

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052218\  
 Data File : BM015263.D  
 Acq On : 23 May 2018 05:11  
 Operator : SJ/JU  
 Sample : PB108302BL  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB108302BL

Quant Time: May 23 14:37:37 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM052218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 22 15:47:28 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.40  | 152  | 287923   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.24 | 136  | 1183459  | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.02 | 164  | 639108   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.73 | 188  | 1338548  | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.83 | 240  | 1068149  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.27 | 264  | 942359   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.89  | 112  | 2423998  | 137.74 | ng    | 0.00     |
| 7) Phenol-d6                | 7.55  | 99   | 3124328  | 136.34 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.59  | 82   | 1957297  | 90.60  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.49 | 330  | 1116054  | 139.26 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.65 | 172  | 4525831  | 88.03  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.29 | 244  | 5450054  | 112.67 | ng    | 0.00     |

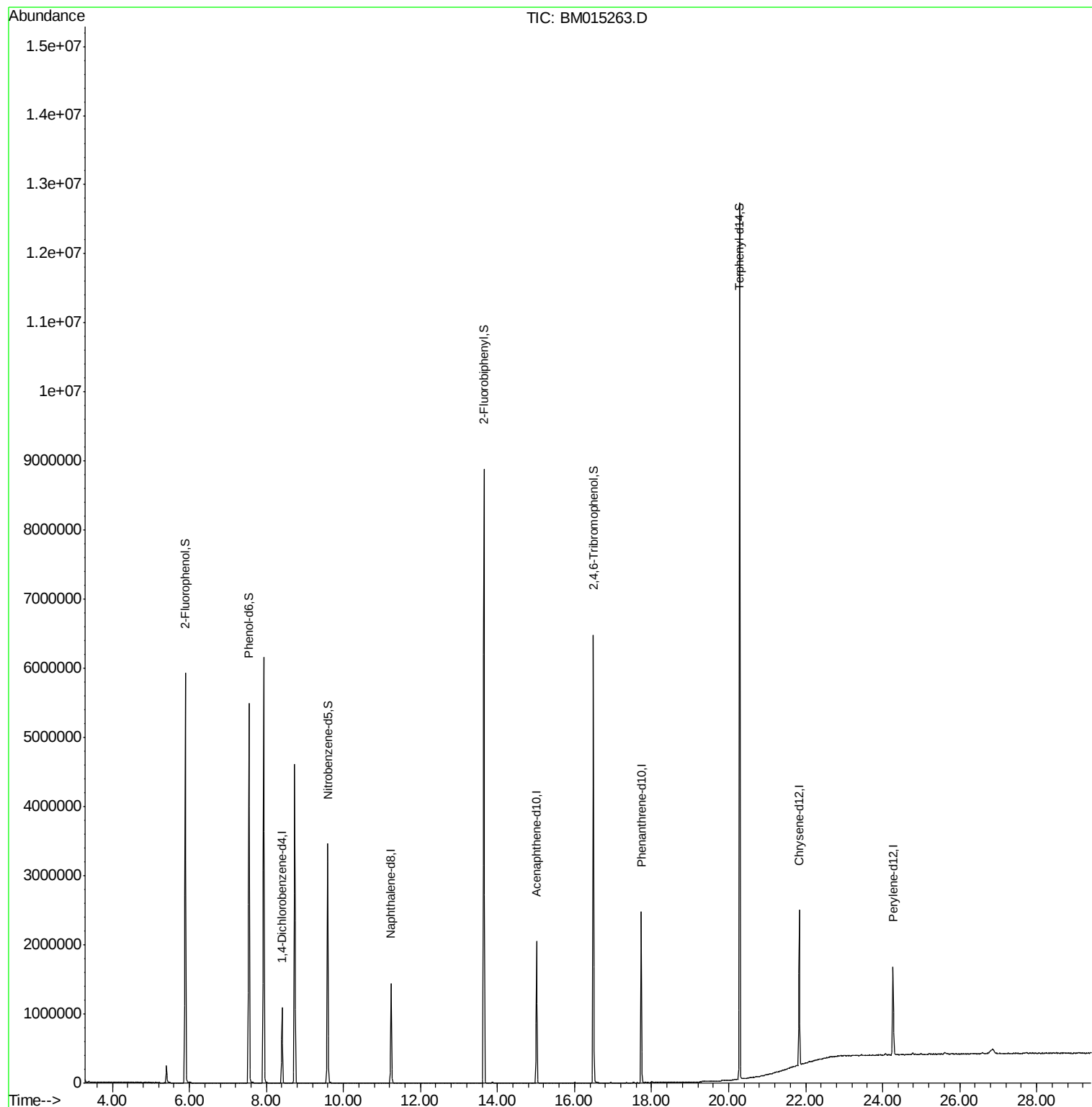
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

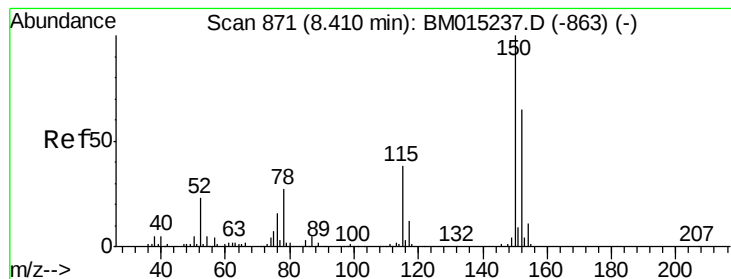
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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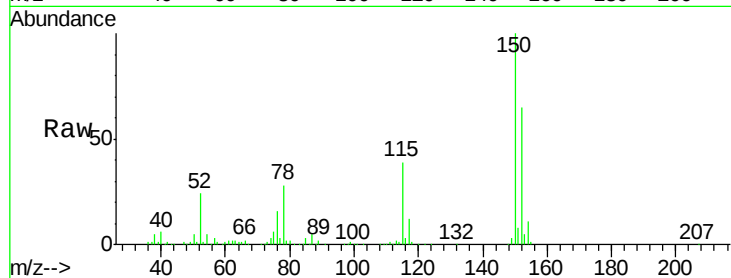


#1

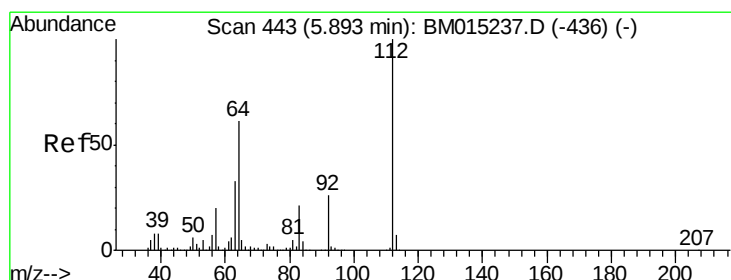
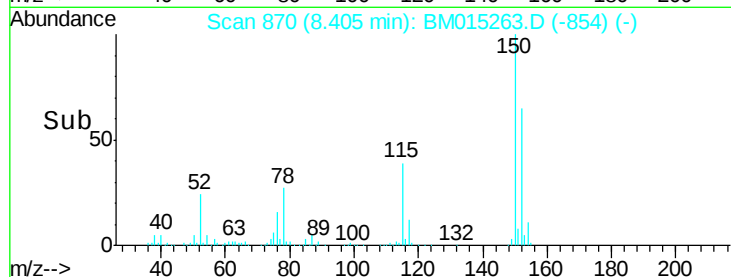
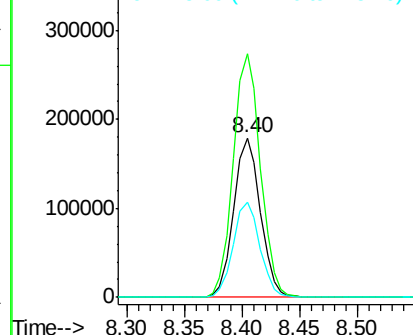
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.40 min Scan# 870  
Delta R.T. -0.01 min  
Lab File: BM015263.D  
Acq: 23 May 2018 05:11

Instrument :  
BNA\_M  
ClientSampleId :  
PB108302BL

Tgt Ion:152 Resp: 287923  
Ion Ratio Lower Upper  
152 100  
150 152.8 119.5 179.3  
115 60.0 43.0 64.4



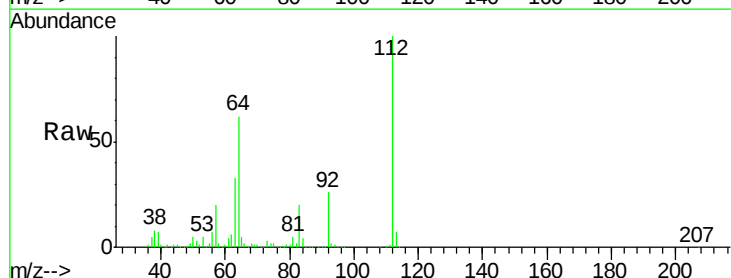
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



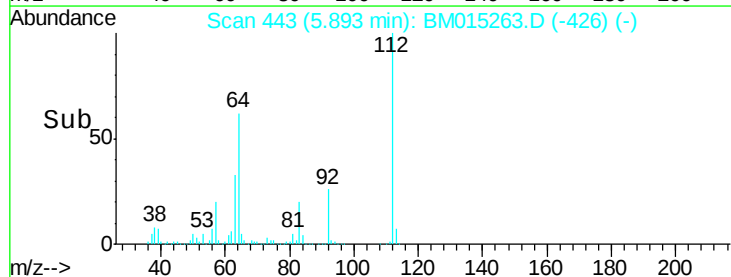
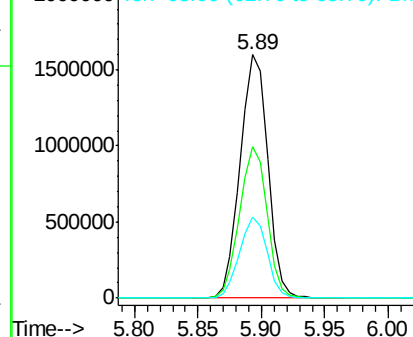
#5

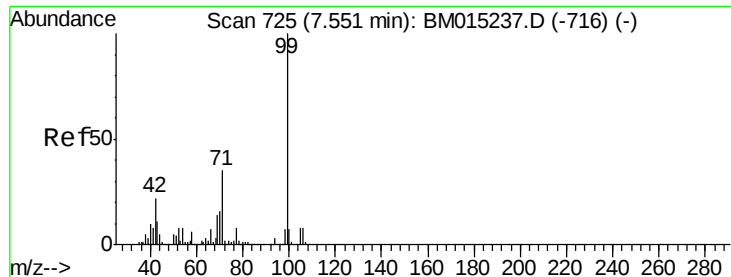
2-Fluorophenol  
Concen: 137.740 ng  
RT: 5.89 min Scan# 443  
Delta R.T. 0.00 min  
Lab File: BM015263.D  
Acq: 23 May 2018 05:11

Tgt Ion:112 Resp: 2423998  
Ion Ratio Lower Upper  
112 100  
64 62.4 38.6 57.8#  
63 33.1 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: 136.335 ng

RT: 7.55 min Scan# 725

Delta R.T. 0.01 min

Lab File: BM015263.D

Acq: 23 May 2018 05:11

Instrument :

BNA\_M

ClientSampleId :

PB108302BL

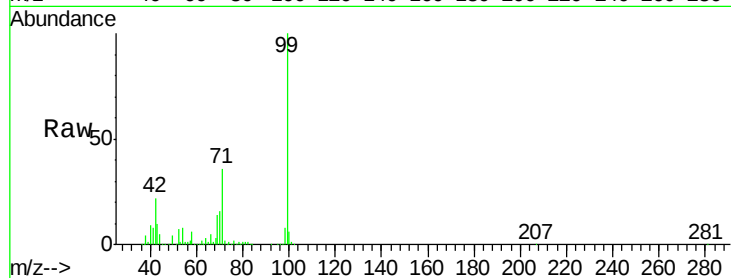
Tgt Ion: 99 Resp: 3124328

Ion Ratio Lower Upper

99 100

42 21.7 11.0 16.4#

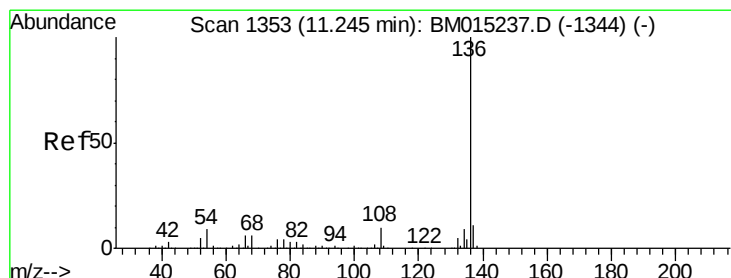
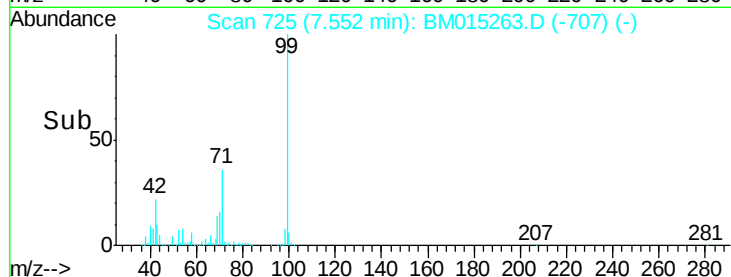
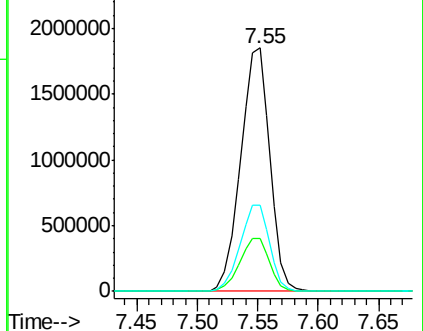
71 35.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM015237.D (-716) (-)

Ion 42.00 (41.70 to 42.70): BM015237.D (-716) (-)

Ion 71.00 (70.70 to 71.70): BM015237.D (-716) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.24 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BM015263.D

Acq: 23 May 2018 05:11

Tgt Ion: 136 Resp: 1183459

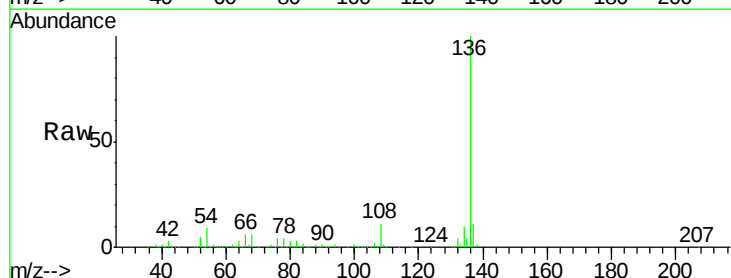
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 8.7 4.6 6.8#

68 6.3 3.7 5.5#

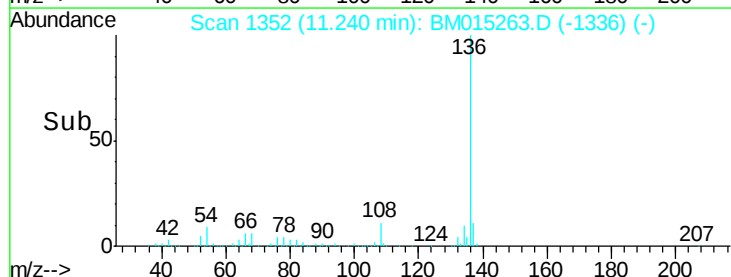
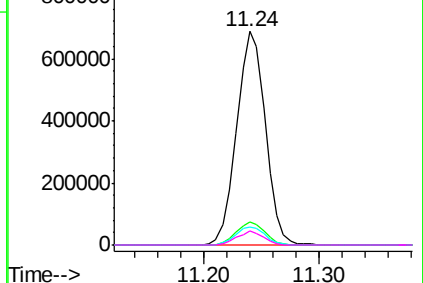


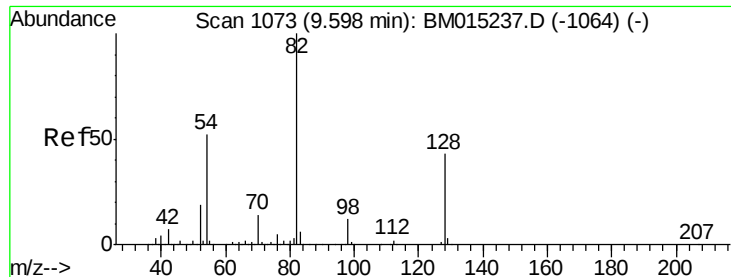
Abundance Ion 136.00 (135.70 to 136.70): BM015237.D (-1344) (-)

Ion 137.00 (136.70 to 137.70): BM015237.D (-1344) (-)

Ion 54.00 (53.70 to 54.70): BM015237.D (-1344) (-)

Ion 68.00 (67.70 to 68.70): BM015237.D (-1344) (-)

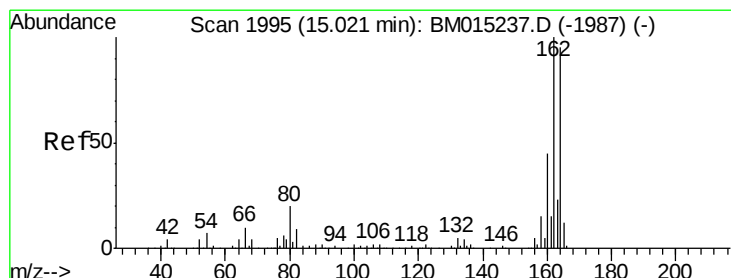
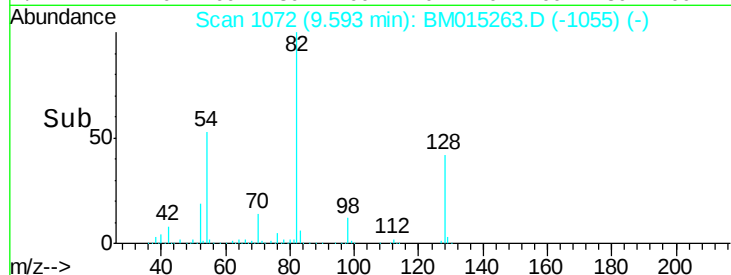
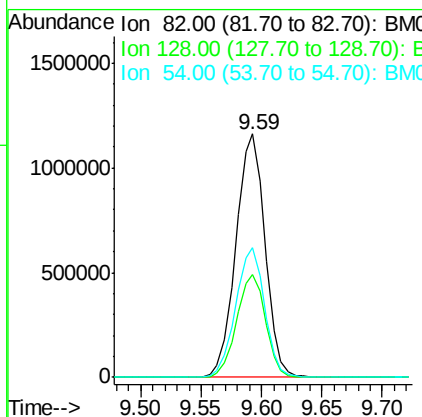
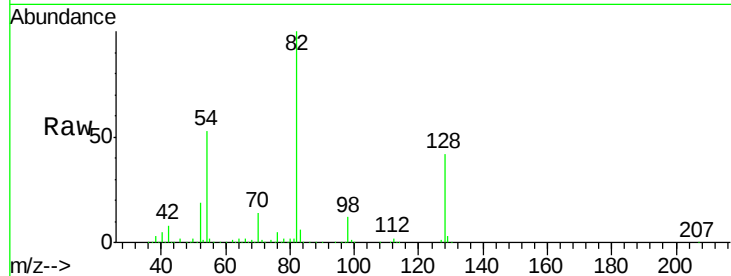




#23  
Nitrobenzene-d5  
Concen: 90.600 ng  
RT: 9.59 min Scan# 1072  
Delta R.T. 0.00 min  
Lab File: BM015263.D  
Acq: 23 May 2018 05:11

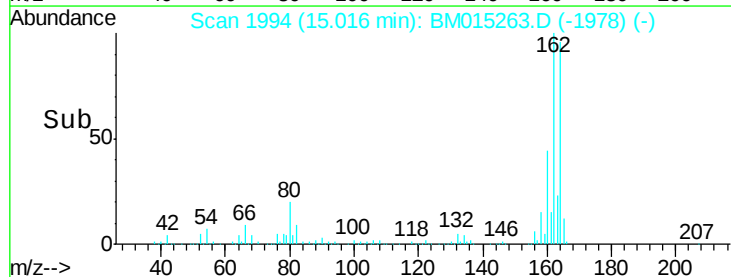
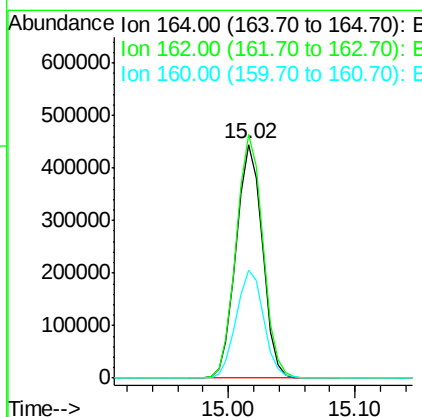
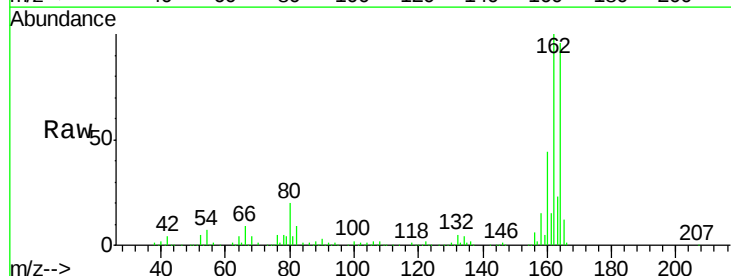
Instrument :  
BNA\_M  
ClientSampleId :  
PB108302BL

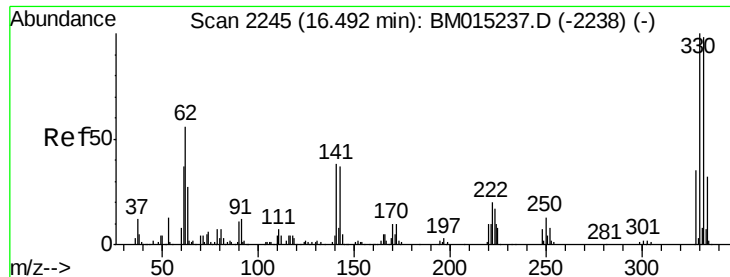
Tgt Ion: 82 Resp: 1957297  
Ion Ratio Lower Upper  
82 100  
128 42.1 32.8 49.2  
54 53.0 40.6 60.8



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.02 min Scan# 1994  
Delta R.T. -0.01 min  
Lab File: BM015263.D  
Acq: 23 May 2018 05:11

Tgt Ion: 164 Resp: 639108  
Ion Ratio Lower Upper  
164 100  
162 104.1 82.4 123.6  
160 46.0 35.8 53.6

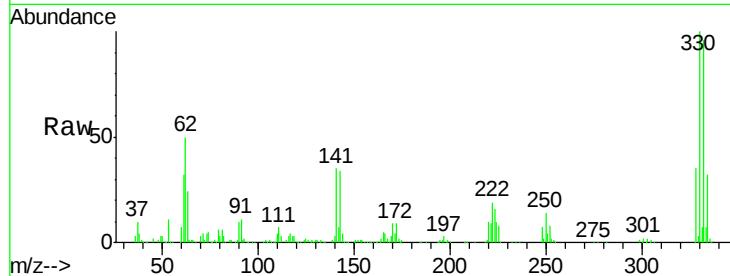




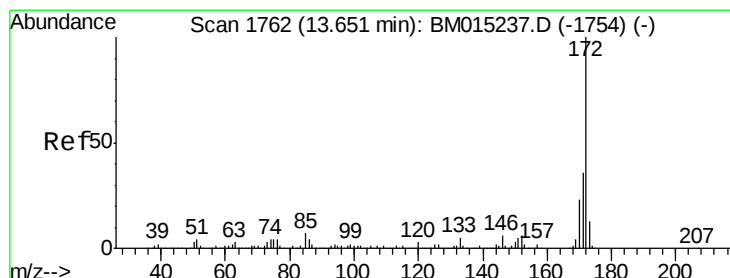
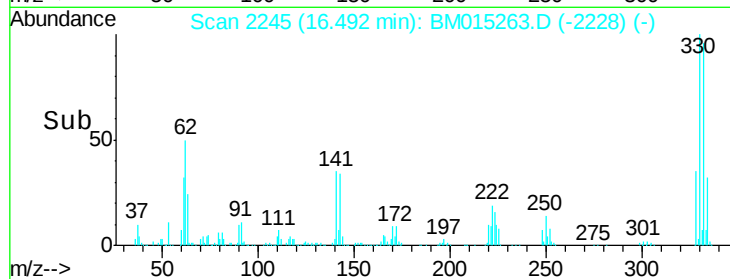
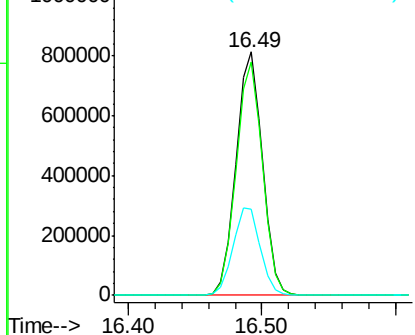
#41  
 2,4,6-Tribromophenol  
 Concen: 139.259 ng  
 RT: 16.49 min Scan# 2245  
 Delta R.T. 0.00 min  
 Lab File: BM015263.D  
 Acq: 23 May 2018 05:11

Instrument :  
 BNA\_M  
 ClientSampleID :  
 PB108302BL

Tgt Ion:330 Resp: 1116054  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 0.0 0.0#  
 141 37.4 0.0 0.0#

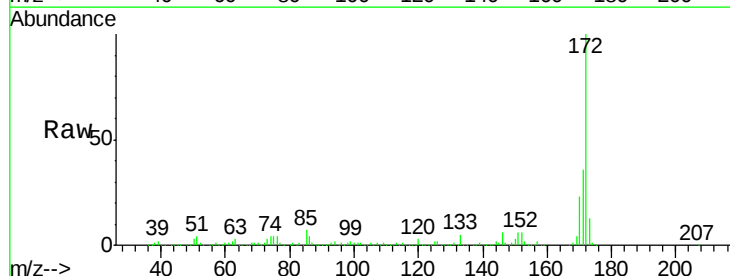


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

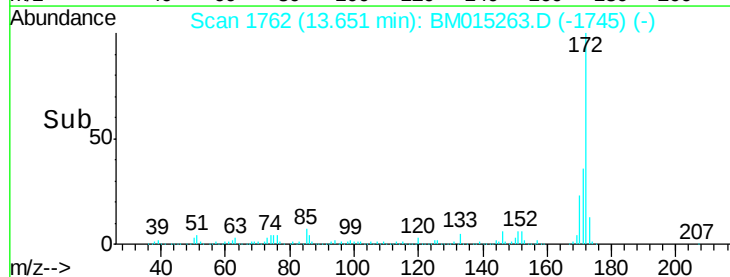
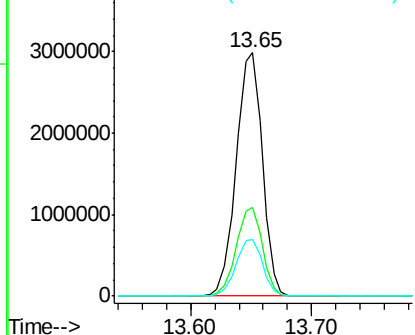


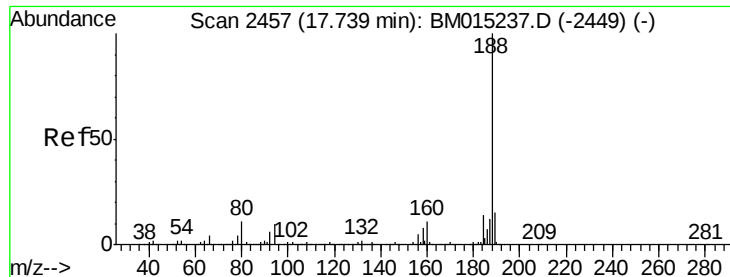
#44  
 2-Fluorobiphenyl  
 Concen: 88.032 ng  
 RT: 13.65 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: BM015263.D  
 Acq: 23 May 2018 05:11

Tgt Ion:172 Resp: 4525831  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 28.5 42.7  
 170 23.5 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

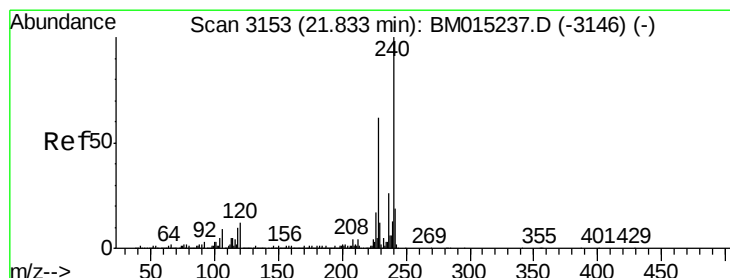
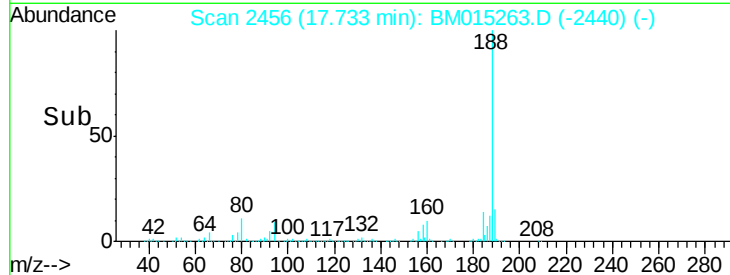
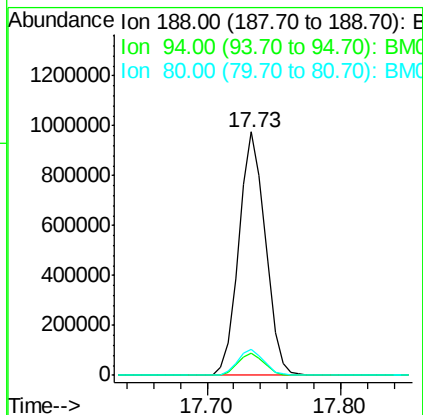
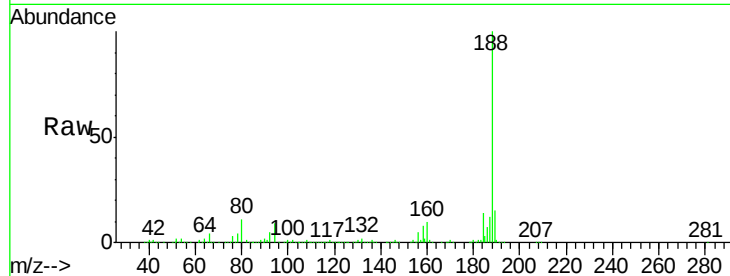




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.73 min Scan# 2456  
Delta R.T. -0.01 min  
Lab File: BM015263.D  
Acq: 23 May 2018 05:11

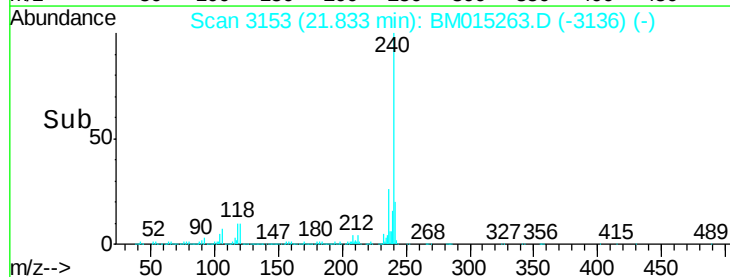
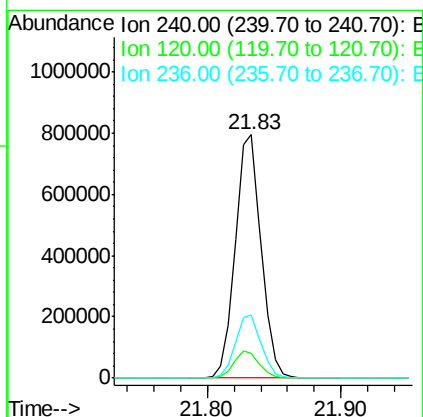
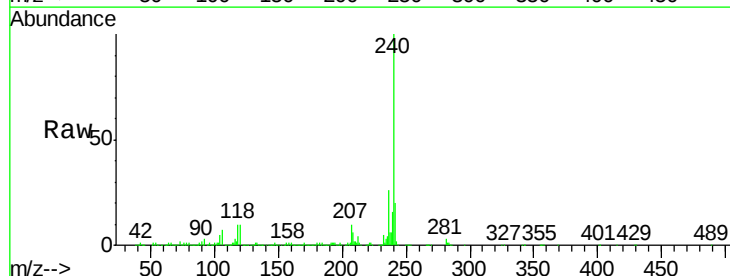
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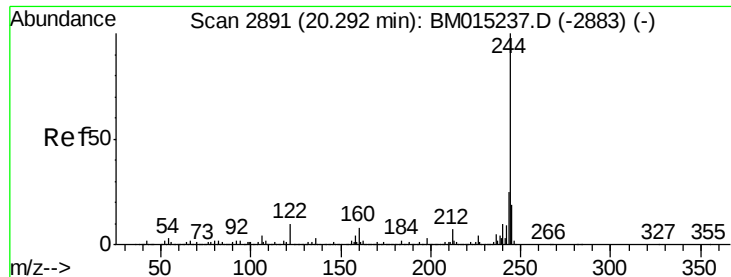
Tgt Ion:188 Resp: 1338548  
Ion Ratio Lower Upper  
188 100  
94 9.1 8.7 13.1  
80 10.6 9.3 13.9



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.83 min Scan# 3153  
Delta R.T. 0.00 min  
Lab File: BM015263.D  
Acq: 23 May 2018 05:11

Tgt Ion:240 Resp: 1068149  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.2 12.2  
236 25.9 20.0 30.0





#78

Terphenyl-d14

Concen: 112.671 ng

RT: 20.29 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BM015263.D

Acq: 23 May 2018 05:11

Instrument :

BNA\_M

ClientSampleId :

PB108302BL

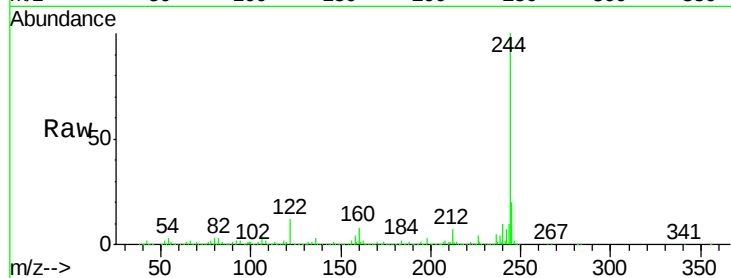
Tgt Ion:244 Resp: 5450054

Ion Ratio Lower Upper

244 100

212 7.4 4.9 7.3#

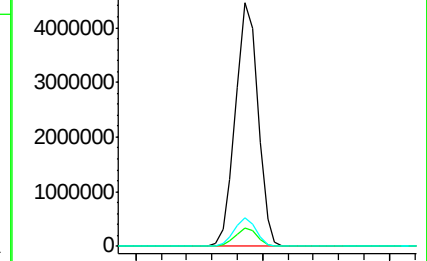
122 11.7 6.2 9.4#



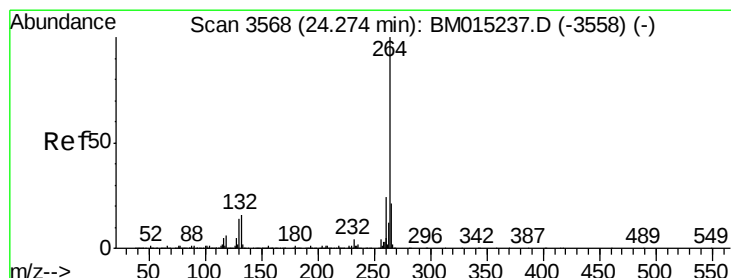
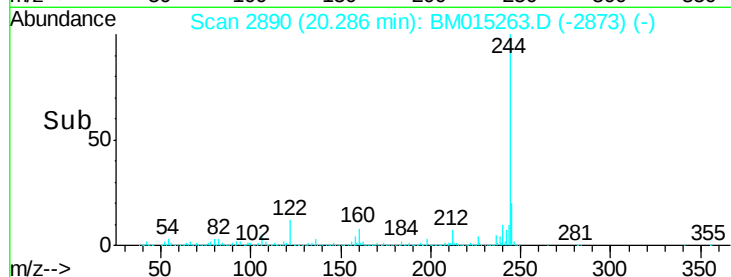
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.20 20.30 20.40



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.27 min Scan# 3567

Delta R.T. -0.01 min

Lab File: BM015263.D

Acq: 23 May 2018 05:11

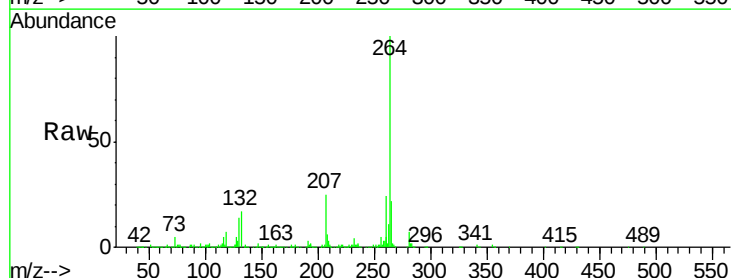
Tgt Ion:264 Resp: 942359

Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

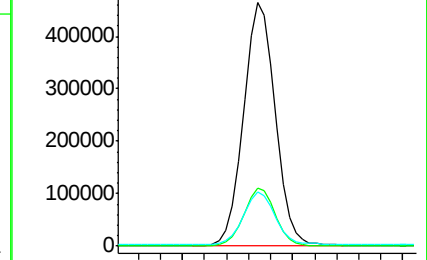
265 22.1 17.3 25.9



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



Time--> 24.20 24.30

