

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071118\  
 Data File : BM015894.D  
 Acq On : 11 Jul 2018 18:23  
 Operator : SJ/JU  
 Sample : J3828-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 12 03:50:48 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 05 17:39:50 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 77857    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.12 | 136  | 292495   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.91 | 164  | 148651   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.64 | 188  | 298401   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.75 | 240  | 263204   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.14 | 264  | 265570   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.80  | 112  | 711266   | 156.67 | ng    | -0.02    |
| 7) Phenol-d6                | 7.45  | 99   | 820269   | 131.98 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.48  | 82   | 674138   | 112.45 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.39 | 330  | 303304   | 156.16 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.54 | 172  | 1318359  | 110.11 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.20 | 244  | 1663828  | 117.25 | ng    | -0.02    |

Target Compounds Qvalue

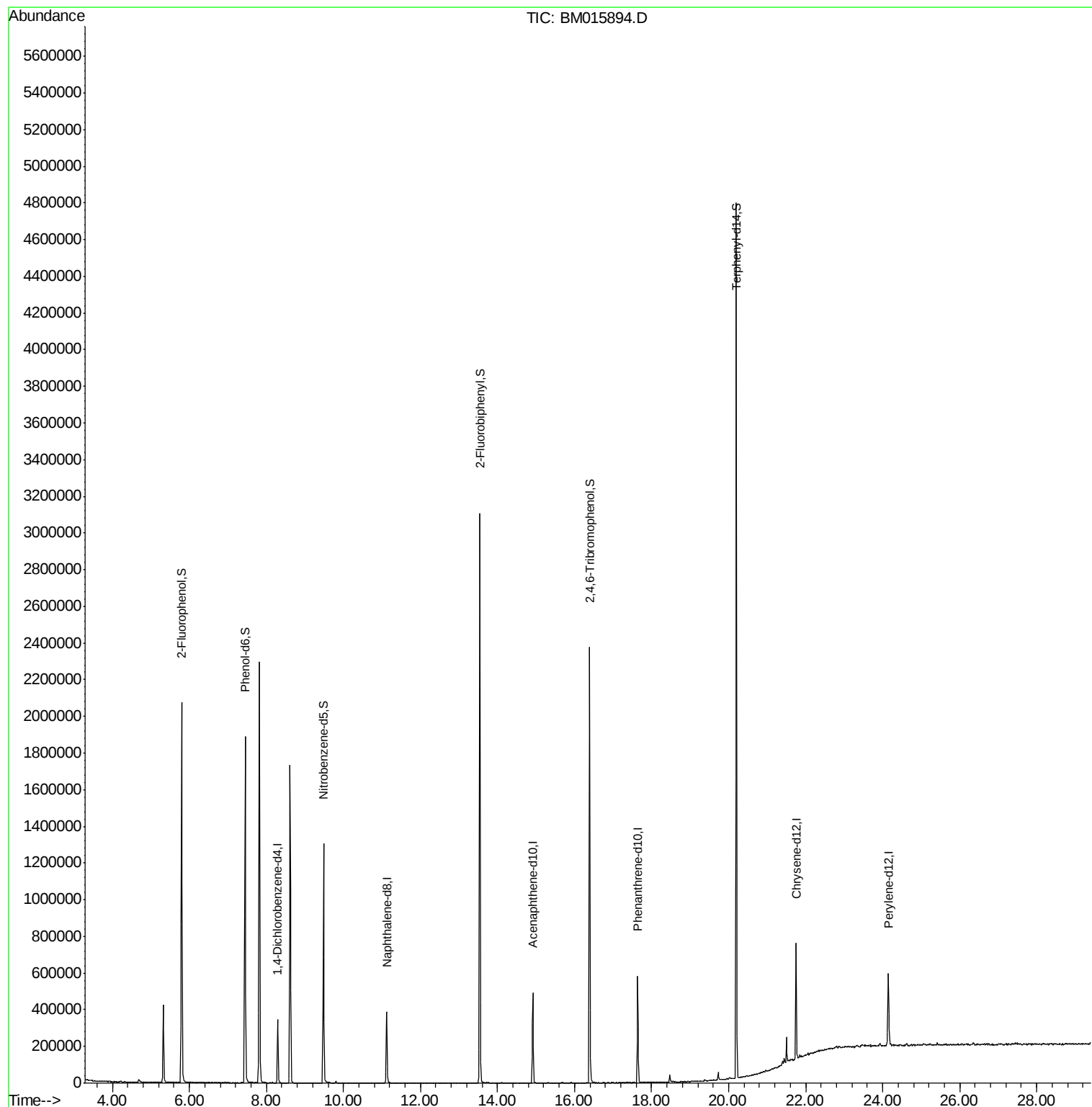
-----

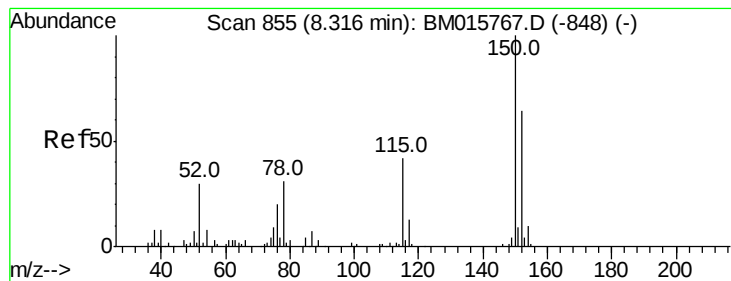
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071118\  
Data File : BM015894.D  
Acq On : 11 Jul 2018 18:23  
Operator : SJ/JU  
Sample : J3828-02  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Jul 12 03:50:48 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 05 17:39:50 2018  
Response via : Initial Calibration



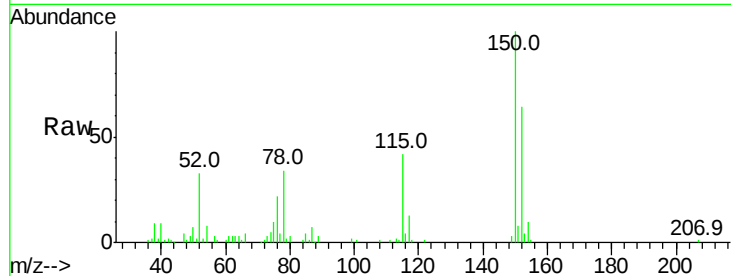


#1

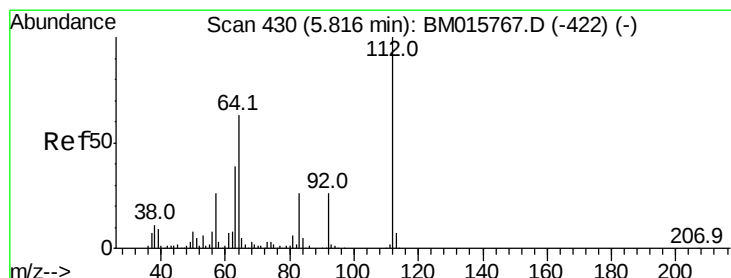
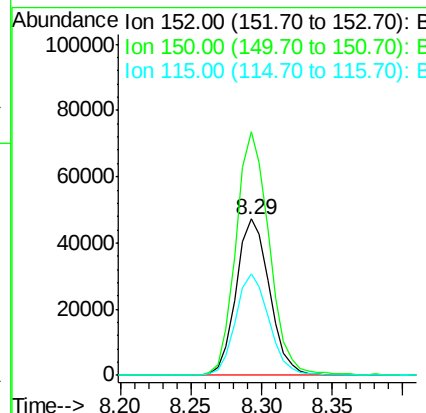
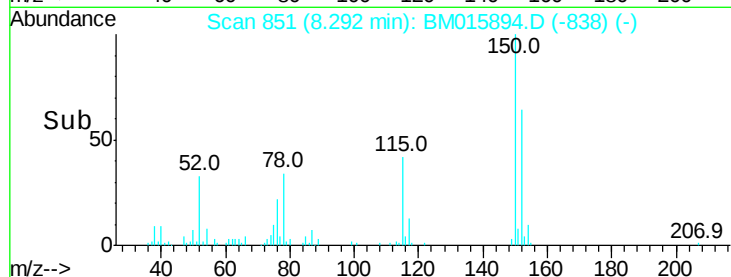
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.29 min Scan# 851  
Delta R.T. -0.02 min  
Lab File: BM015894.D  
Acq: 11 Jul 2018 18:23

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:152 Resp: 77857  
Ion Ratio Lower Upper  
152 100  
150 156.0 119.5 179.3  
115 65.4 43.0 64.4#



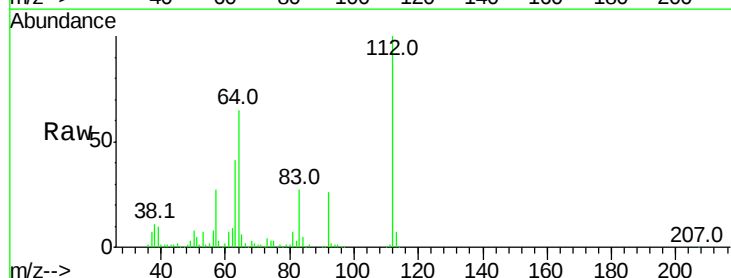
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



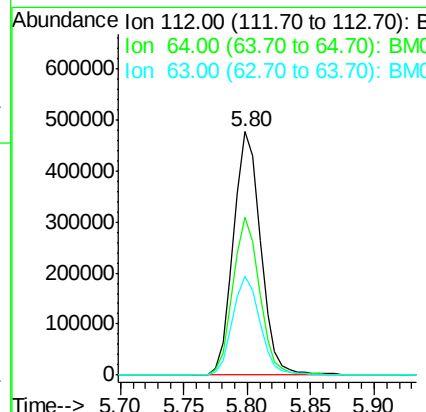
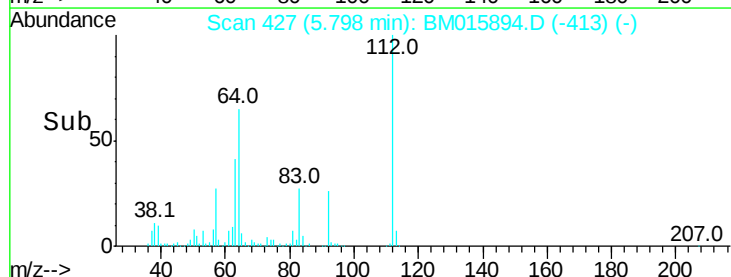
#5

2-Fluorophenol  
Concen: Below ng  
RT: 5.80 min Scan# 427  
Delta R.T. -0.02 min  
Lab File: BM015894.D  
Acq: 11 Jul 2018 18:23

Tgt Ion:112 Resp: 711266  
Ion Ratio Lower Upper  
112 100  
64 64.6 38.6 57.8#  
63 40.8 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: N.D. ng

RT: 7.45 min Scan# 707

Delta R.T. -0.02 min

Lab File: BM015894.D

Acq: 11 Jul 2018 18:23

Instrument :

BNA\_M

ClientSampleId :

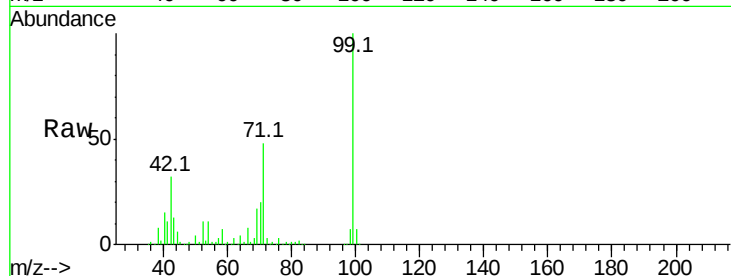
Tot Ion: 99 Resp: 820269

Ion Ratio Lower Upper

99 100

42 32.1 11.0 16.4#

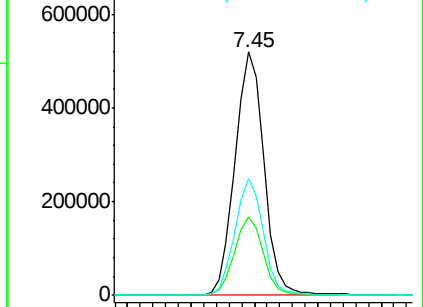
71 47.8 23.4 35.2#



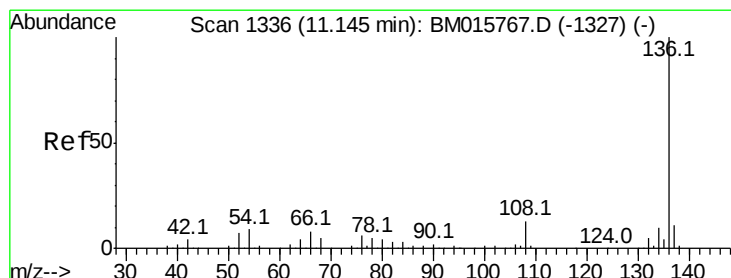
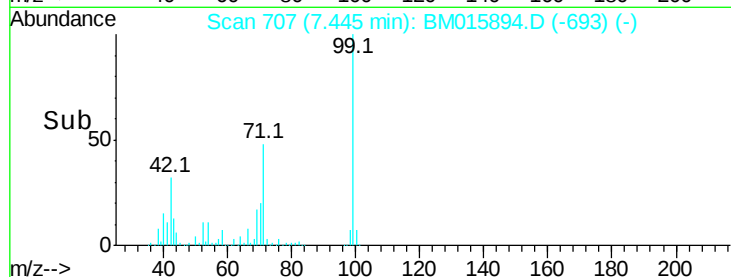
Abundance Ion 99.00 (98.70 to 99.70): BM015767.D (-702) (-)

Ion 42.00 (41.70 to 42.70): BM015767.D (-702) (-)

Ion 71.00 (70.70 to 71.70): BM015767.D (-702) (-)



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.12 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BM015894.D

Acq: 11 Jul 2018 18:23

Tgt Ion: 136 Resp: 292495

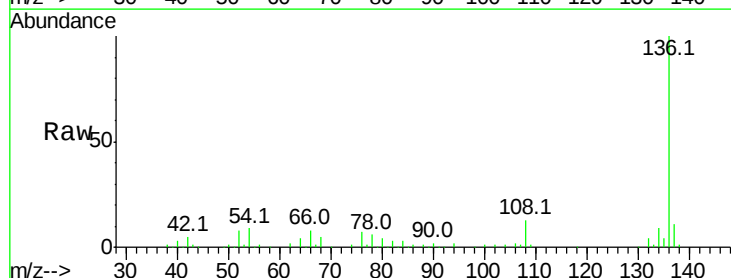
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 8.8 4.6 6.8#

68 4.8 3.7 5.5

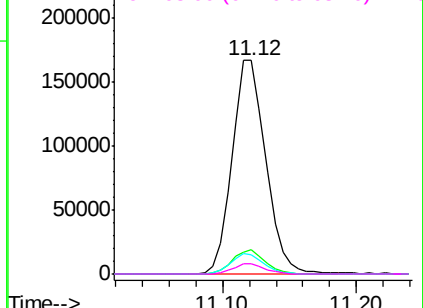


Abundance Ion 136.00 (135.70 to 136.70): BM015767.D (-1327) (-)

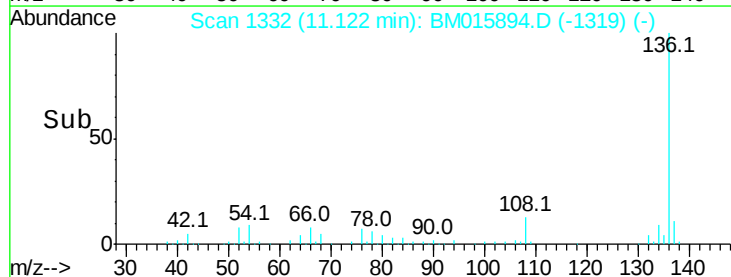
Ion 137.00 (136.70 to 137.70): BM015767.D (-1327) (-)

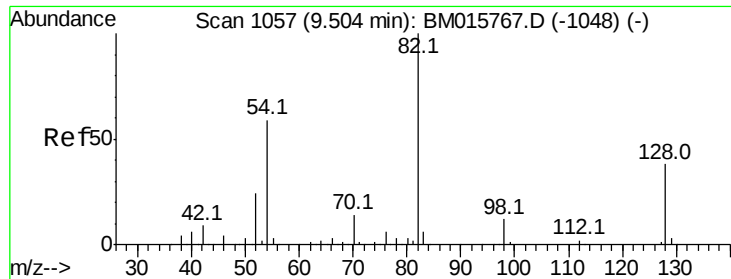
Ion 54.00 (53.70 to 54.70): BM015767.D (-1327) (-)

Ion 68.00 (67.70 to 68.70): BM015767.D (-1327) (-)



Time-->

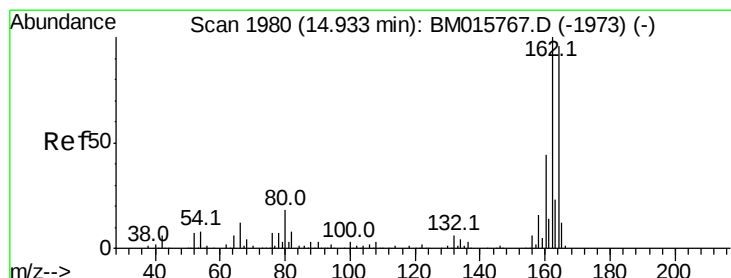
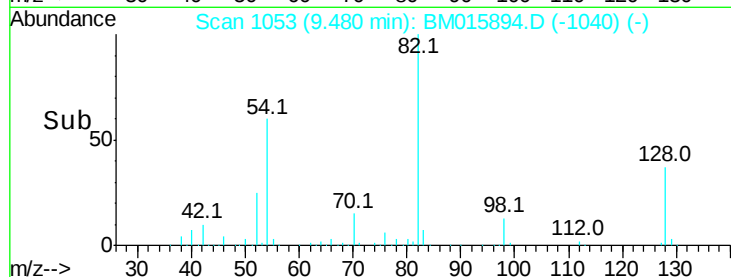
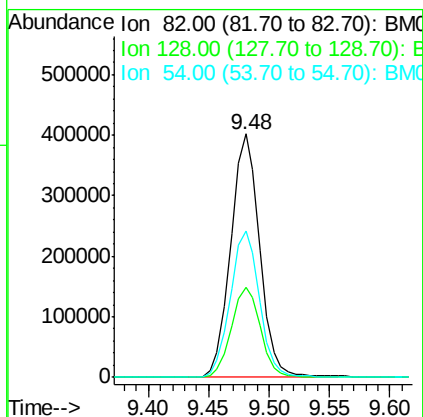
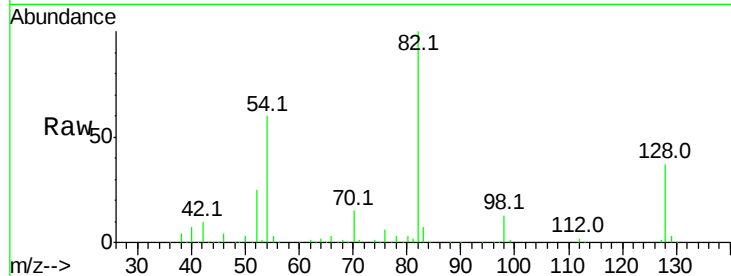




#23  
Nitrobenzene-d5  
Concen: N.D. ng  
RT: 9.48 min Scan# 1053  
Delta R.T. -0.02 min  
Lab File: BM015894.D  
Acq: 11 Jul 2018 18:23

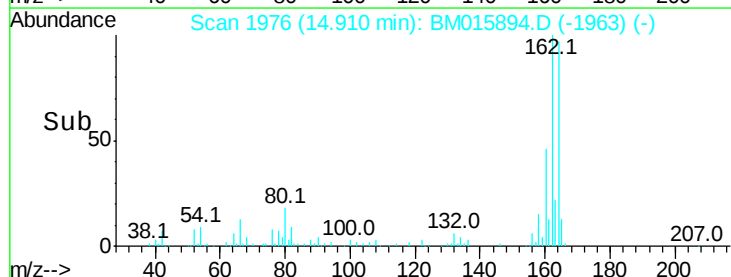
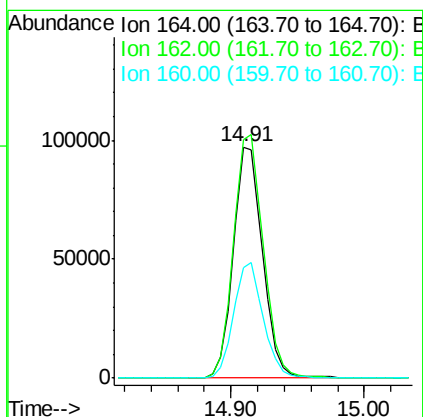
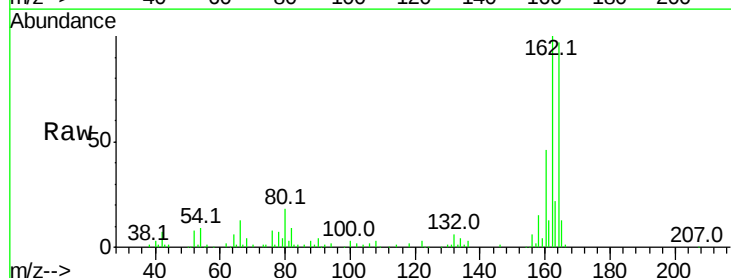
Instrument :  
BNA\_M  
ClientSampleId :

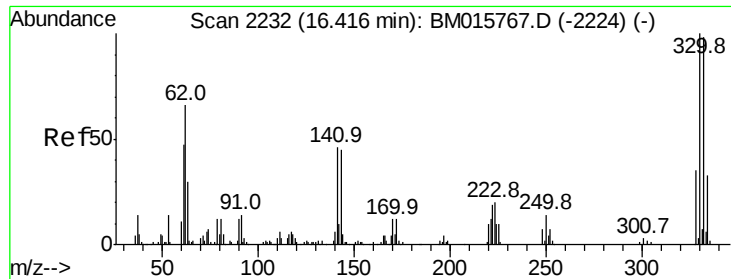
Tot Ion: 82 Resp: 674138  
Ion Ratio Lower Upper  
82 100  
128 37.2 32.8 49.2  
54 59.9 40.6 60.8



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.91 min Scan# 1976  
Delta R.T. -0.02 min  
Lab File: BM015894.D  
Acq: 11 Jul 2018 18:23

Tgt Ion:164 Resp: 148651  
Ion Ratio Lower Upper  
164 100  
162 102.9 82.4 123.6  
160 47.7 35.8 53.6

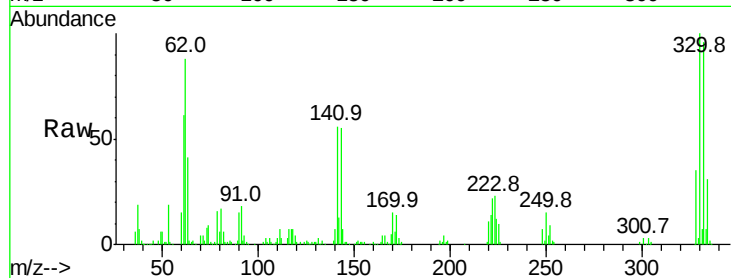




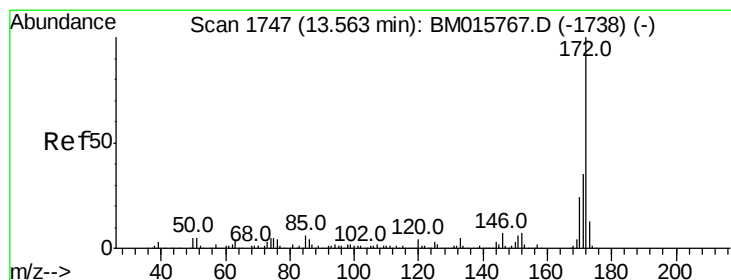
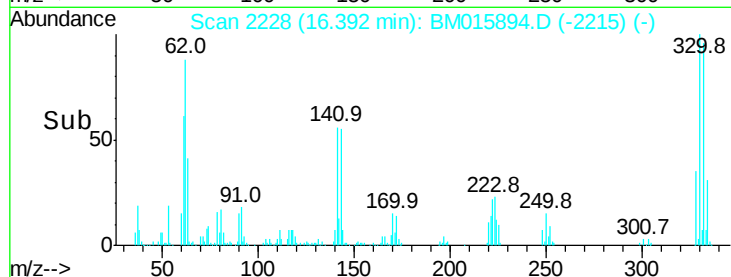
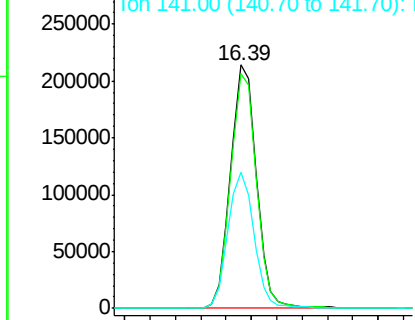
#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.39 min Scan# 2228  
 Delta R.T. -0.02 min  
 Lab File: BM015894.D  
 Acq: 11 Jul 2018 18:23

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:330 Resp: 303304  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 0.0 0.0#  
 141 56.6 0.0 0.0#

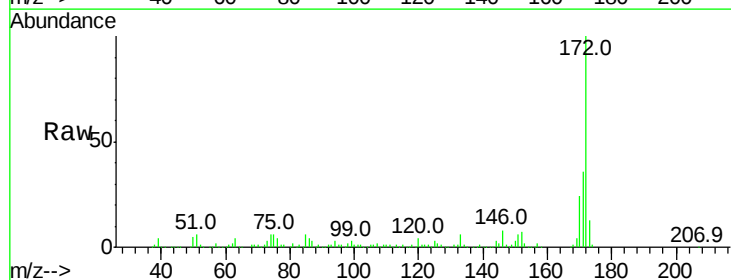


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

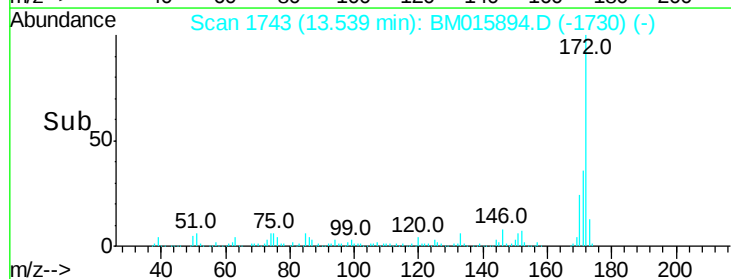
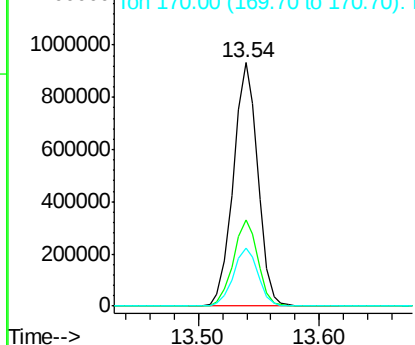


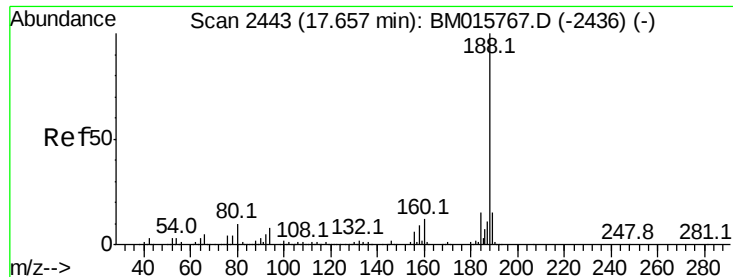
#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.54 min Scan# 1743  
 Delta R.T. -0.02 min  
 Lab File: BM015894.D  
 Acq: 11 Jul 2018 18:23

Tgt Ion:172 Resp: 1318359  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 28.5 42.7  
 170 24.0 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

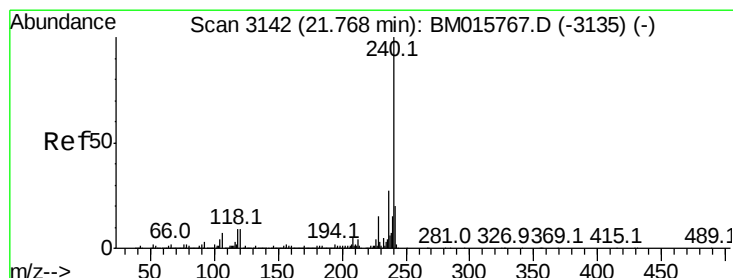
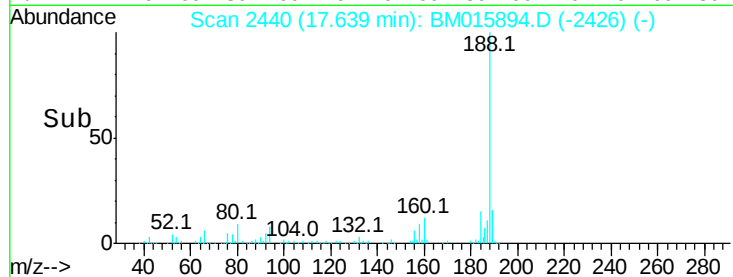
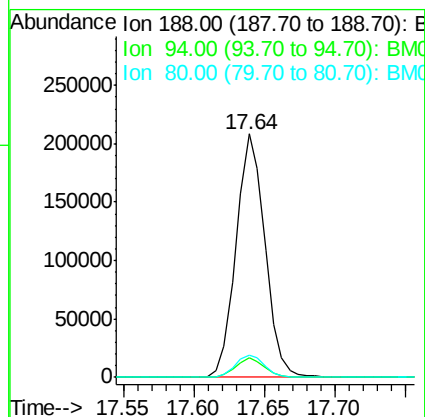
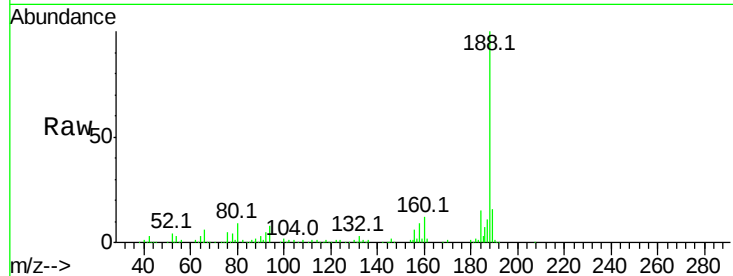




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.64 min Scan# 2440  
Delta R.T. -0.02 min  
Lab File: BM015894.D  
Acq: 11 Jul 2018 18:23

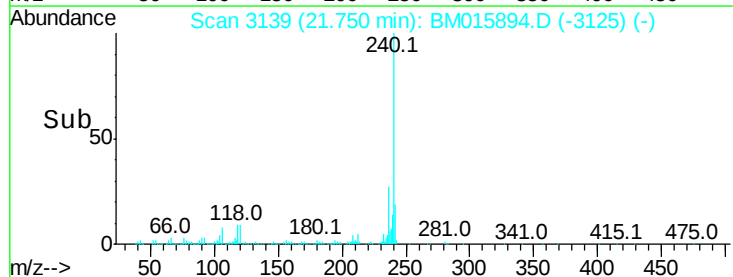
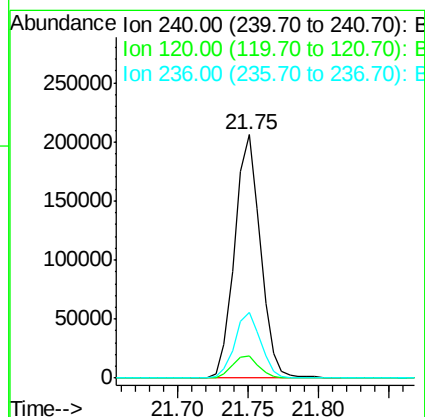
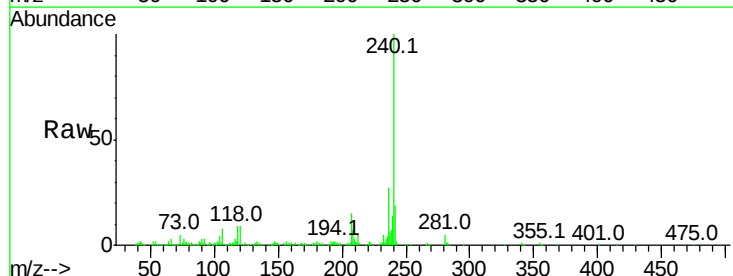
Instrument :  
BNA\_M  
ClientSampled :

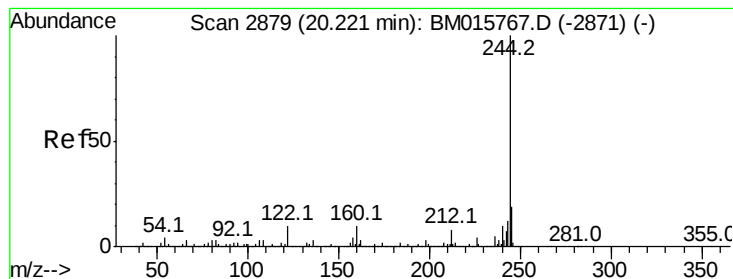
Tot Ion:188 Resp: 298401  
Ion Ratio Lower Upper  
188 100  
94 7.9 8.7 13.1#  
80 9.1 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.75 min Scan# 3139  
Delta R.T. -0.02 min  
Lab File: BM015894.D  
Acq: 11 Jul 2018 18:23

Tgt Ion:240 Resp: 263204  
Ion Ratio Lower Upper  
240 100  
120 9.1 8.2 12.2  
236 27.2 20.0 30.0





#78

Terphenyl-d14

Concen: Below na

RT: 20.20 min Scan# 2876

Delta R.T. -0.02 min

Lab File: BM015894.D

Acq: 11 Jul 2018 18:23

Instrument :

BNA\_M

ClientSampleId :

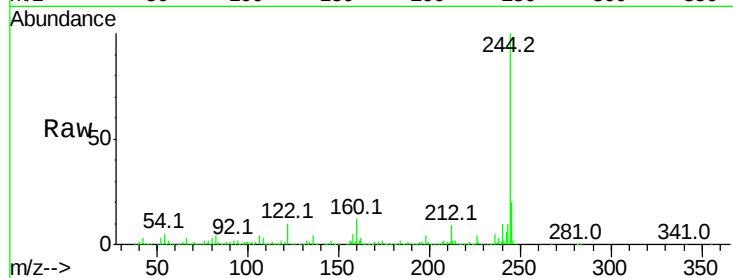
Tot Ion:244 Resp: 1663828

Ion Ratio Lower Upper

244 100

212 8.7 4.9 7.3#

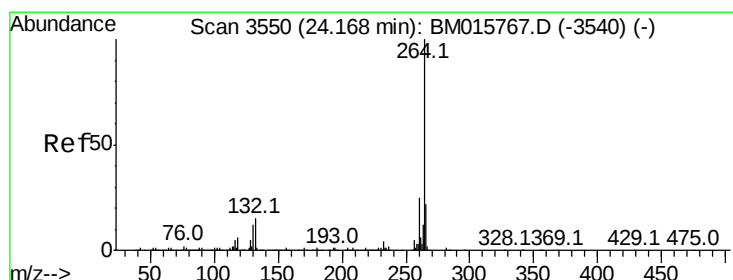
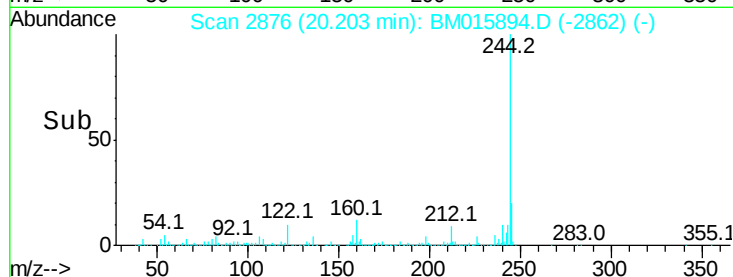
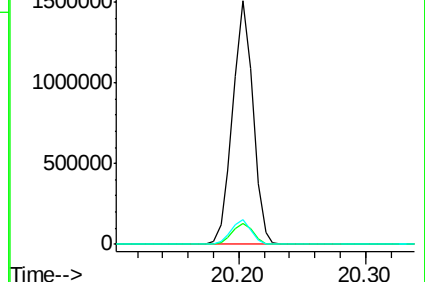
122 10.3 6.2 9.4#



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: 24.14 min Scan# 3546

Delta R.T. -0.02 min

Lab File: BM015894.D

Acq: 11 Jul 2018 18:23

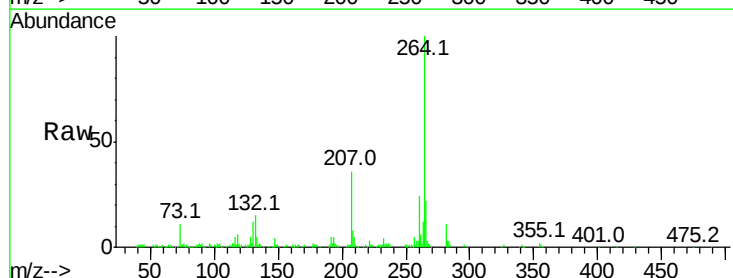
Tgt Ion:264 Resp: 265570

Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 22.4 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

