 2017 16:49

Tgt Ion: 164 Resp: 488533  
 Ion Ratio Lower Upper  
 164 100  
 162 102.2 82.4 123.6  
 160 47.8 35.8 53.6

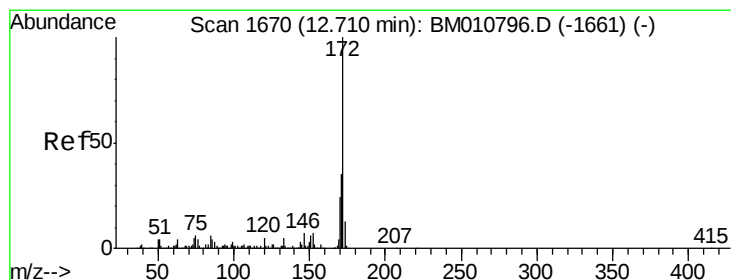
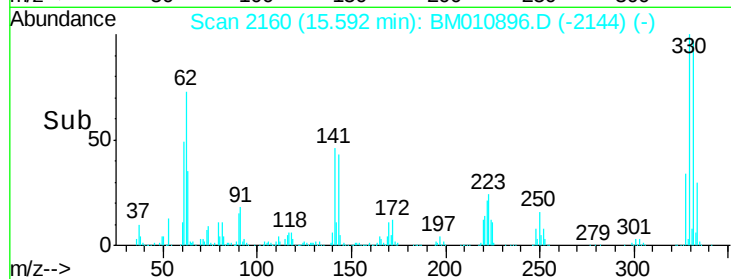
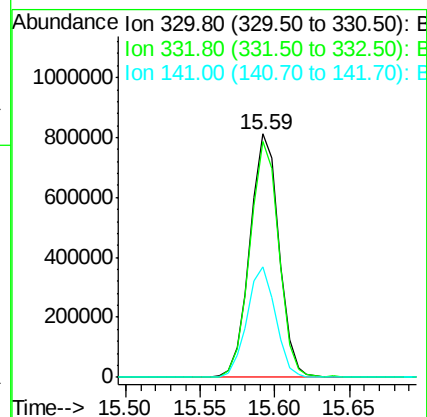
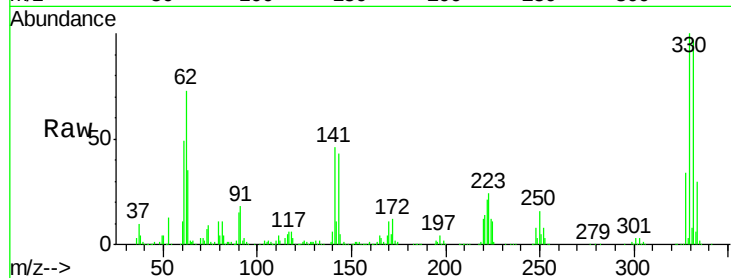




#41  
 2,4,6-Tribromophenol  
 Concen: 146.264 ng  
 RT: 15.59 min Scan# 2160  
 Delta R.T. -0.01 min  
 Lab File: BM010896.D  
 Acq: 19 Jul 2017 16:49

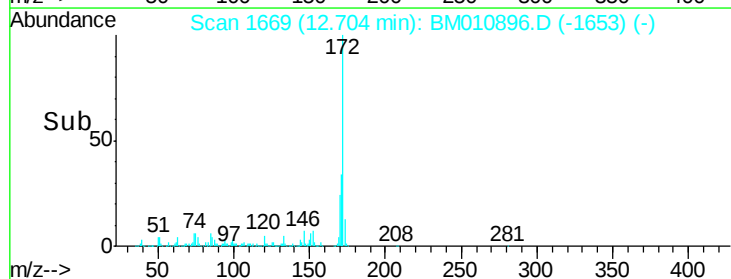
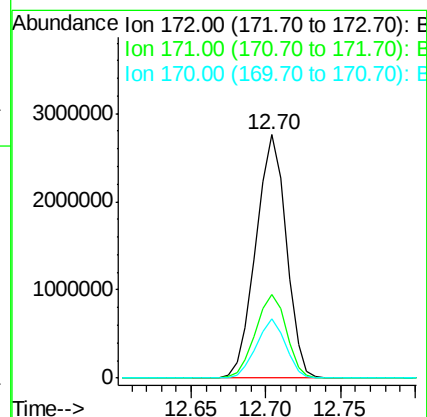
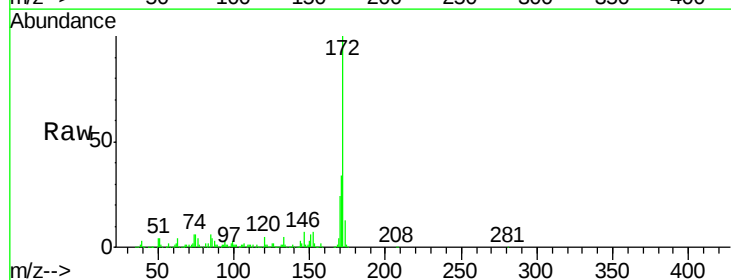
Instrument :  
 BNA\_M  
 ClientSampleId :  
 14234-08

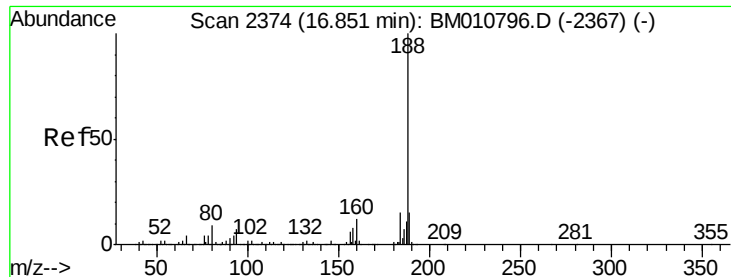
Tgt Ion:330 Resp: 1091965  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 0.0 0.0#  
 141 44.6 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 98.486 ng  
 RT: 12.70 min Scan# 1669  
 Delta R.T. -0.01 min  
 Lab File: BM010896.D  
 Acq: 19 Jul 2017 16:49

Tgt Ion:172 Resp: 3867583  
 Ion Ratio Lower Upper  
 172 100  
 171 34.3 28.5 42.7  
 170 24.3 18.8 28.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.84 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BM010896.D

Acq: 19 Jul 2017 16:49

Instrument :

BNA\_M

ClientSampleId :

14234-08

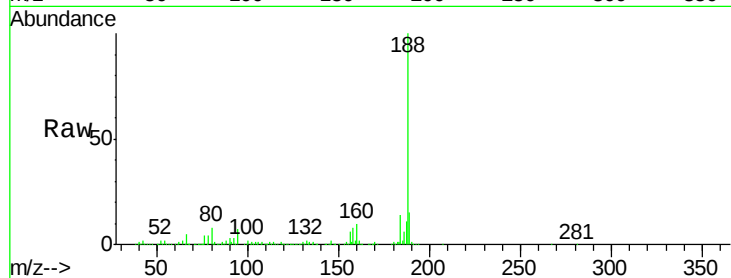
Tgt Ion:188 Resp: 1145009

Ion Ratio Lower Upper

188 100

94 6.8 8.7 13.1#

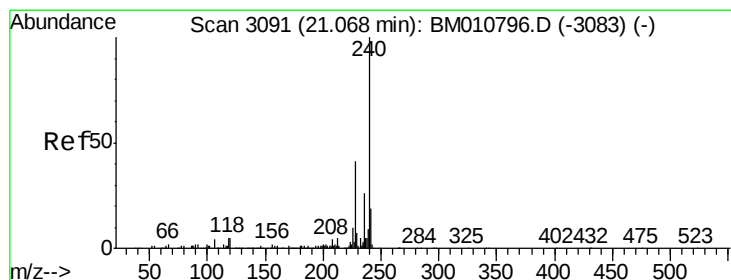
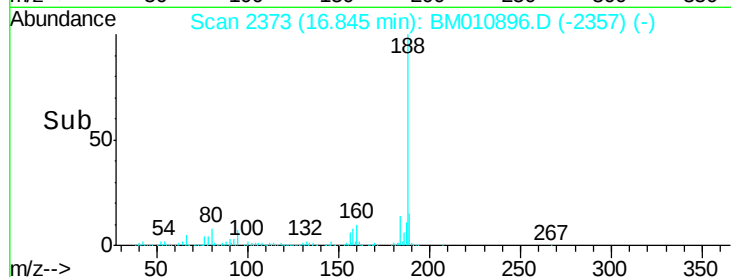
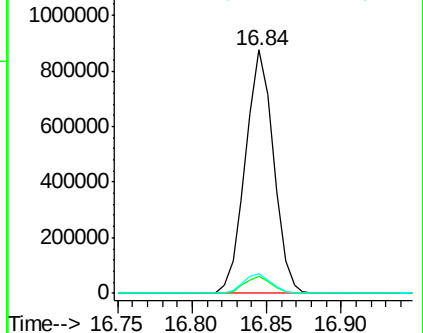
80 8.0 9.3 13.9#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010896.D

Acq: 19 Jul 2017 16:49

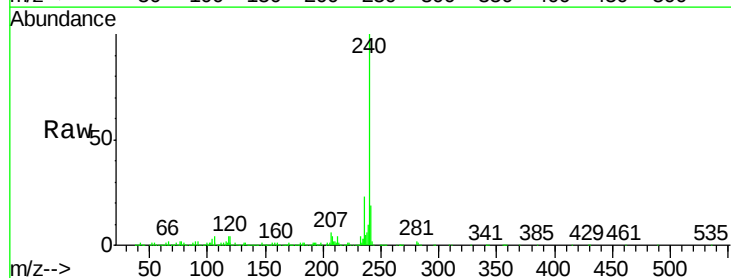
Tgt Ion:240 Resp: 1114808

Ion Ratio Lower Upper

240 100

120 4.1 8.2 12.2#

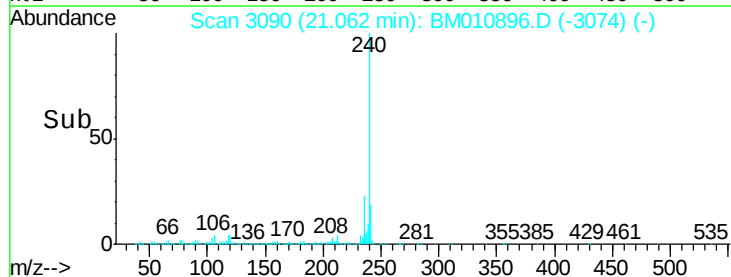
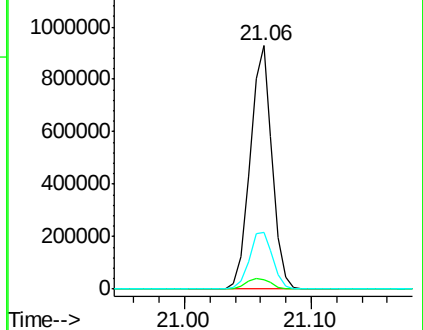
236 23.4 20.0 30.0

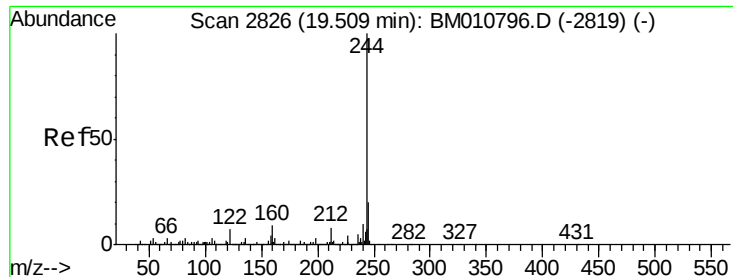


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 90.661 ng

RT: 19.51 min Scan# 2826

Delta R.T. 0.00 min

Lab File: BM010896.D

Acq: 19 Jul 2017 16:49

Instrument :

BNA\_M

ClientSampled :

14234-08

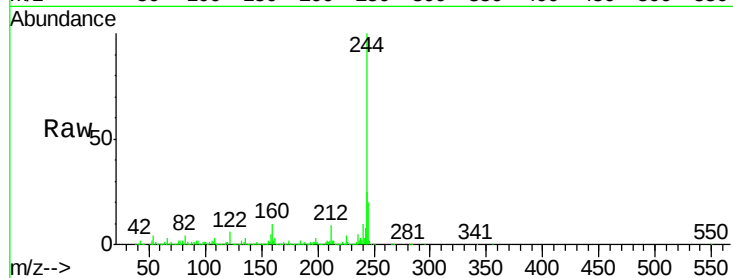
Tgt Ion:244 Resp: 5225675

Ion Ratio Lower Upper

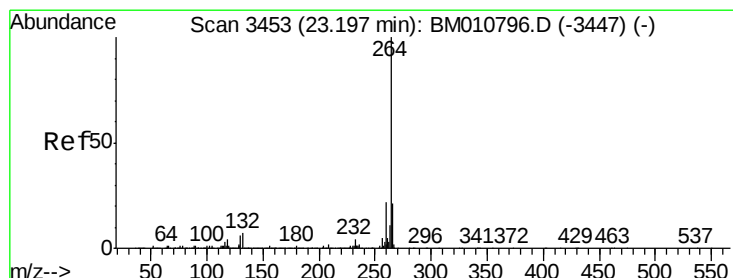
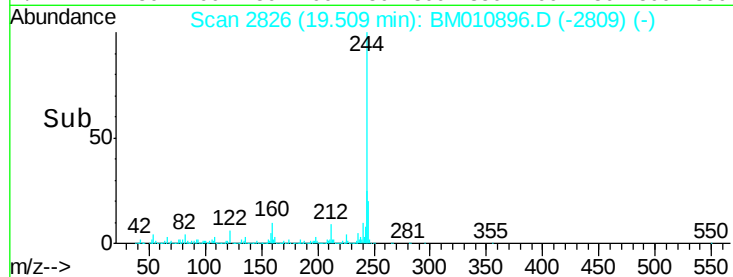
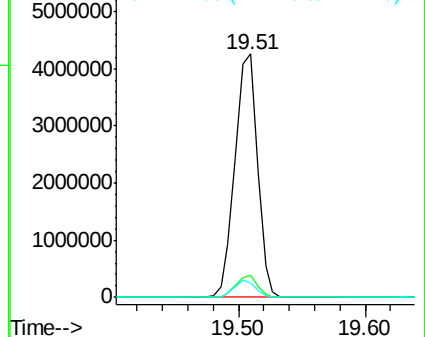
244 100

212 8.9 4.9 7.3#

122 6.1 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: 23.19 min Scan# 3452

Delta R.T. -0.01 min

Lab File: BM010896.D

Acq: 19 Jul 2017 16:49

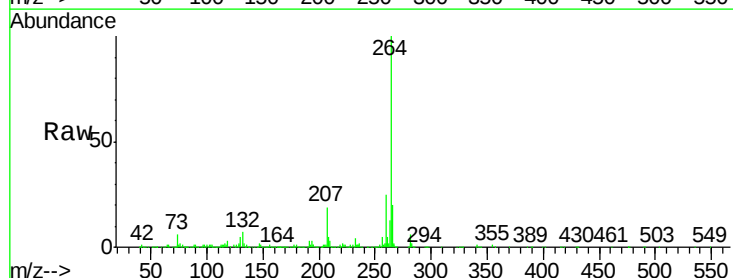
Tgt Ion:264 Resp: 1016797

Ion Ratio Lower Upper

264 100

260 24.6 18.6 27.8

265 20.1 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

