

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM070618\  
 Data File : BM015829.D  
 Acq On : 07 Jul 2018 08:01  
 Operator : SJ/JU  
 Sample : J3854-04  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 S5

Quant Time: Jul 09 00:54:17 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   | 8.30  | 152  | 111285   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 11.13 | 136  | 441604   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.92 | 164  | 253889   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.65 | 188  | 587073   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.76 | 240  | 548299   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.16 | 264  | 466122   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.81  | 112  | 909773   | 140.20 | ng    | 0.00     |
| 7) Phenol-d6                | 7.46  | 99   | 1060791  | 119.41 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.49  | 82   | 898725   | 99.30  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 563271   | 169.79 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.55 | 172  | 1978964  | 96.77  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.22 | 244  | 3604222  | 121.93 | ng    | 0.00     |

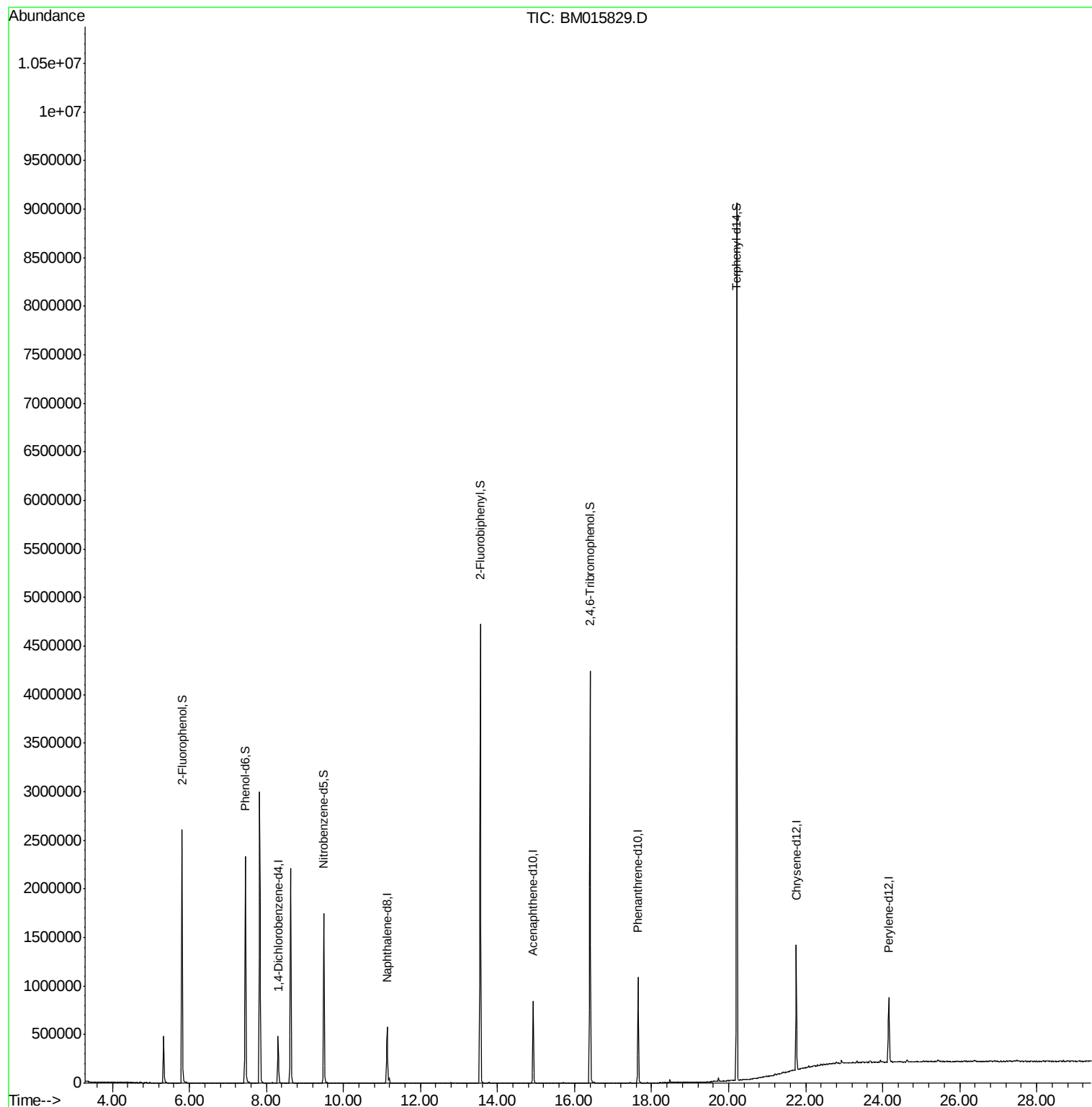
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

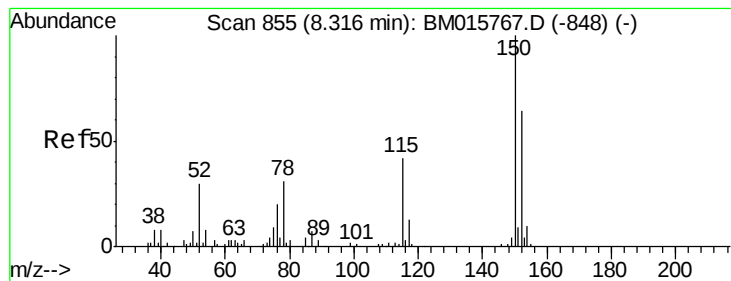
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 05 17:39:50 2018  
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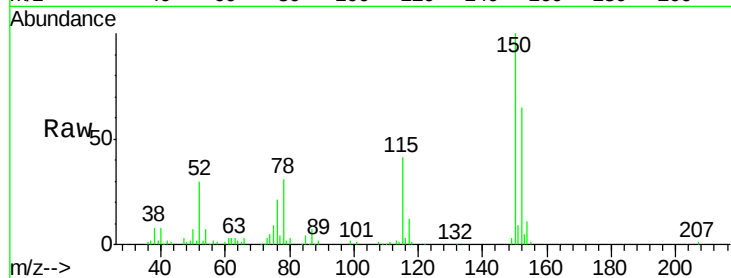


#1

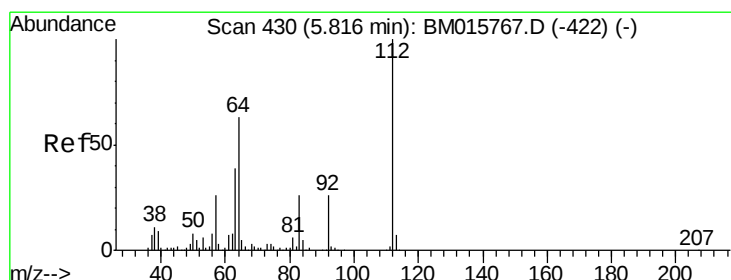
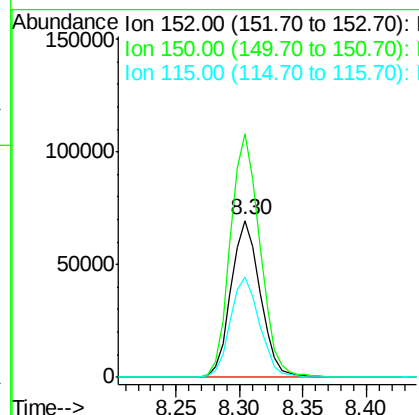
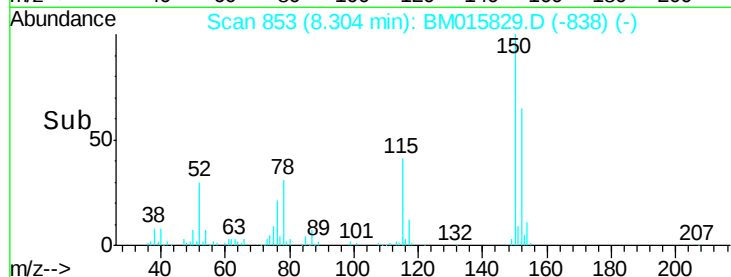
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.30 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: BM015829.D  
Acq: 07 Jul 2018 08:01

Instrument :  
BNA\_M  
ClientSampled :  
S5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.9 | 119.5 | 179.3 |
| 115     | 63.5  | 43.0  | 64.4  |



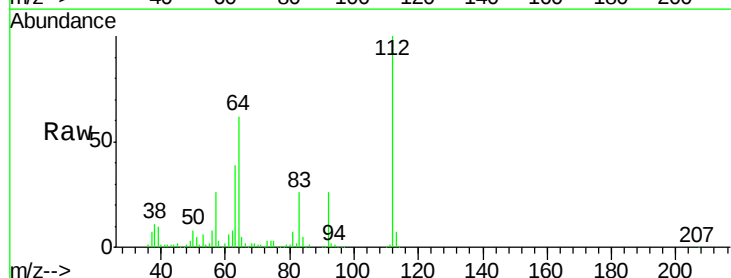
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



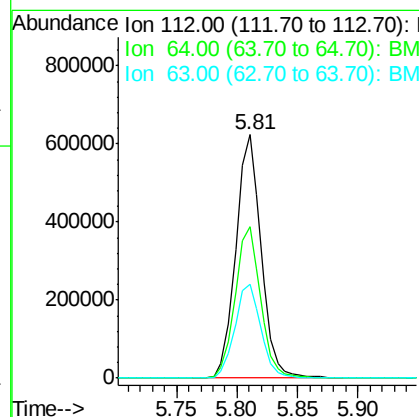
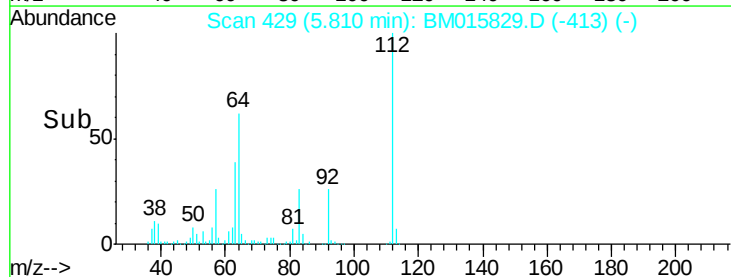
#5

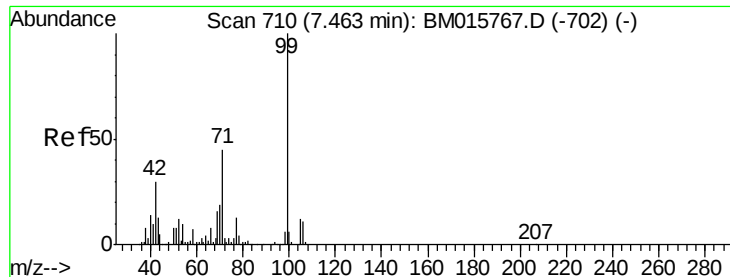
2-Fluorophenol  
Concen: Below ng  
RT: 5.81 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: BM015829.D  
Acq: 07 Jul 2018 08:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.3  | 38.6  | 57.8# |
| 63      | 38.8  | 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: 7.46 min Scan# 709

Delta R.T. -0.01 min

Lab File: BM015829.D

Acq: 07 Jul 2018 08:01

Instrument :

BNA\_M

ClientSampleId :

S5

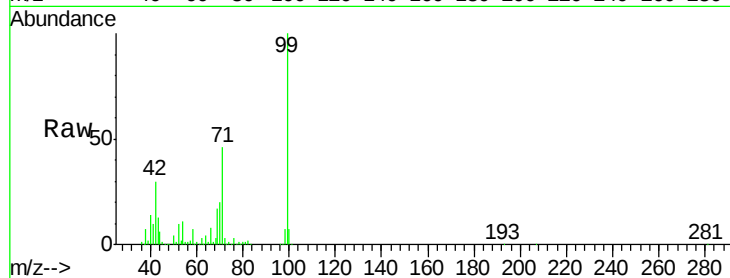
Tgt Ion: 99 Resp: 1060791

Ion Ratio Lower Upper

99 100

42 30.2 11.0 16.4#

71 45.7 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) (-)

7.46

800000

600000

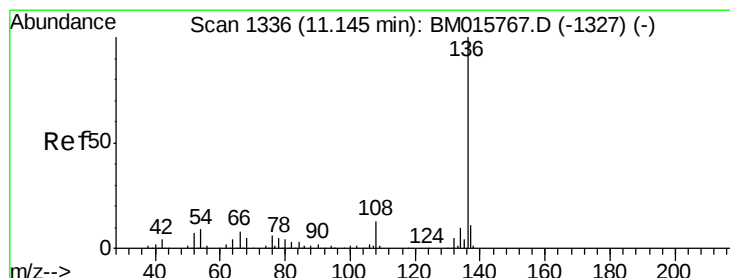
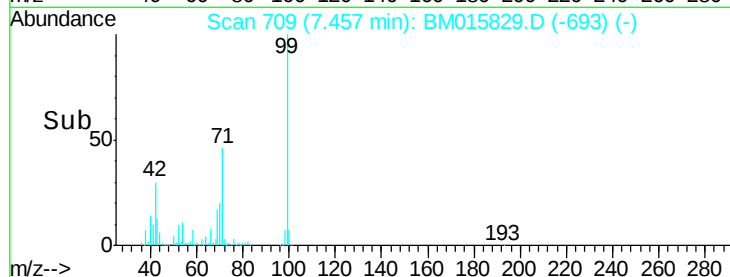
400000

200000

0

7.40 7.45 7.50 7.55

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.13 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM015829.D

Acq: 07 Jul 2018 08:01

Tgt Ion: 136 Resp: 441604

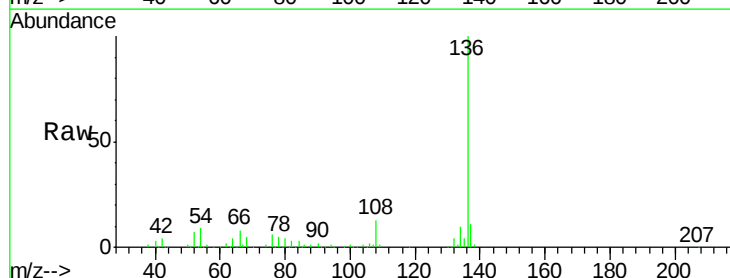
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.4 4.6 6.8#

68 4.9 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) (-)

400000

300000

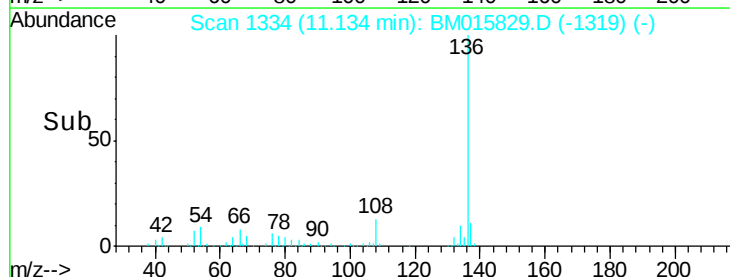
200000

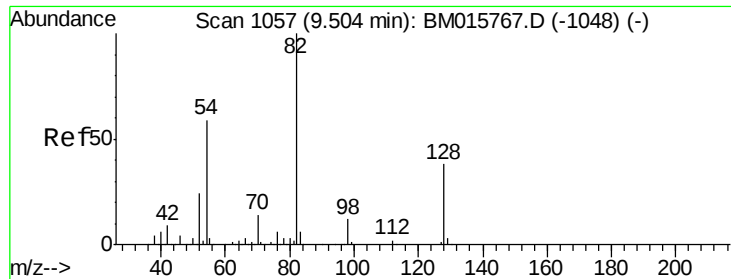
100000

0

11.10 11.20

Time-->

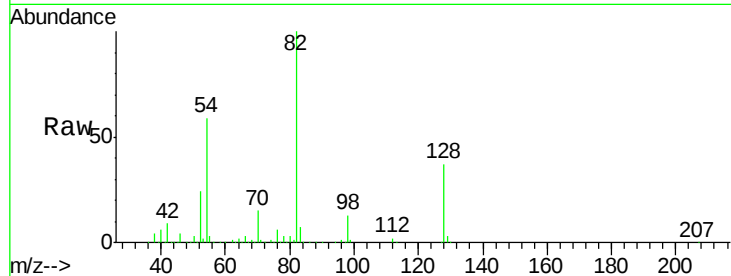




#23  
 Nitrobenzene-d5  
 Concen: Below ng  
 RT: 9.49 min Scan# 1055  
 Delta R.T. -0.01 min  
 Lab File: BM015829.D  
 Acq: 07 Jul 2018 08:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 S5

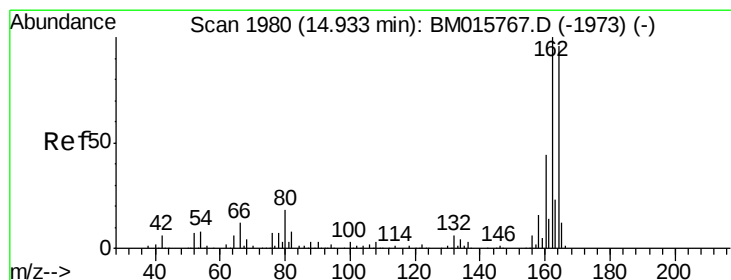
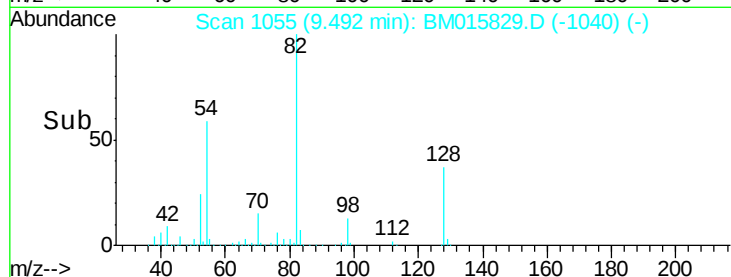
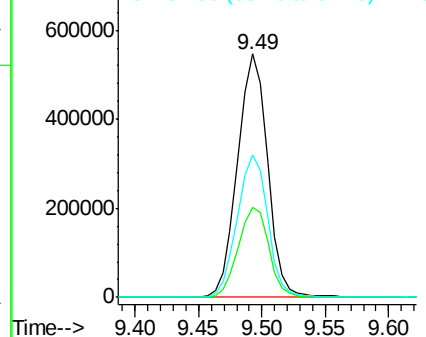
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.2  | 32.8  | 49.2  |
| 54      | 58.7  | 40.6  | 60.8  |



Abundance Ion 82.00 (81.70 to 82.70): BM015767.D (-1048) (-)

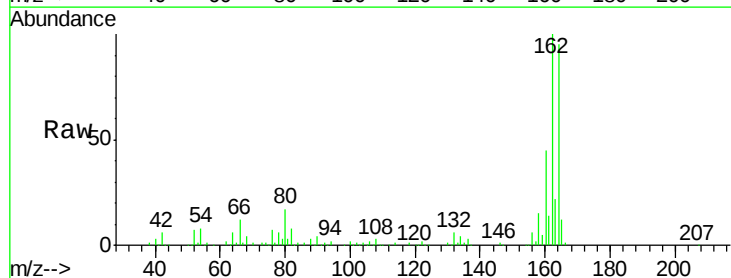
Ion 128.00 (127.70 to 128.70): BM015767.D (-1048) (-)

Ion 54.00 (53.70 to 54.70): BM015767.D (-1048) (-)



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.92 min Scan# 1978  
 Delta R.T. -0.01 min  
 Lab File: BM015829.D  
 Acq: 07 Jul 2018 08:01

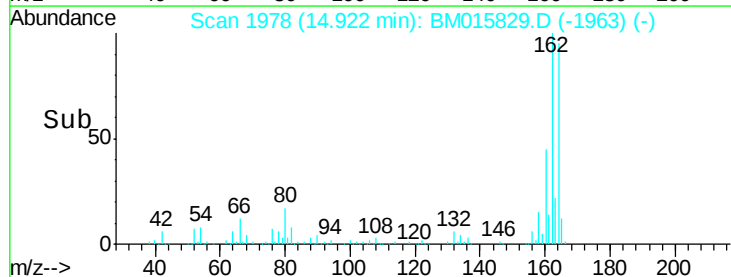
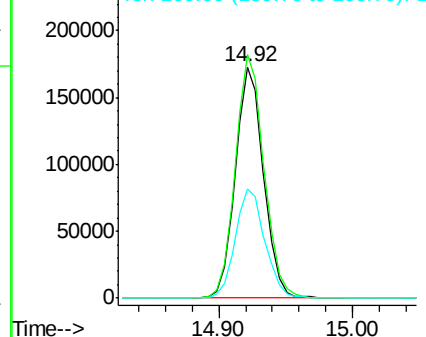
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.2 | 82.4  | 123.6 |
| 160     | 47.4  | 35.8  | 53.6  |

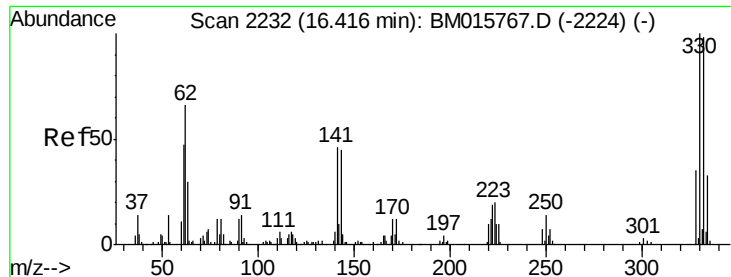


Abundance Ion 164.00 (163.70 to 164.70): BM015767.D (-1973) (-)

Ion 162.00 (161.70 to 162.70): BM015767.D (-1973) (-)

Ion 160.00 (159.70 to 160.70): BM015767.D (-1973) (-)

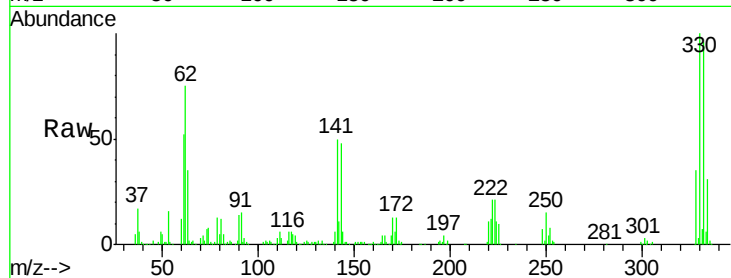




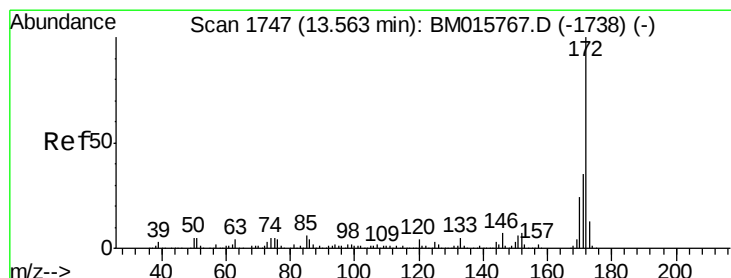
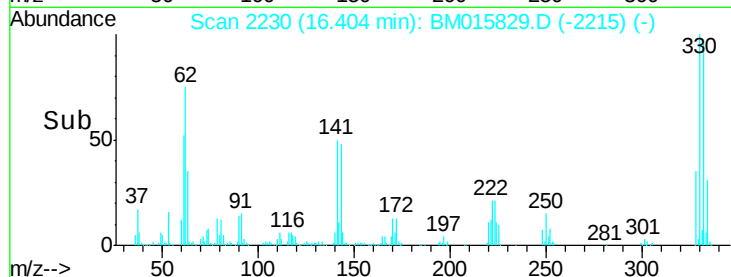
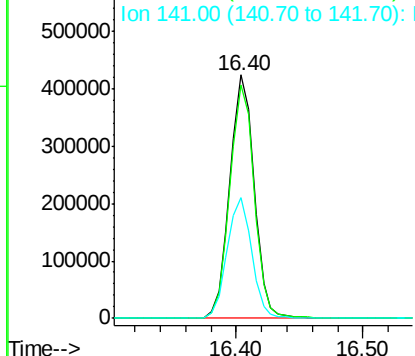
#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.40 min Scan# 2230  
 Delta R.T. -0.01 min  
 Lab File: BM015829.D  
 Acq: 07 Jul 2018 08:01

Instrument :  
 BNA\_M  
 ClientSampled :  
 S5

Tgt Ion:330 Resp: 563271  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 0.0 0.0#  
 141 50.4 0.0 0.0#

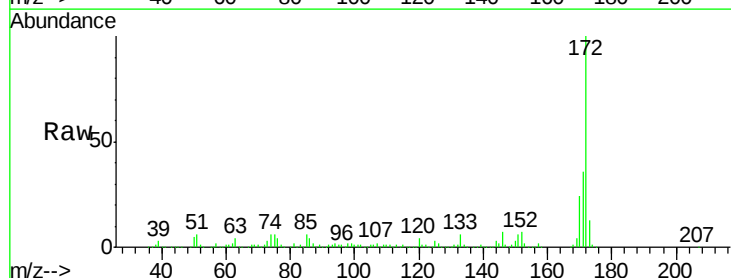


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

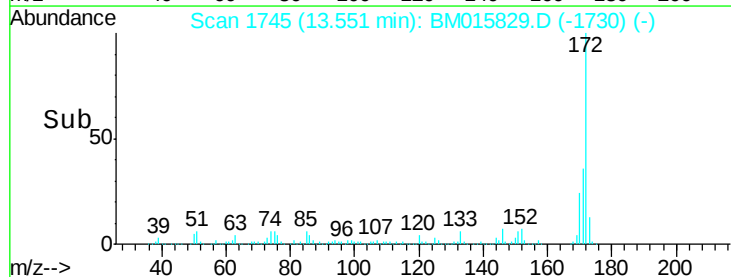
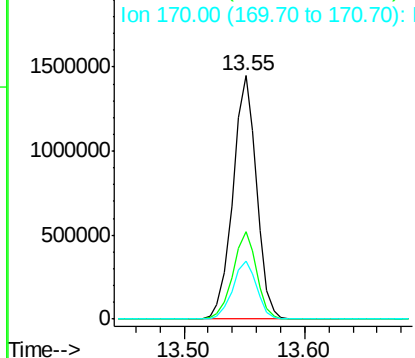


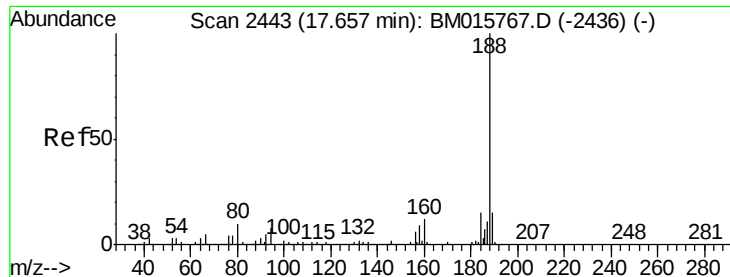
#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.55 min Scan# 1745  
 Delta R.T. -0.01 min  
 Lab File: BM015829.D  
 Acq: 07 Jul 2018 08:01

Tgt Ion:172 Resp: 1978964  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 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

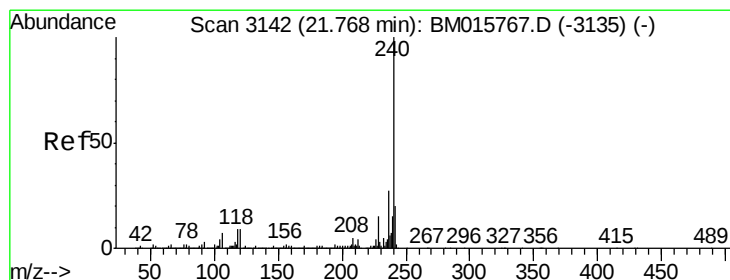
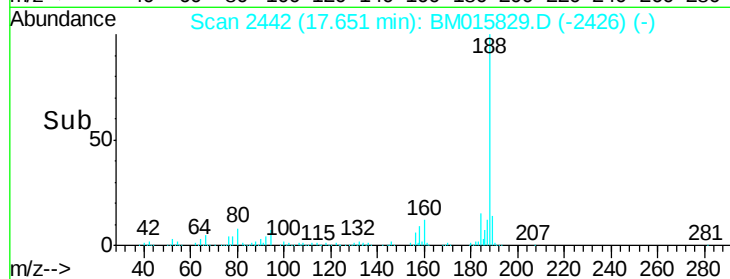
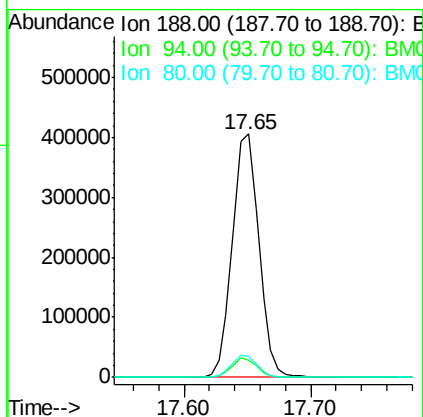
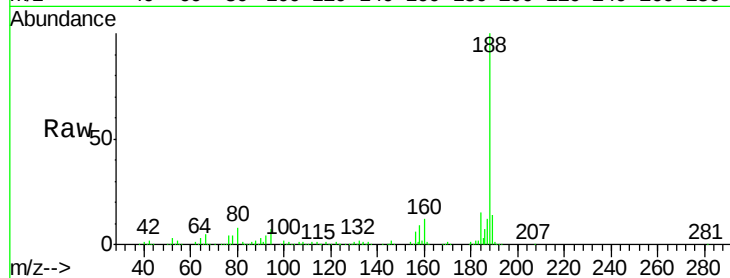




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.65 min Scan# 2442  
Delta R.T. -0.01 min  
Lab File: BM015829.D  
Acq: 07 Jul 2018 08:01

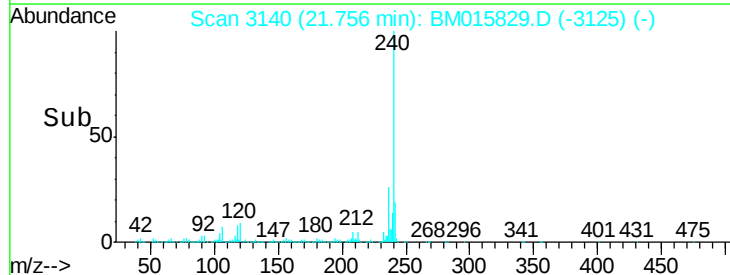
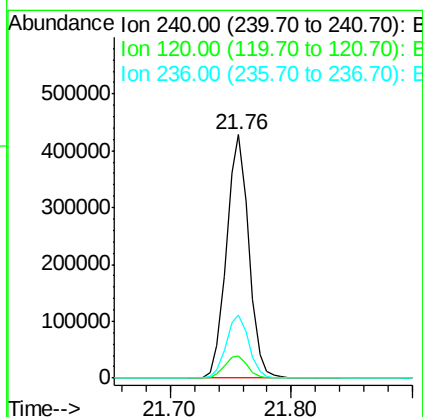
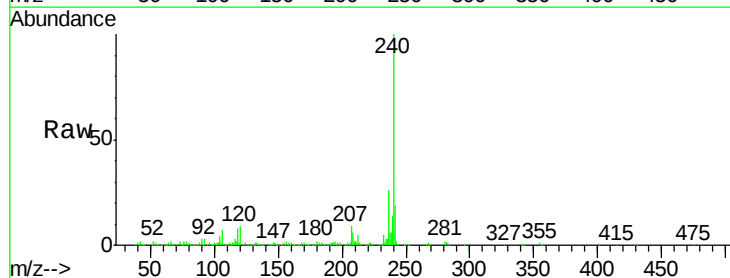
Instrument :  
BNA\_M  
ClientSampled :  
S5

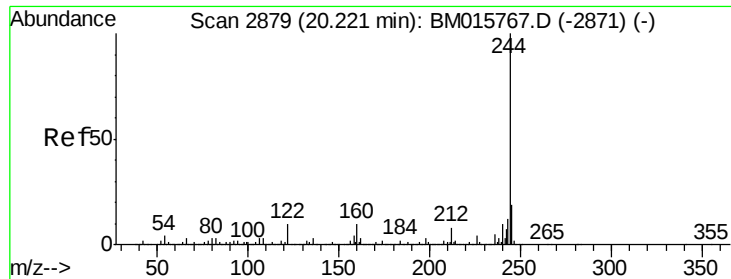
Tgt Ion:188 Resp: 587073  
Ion Ratio Lower Upper  
188 100  
94 6.9 8.7 13.1#  
80 8.5 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.76 min Scan# 3140  
Delta R.T. -0.01 min  
Lab File: BM015829.D  
Acq: 07 Jul 2018 08:01

Tgt Ion:240 Resp: 548299  
Ion Ratio Lower Upper  
240 100  
120 8.9 8.2 12.2  
236 26.1 20.0 30.0

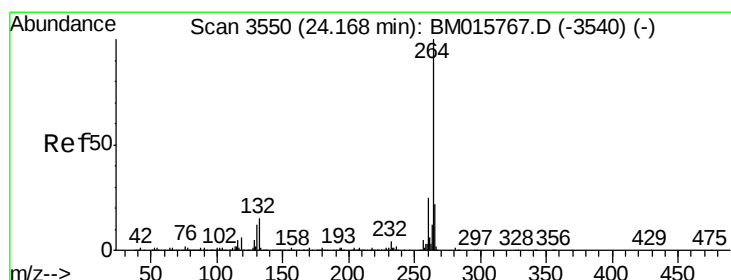
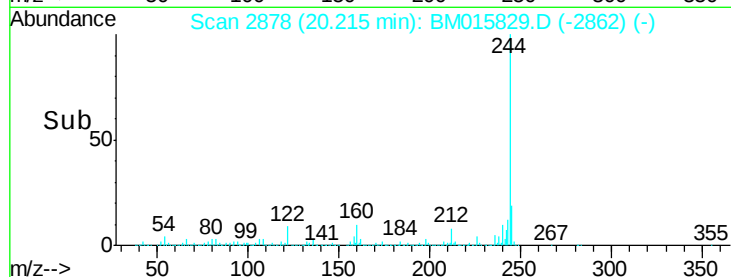
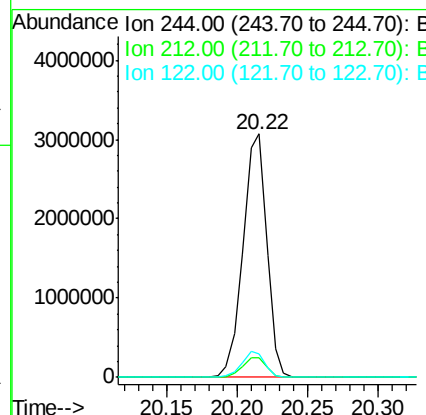
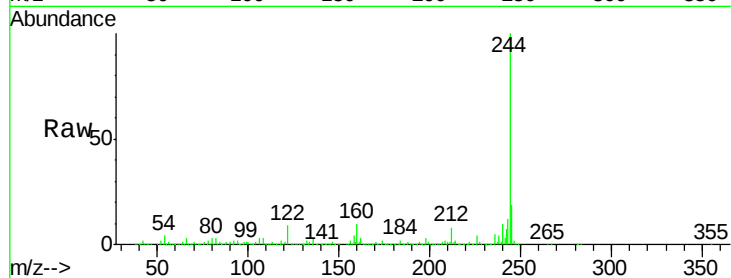




#78  
 Terphenyl-d14  
 Concen: Below ng  
 RT: 20.22 min Scan# 2878  
 Delta R.T. -0.01 min  
 Lab File: BM015829.D  
 Acq: 07 Jul 2018 08:01

Instrument :  
 BNA\_M  
 ClientSampled :  
 S5

Tgt Ion:244 Resp: 3604222  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 4.9 7.3#  
 122 9.5 6.2 9.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.16 min Scan# 3548  
 Delta R.T. -0.01 min  
 Lab File: BM015829.D  
 Acq: 07 Jul 2018 08:01

Tgt Ion:264 Resp: 466122  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 18.6 27.8  
 265 21.7 17.3 25.9

