

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM050517\  
 Data File : BM009916.D  
 Acq On : 05 May 2017 23:28  
 Operator : SJ/MA  
 Sample : I2893-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 3068-SPP3-DUP

Quant Time: May 06 00:53:51 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM050517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 05 14:52:12 2017  
 Response via : Initial Calibration

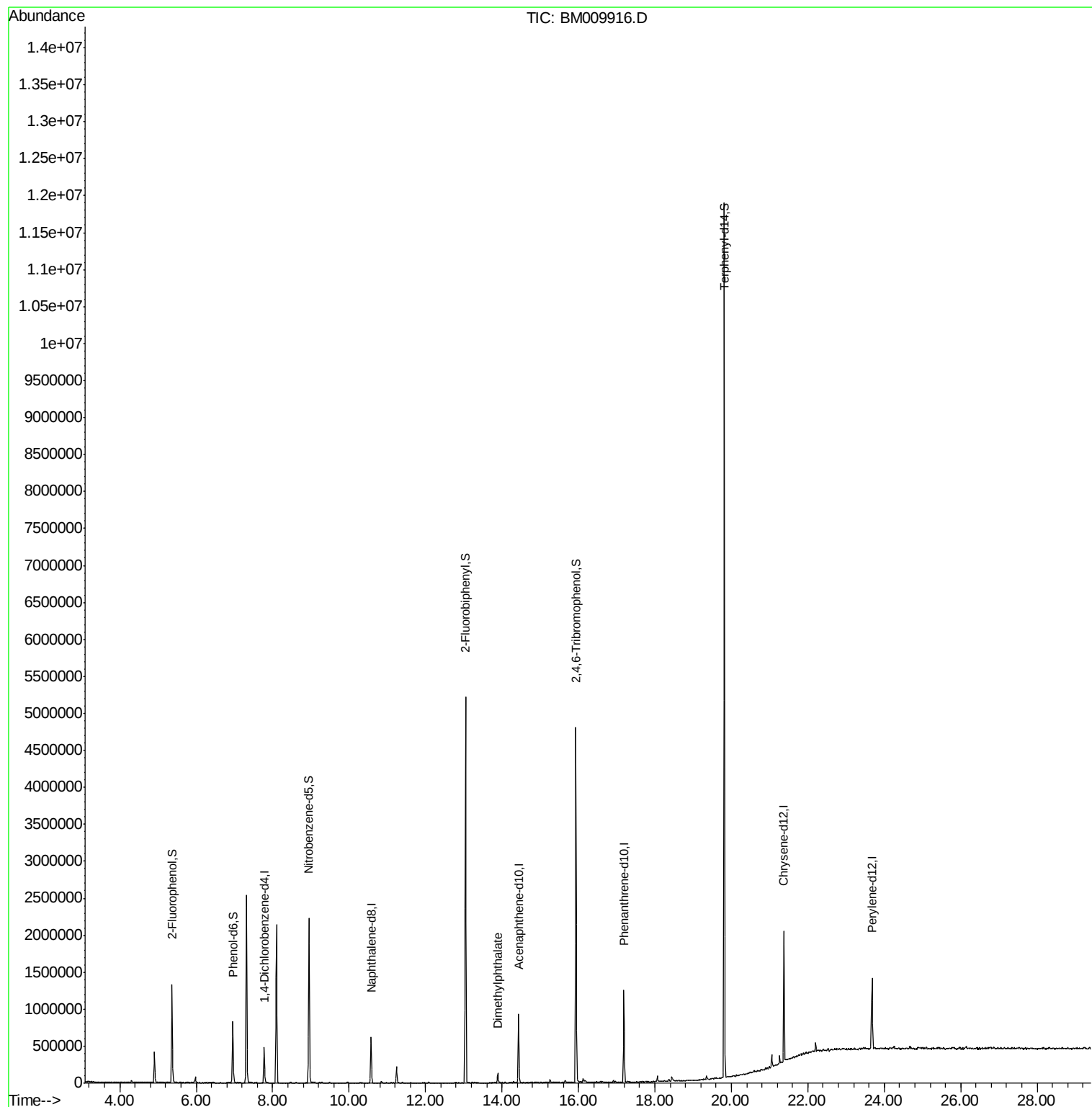
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.77  | 152  | 100158   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.57 | 136  | 405703   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.43 | 164  | 259664   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.19 | 188  | 638979   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 21.37 | 240  | 788718   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 23.68 | 264  | 659382   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.37  | 112  | 419182   | 66.63  | ng    | 0.00           |
| 7) Phenol-d6                | 6.96  | 99   | 373019   | 38.68  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 1186179  | 105.81 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 15.93 | 330  | 623932   | 175.93 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.05 | 172  | 2143475  | 107.55 | ng    | 0.00           |
| 78) Terphenyl-d14           | 19.82 | 244  | 4164023  | 108.30 | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 13.89 | 163  | 66175    | 2.68   | ng    | Qvalue<br># 95 |

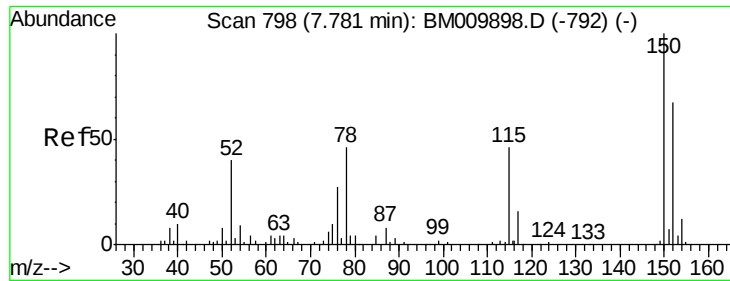
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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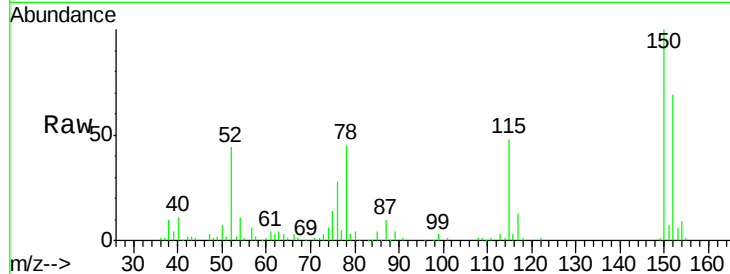


#1

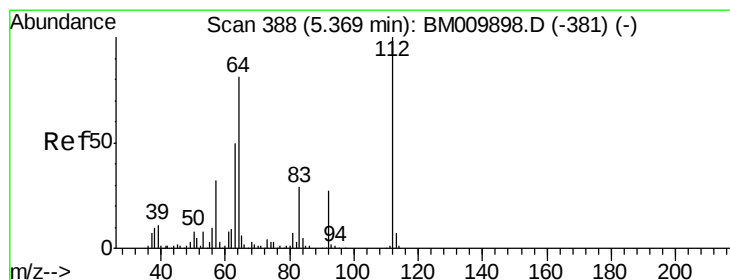
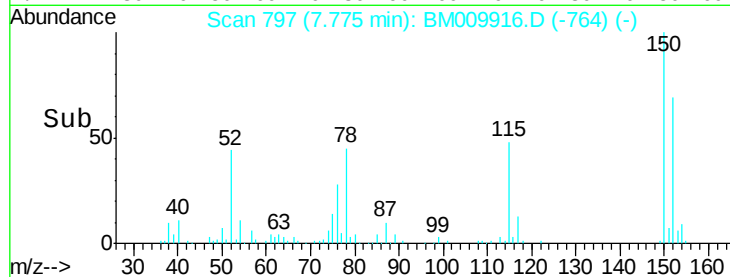
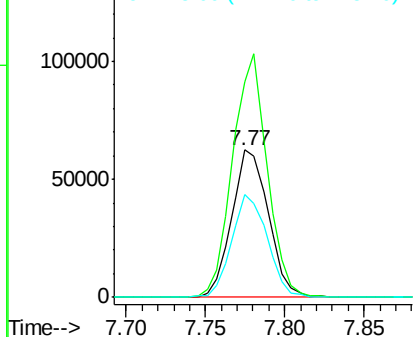
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.77 min Scan# 797  
Delta R.T. -0.01 min  
Lab File: BM009916.D  
Acq: 05 May 2017 23:28

Instrument :  
BNA\_M  
ClientSampleId :  
3068-SPP3-DUP

Tgt Ion:152 Resp: 100158  
Ion Ratio Lower Upper  
152 100  
150 145.9 119.5 179.3  
115 69.4 43.0 64.4#



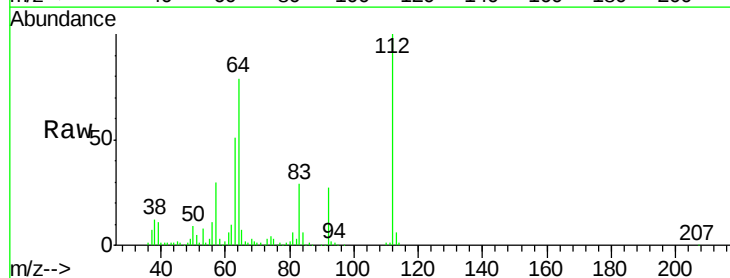
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



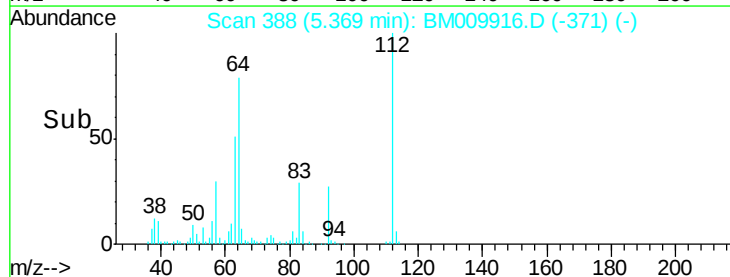
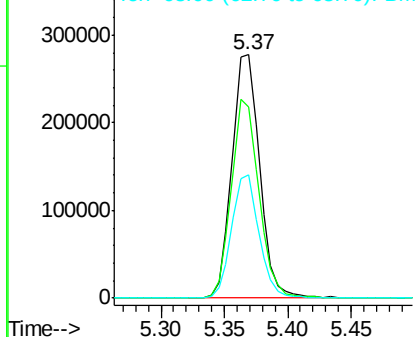
#5

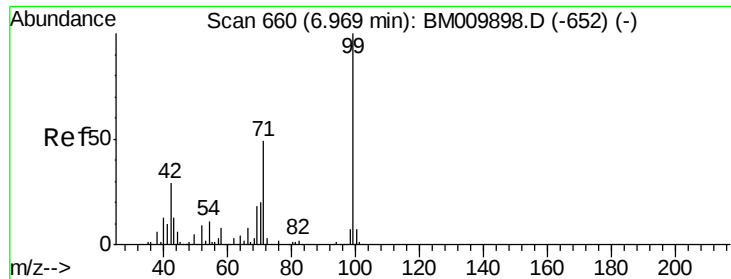
2-Fluorophenol  
Concen: 66.63 ng  
RT: 5.37 min Scan# 388  
Delta R.T. 0.00 min  
Lab File: BM009916.D  
Acq: 05 May 2017 23:28

Tgt Ion:112 Resp: 419182  
Ion Ratio Lower Upper  
112 100  
64 78.7 38.6 57.8#  
63 50.8 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: 38.68 ng

RT: 6.96 min Scan# 658

Delta R.T. -0.01 min

Lab File: BM009916.D

Acq: 05 May 2017 23:28

Instrument :

BNA\_M

ClientSampleId :

3068-SPP3-DUP

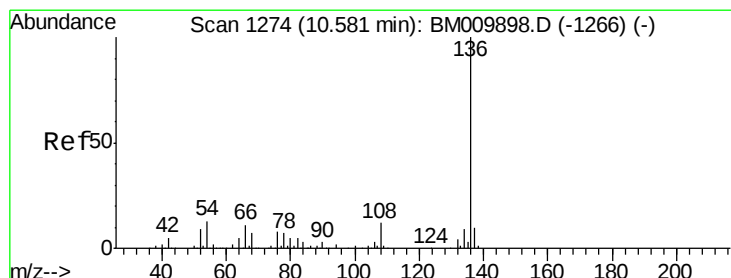
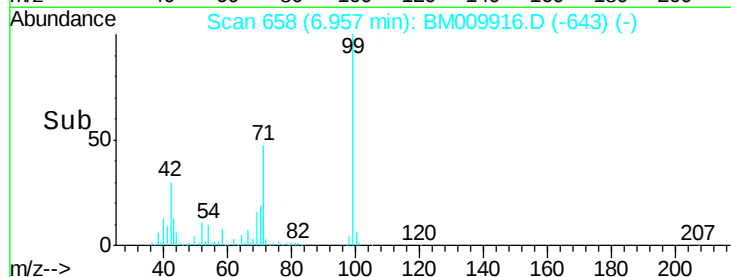
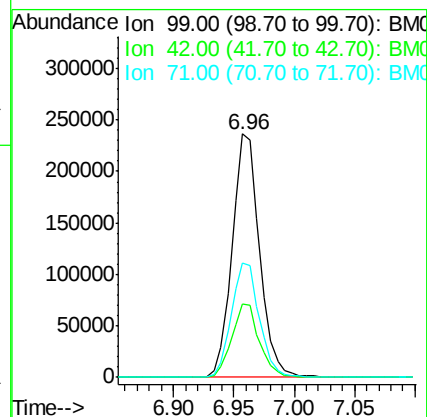
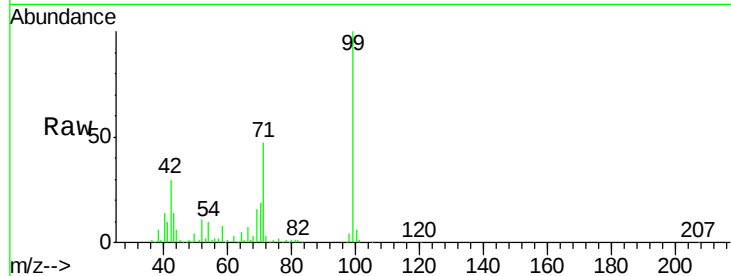
Tgt Ion: 99 Resp: 373019

Ion Ratio Lower Upper

99 100

42 30.4 11.0 16.4#

71 47.0 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BM009916.D

Acq: 05 May 2017 23:28

Tgt Ion: 136 Resp: 405703

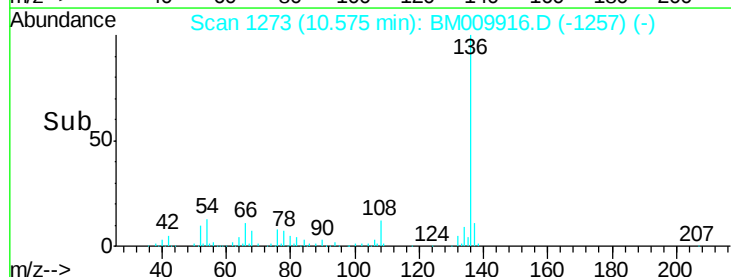
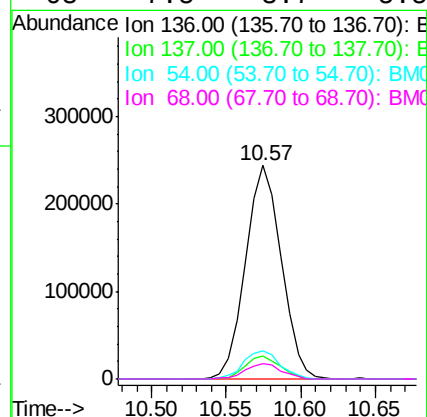
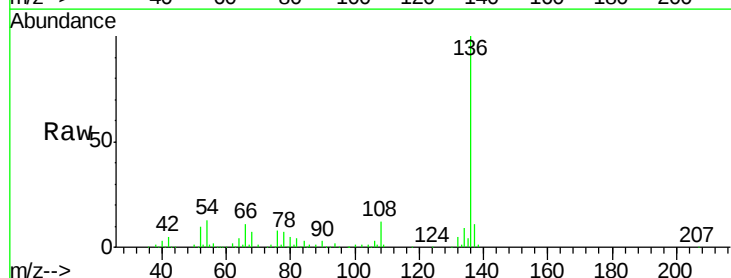
Ion Ratio Lower Upper

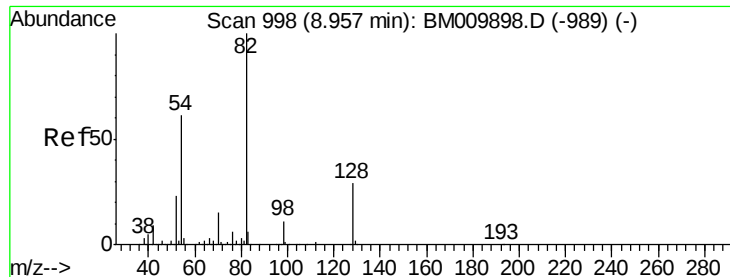
136 100

137 10.7 8.7 13.1

54 13.4 4.6 6.8#

68 7.5 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 105.81 ng

RT: 8.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BM009916.D

Acq: 05 May 2017 23:28

Instrument :

BNA\_M

ClientSampleId :

3068-SPP3-DUP

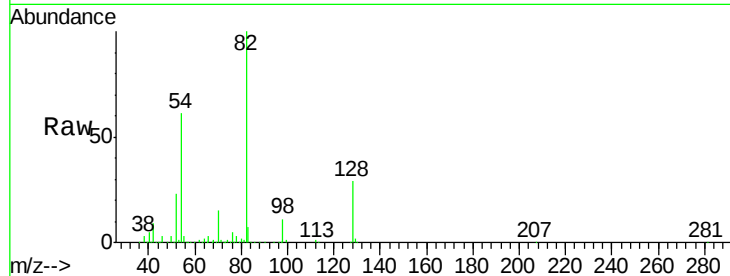
Tgt Ion: 82 Resp: 1186179

Ion Ratio Lower Upper

82 100

128 29.1 32.8 49.2#

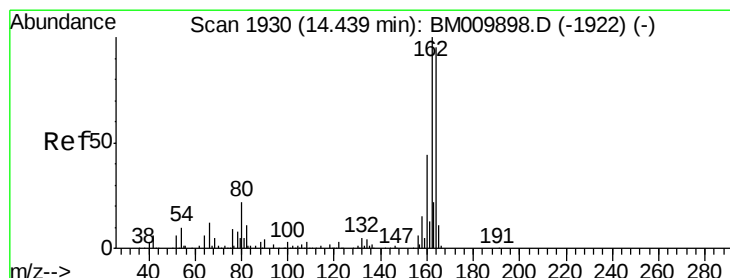
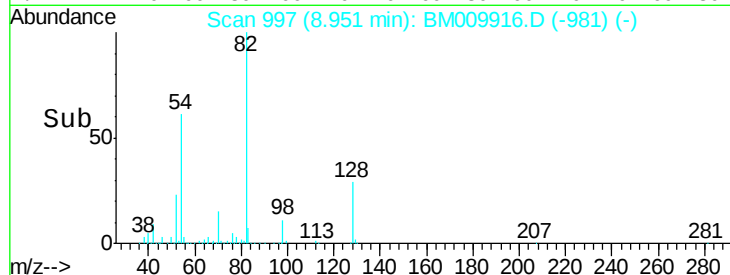
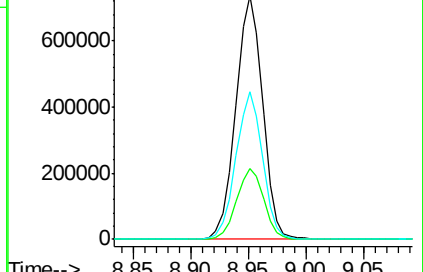
54 60.6 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM009898.D (-989) (-)

Ion 128.00 (127.70 to 128.70): BM009898.D (-989) (-)

Ion 54.00 (53.70 to 54.70): BM009898.D (-989) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BM009916.D

Acq: 05 May 2017 23:28

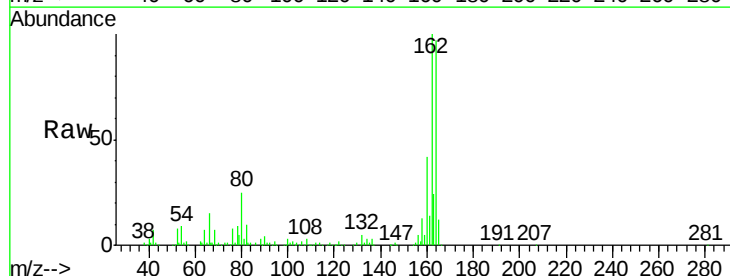
Tgt Ion: 164 Resp: 259664

Ion Ratio Lower Upper

164 100

162 102.9 82.4 123.6

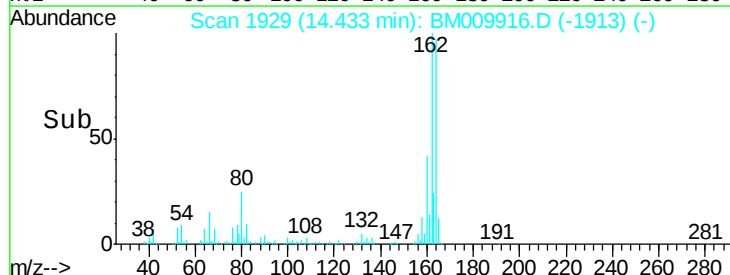
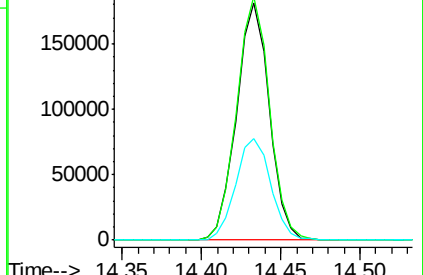
160 43.1 35.8 53.6

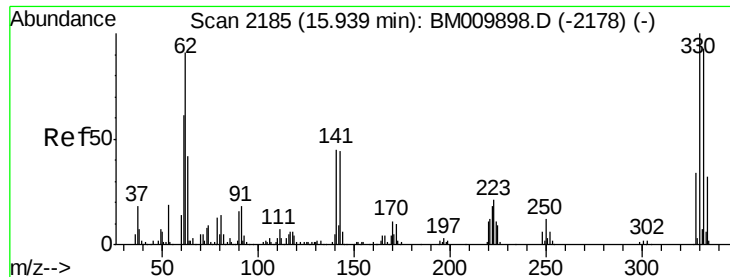


Abundance Ion 164.00 (163.70 to 164.70): BM009898.D (-1922) (-)

Ion 162.00 (161.70 to 162.70): BM009898.D (-1922) (-)

Ion 160.00 (159.70 to 160.70): BM009898.D (-1922) (-)

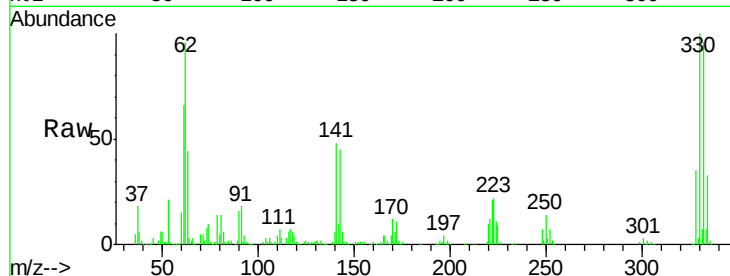




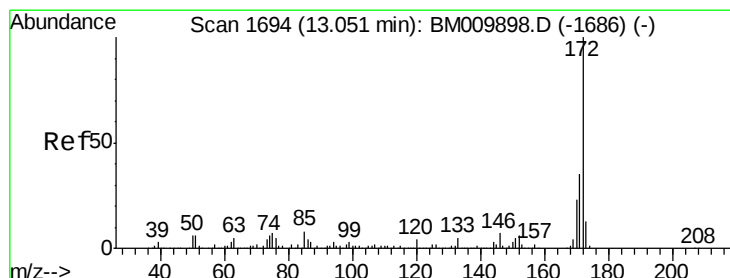
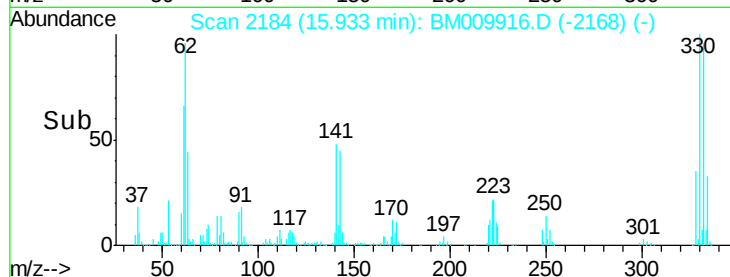
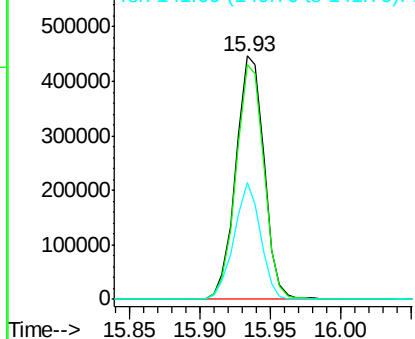
#41  
 2,4,6-Tribromophenol  
 Concen: 175.93 ng  
 RT: 15.93 min Scan# 2184  
 Delta R.T. -0.01 min  
 Lab File: BM009916.D  
 Acq: 05 May 2017 23:28

Instrument :  
 BNA\_M  
 ClientSampleId :  
 3068-SPP3-DUP

Tgt Ion:330 Resp: 623932  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 0.0 0.0#  
 141 45.2 0.0 0.0#

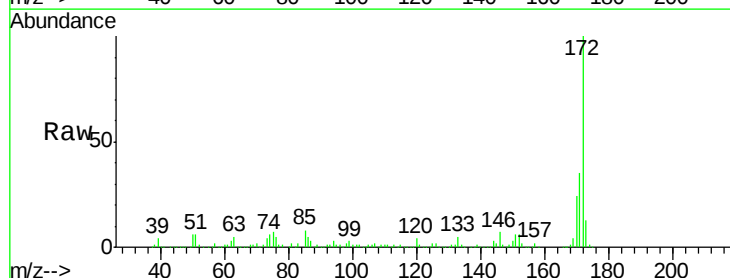


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

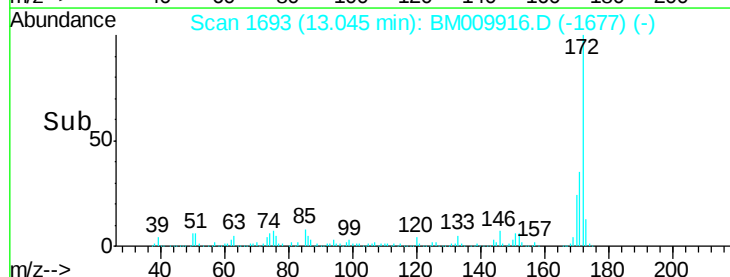
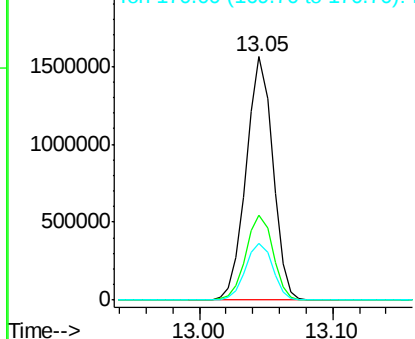


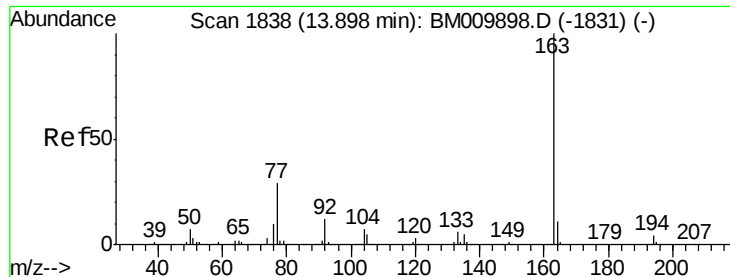
#44  
 2-Fluorobiphenyl  
 Concen: 107.55 ng  
 RT: 13.05 min Scan# 1693  
 Delta R.T. -0.01 min  
 Lab File: BM009916.D  
 Acq: 05 May 2017 23:28

Tgt Ion:172 Resp: 2143475  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 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





#49

Dimethylphthalate

Concen: 2.68 ng

RT: 13.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BM009916.D

Acq: 05 May 2017 23:28

Instrument :

BNA\_M

ClientSampleId :

3068-SPP3-DUP

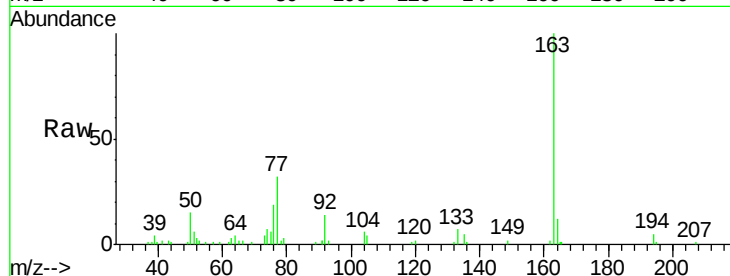
Tgt Ion:163 Resp: 66175

Ion Ratio Lower Upper

163 100

194 5.3 2.7 4.1#

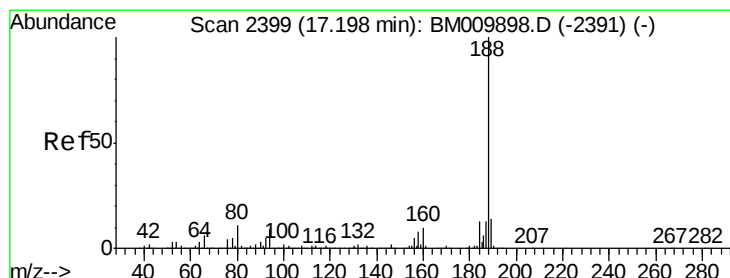
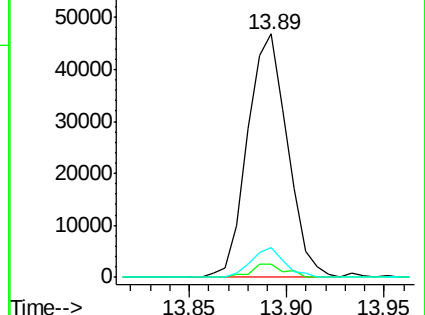
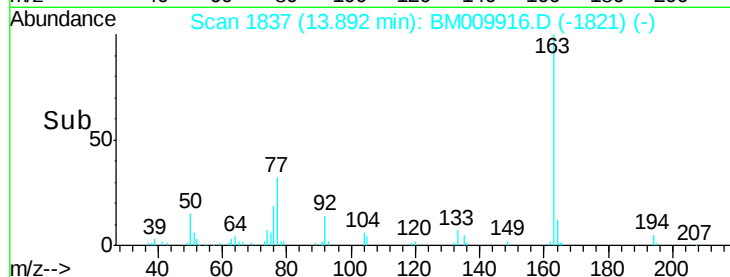
164 12.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.19 min Scan# 2397

Delta R.T. -0.01 min

Lab File: BM009916.D

Acq: 05 May 2017 23:28

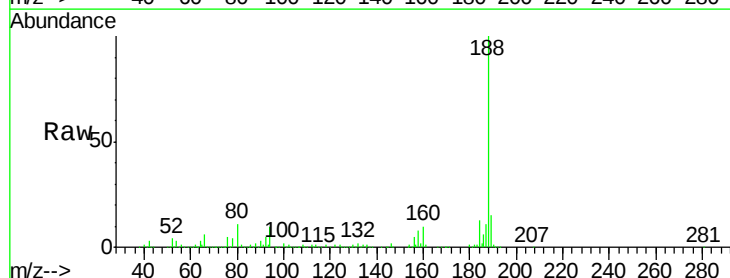
Tgt Ion:188 Resp: 638979

Ion Ratio Lower Upper

188 100

94 9.6 8.7 13.1

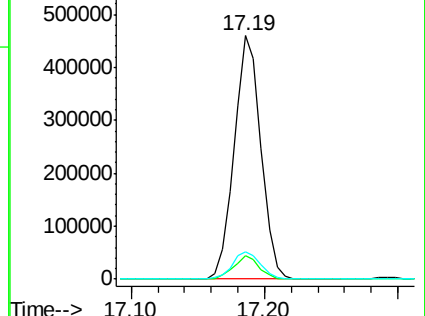
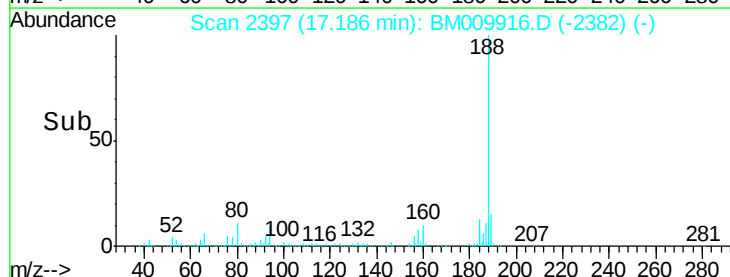
80 11.1 9.3 13.9

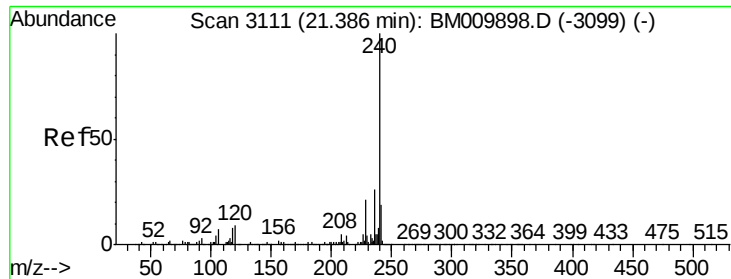


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.37 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM009916.D

Acq: 05 May 2017 23:28

Instrument :

BNA\_M

ClientSampleId :

3068-SPP3-DUP

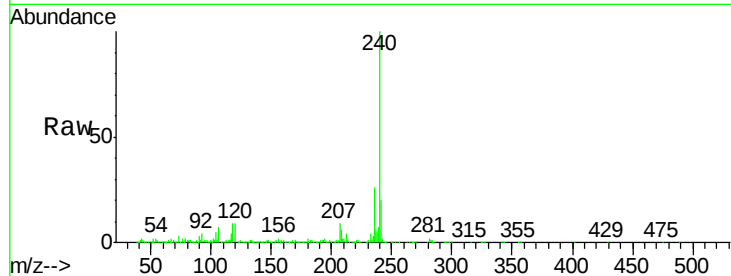
Tgt Ion:240 Resp: 788718

Ion Ratio Lower Upper

240 100

120 8.8 8.2 12.2

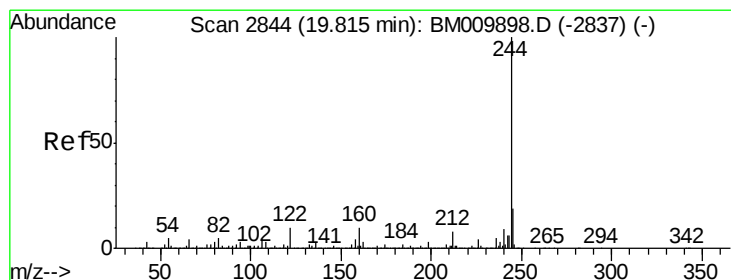
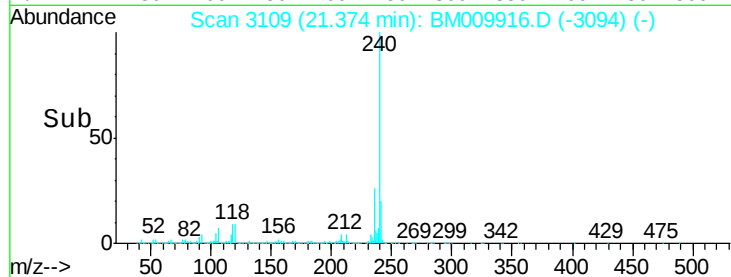
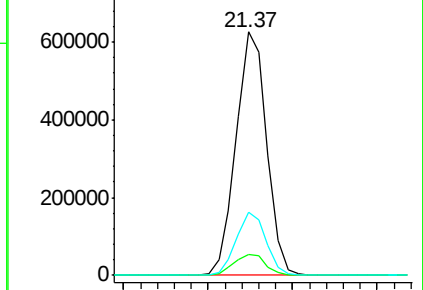
236 25.7 20.0 30.0



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: 108.30 ng

RT: 19.82 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BM009916.D

Acq: 05 May 2017 23:28

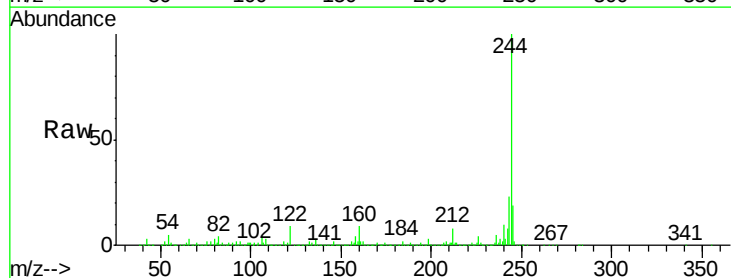
Tgt Ion:244 Resp: 4164023

Ion Ratio Lower Upper

244 100

212 7.6 4.9 7.3#

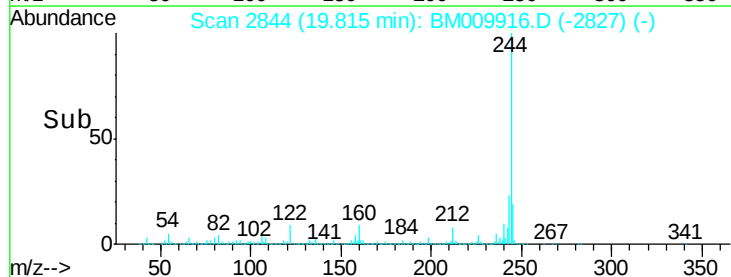
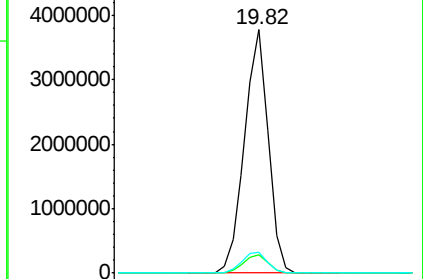
122 8.6 6.2 9.4

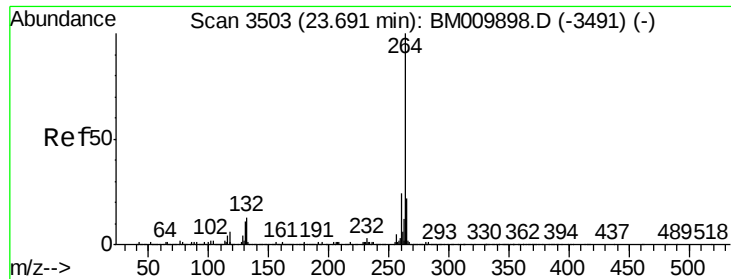


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

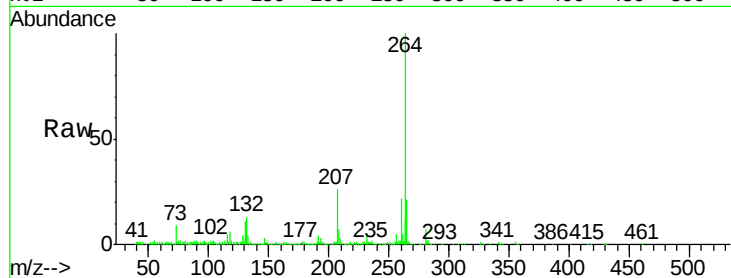




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.68 min Scan# 3501  
Delta R.T. -0.01 min  
Lab File: BM009916.D  
Acq: 05 May 2017 23:28

Instrument :  
BNA\_M  
ClientSampleId :  
3068-SPP3-DUP

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 659382 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 22.3  | 18.6  | 27.8   |
| 265      | 21.4  | 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

