

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072717\  
 Data File : BM011023.D  
 Acq On : 27 Jul 2017 22:35  
 Operator : SJ/JU  
 Sample : I4420-14  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 2A-6-7-8-9-10-COMP-(0-10)

Quant Time: Jul 28 04:34:24 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.39  | 152  | 188530   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.15 | 136  | 686601   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.04 | 164  | 414749   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.80 | 188  | 968031   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.02 | 240  | 735483   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.13 | 264  | 241809   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 1508540  | 135.26 | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 1901464  | 120.00 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.54  | 82   | 1789754  | 97.83  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.55 | 330  | 937240   | 140.99 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.66 | 172  | 3373350  | 102.00 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.47 | 244  | 3837337  | 103.35 | ng    | 0.00     |

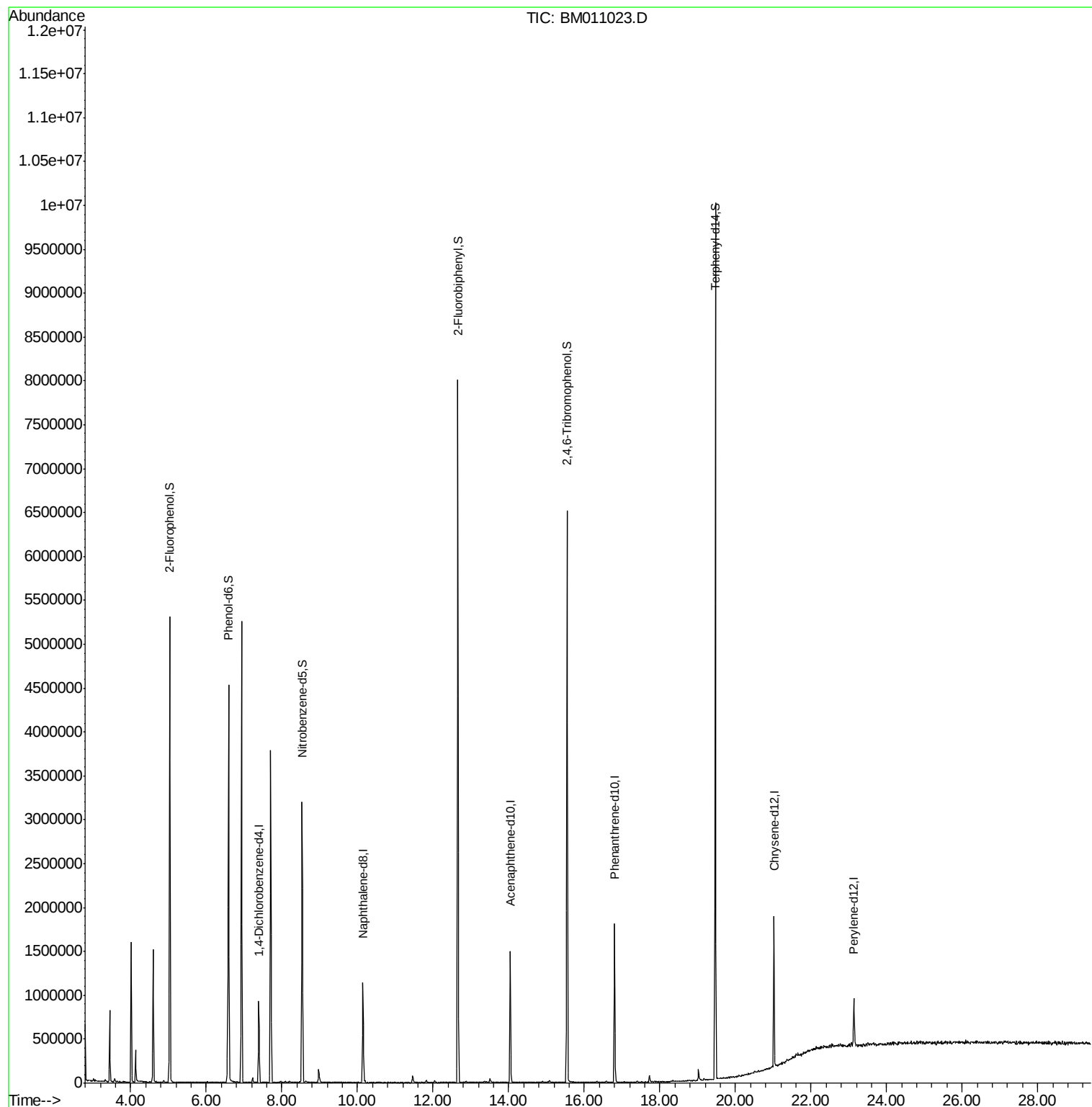
Target Compounds Qvalue

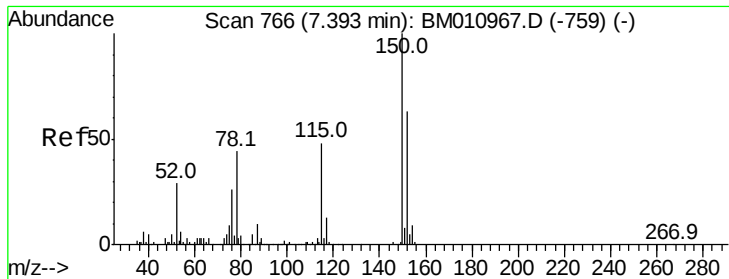
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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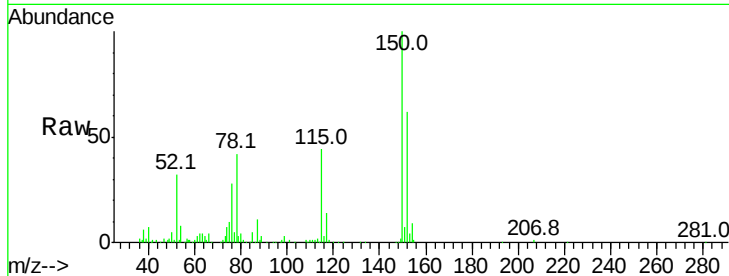


#1

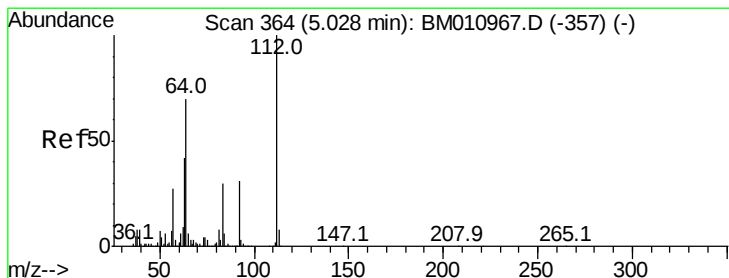
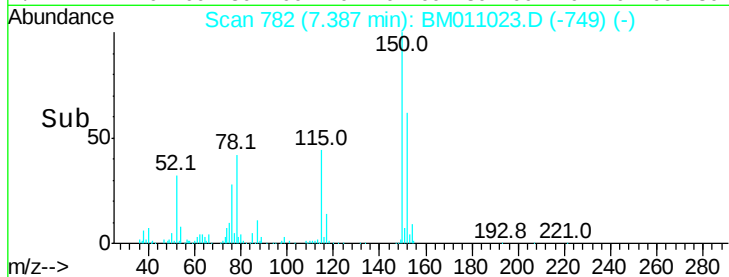
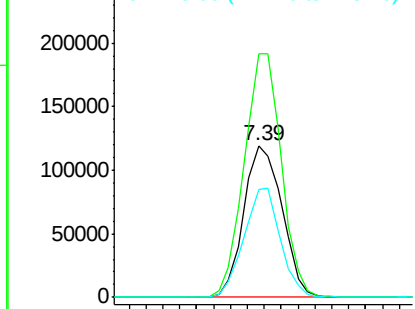
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.39 min Scan# 782  
Delta R.T. -0.01 min  
Lab File: BM011023.D  
Acq: 27 Jul 2017 22:35

Instrument :  
BNA\_M  
ClientSampleId :  
2A-6-7-8-9-10-COMP-(0-10)

Tot Ion:152 Resp: 188530  
Ion Ratio Lower Upper  
152 100  
150 160.6 119.5 179.3  
115 71.3 43.0 64.4#



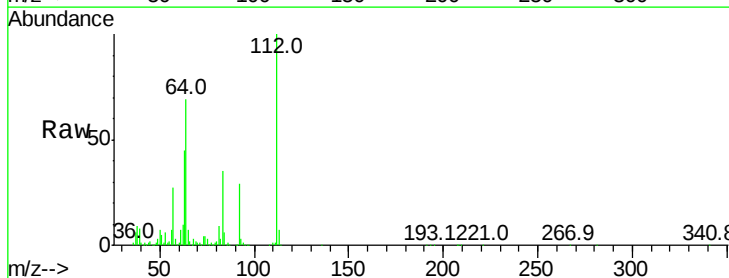
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



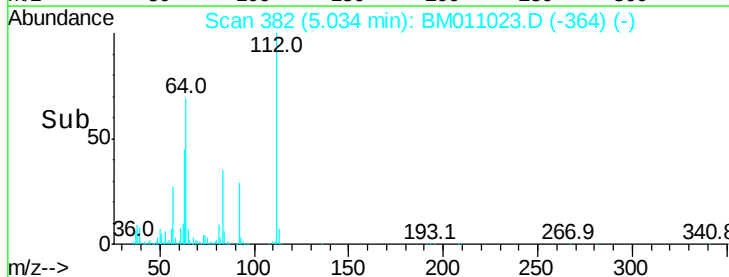
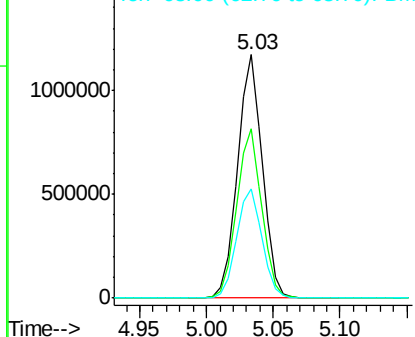
#5

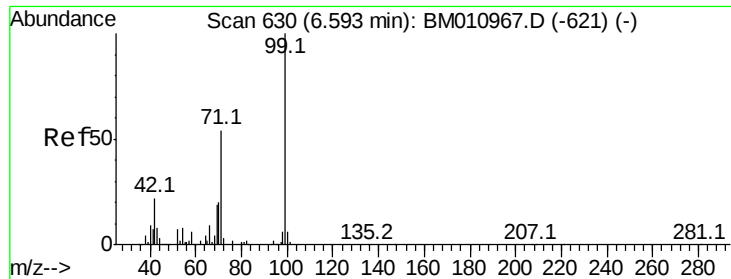
2-Fluorophenol  
Concen: 135.262 ng  
RT: 5.03 min Scan# 382  
Delta R.T. 0.01 min  
Lab File: BM011023.D  
Acq: 27 Jul 2017 22:35

Tgt Ion:112 Resp: 1508540  
Ion Ratio Lower Upper  
112 100  
64 69.5 38.6 57.8#  
63 44.6 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: 119.997 ng

RT: 6.59 min Scan# 647

Delta R.T. -0.00 min

Lab File: BM011023.D

Acq: 27 Jul 2017 22:35

Instrument :

BNA\_M

ClientSampleId :

2A-6-7-8-9-10-COMP-(0-10)

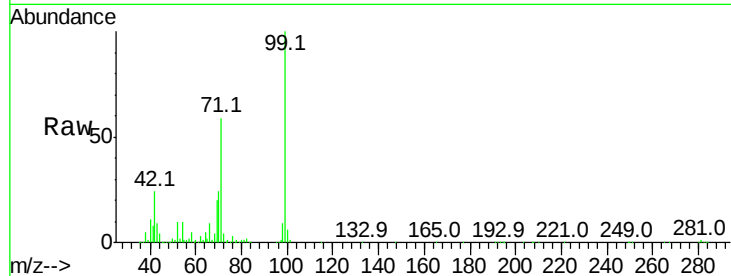
Tot Ion: 99 Resp: 1901464

Ion Ratio Lower Upper

99 100

42 24.3 11.0 16.4#

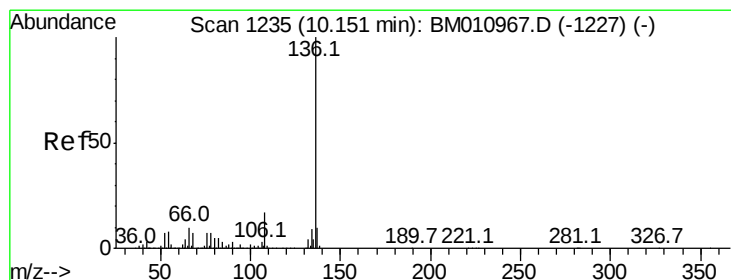
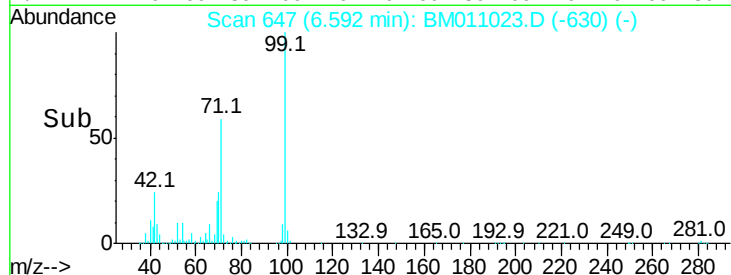
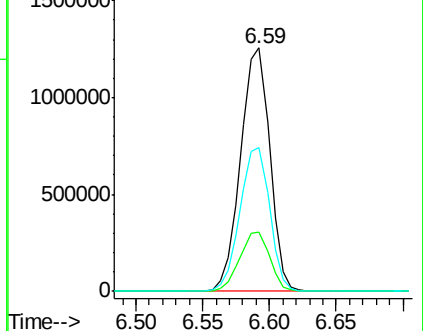
71 59.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011023.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011023.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011023.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.15 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BM011023.D

Acq: 27 Jul 2017 22:35

Tgt Ion:136 Resp: 686601

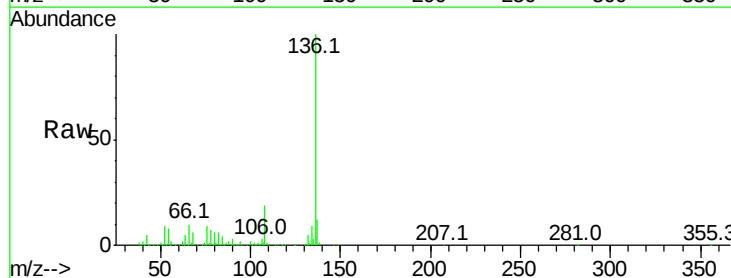
Ion Ratio Lower Upper

136 100

137 12.3 8.7 13.1

54 8.2 4.6 6.8#

68 6.4 3.7 5.5#

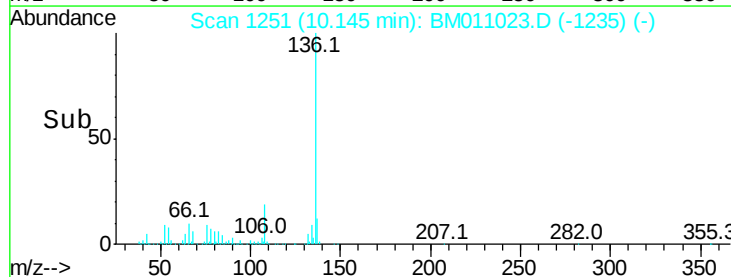
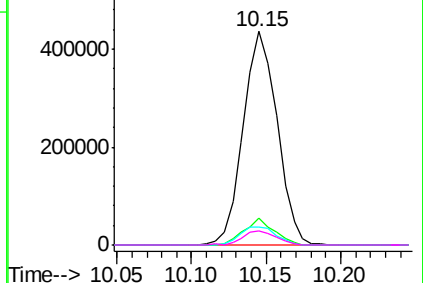


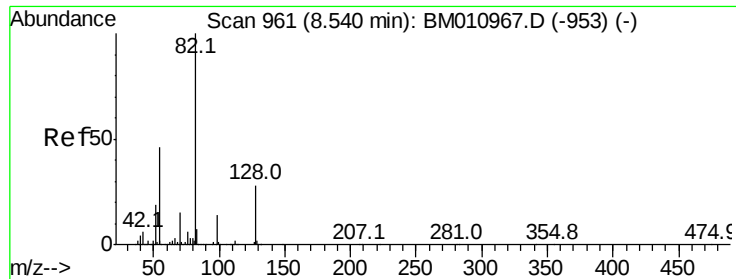
Abundance Ion 136.00 (135.70 to 136.70): BM011023.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM011023.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM011023.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM011023.D (-1235) (-)





#23

Nitrobenzene-d5

Concen: 97.833 ng

RT: 8.54 min Scan# 978

Delta R.T. -0.00 min

Lab File: BM011023.D

Acq: 27 Jul 2017 22:35

Instrument :

BNA\_M

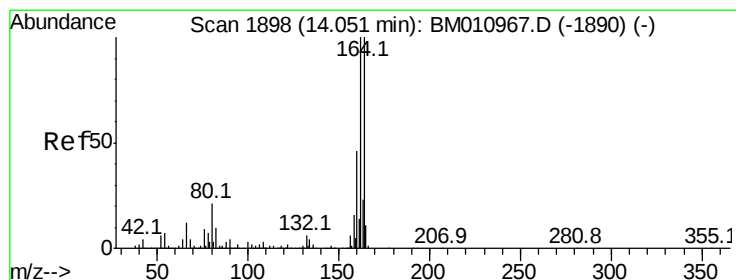
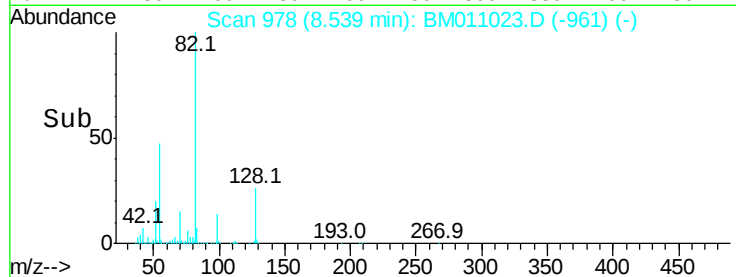
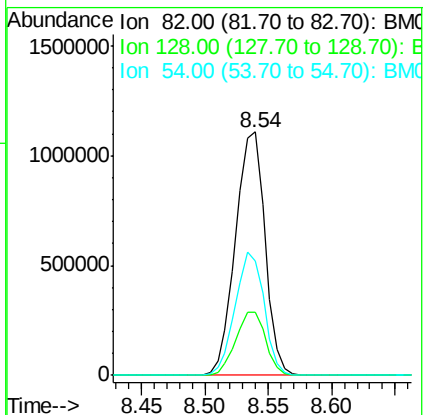
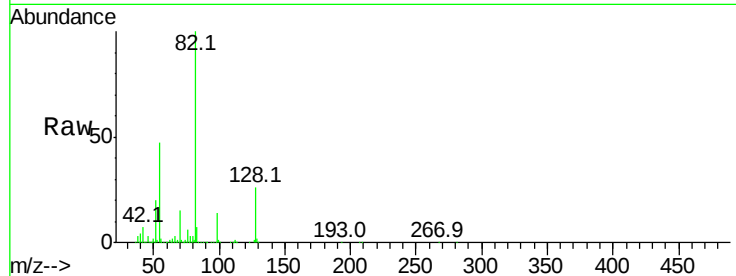
ClientSampleId :

2A-6-7-8-9-10-COMP-(0-10)

Tot Ion: 82 Resp: 1789754

Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 82  | 100  |      |       |
| 128 | 26.0 | 32.8 | 49.2# |
| 54  | 46.8 | 40.6 | 60.8  |



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1914

Delta R.T. -0.01 min

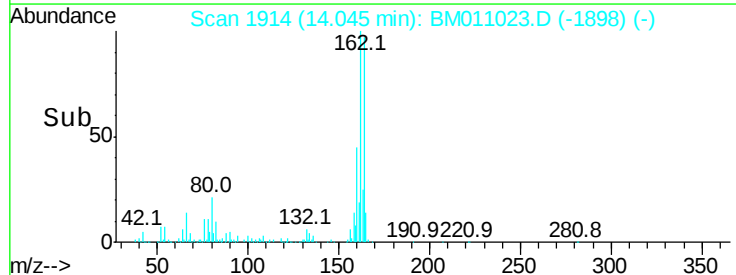
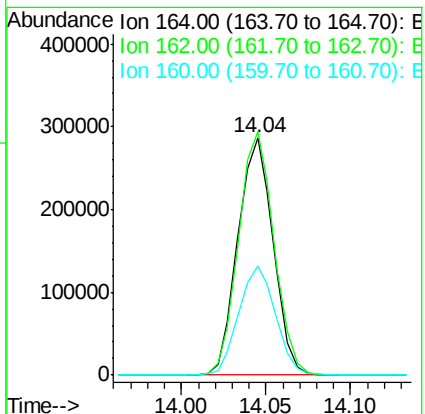
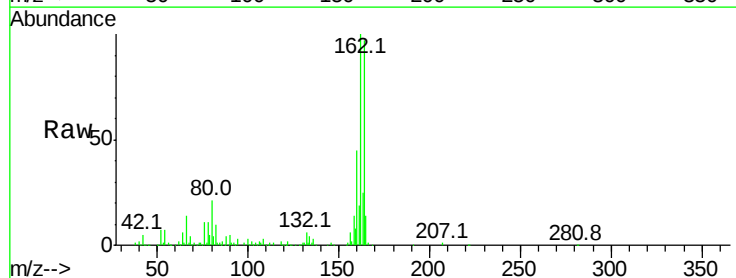
Lab File: BM011023.D

Acq: 27 Jul 2017 22:35

Tgt Ion: 164 Resp: 414749

Ion Ratio Lower Upper

|     |       |      |       |
|-----|-------|------|-------|
| 164 | 100   |      |       |
| 162 | 102.6 | 82.4 | 123.6 |
| 160 | 46.0  | 35.8 | 53.6  |

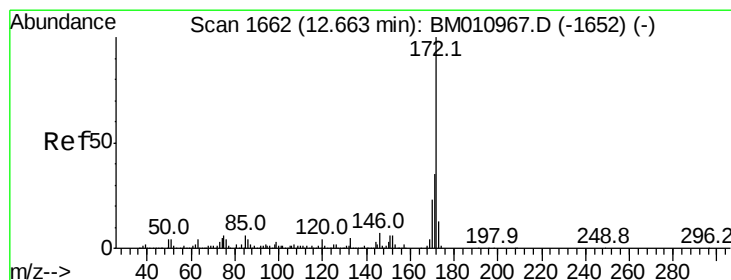
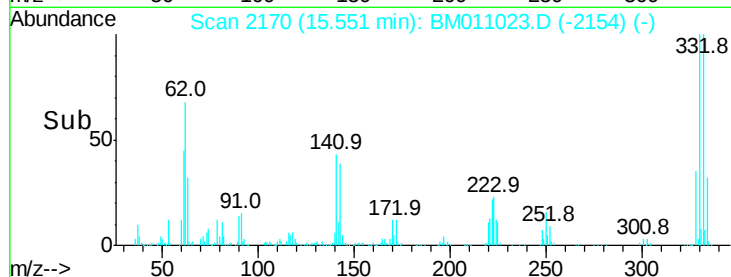
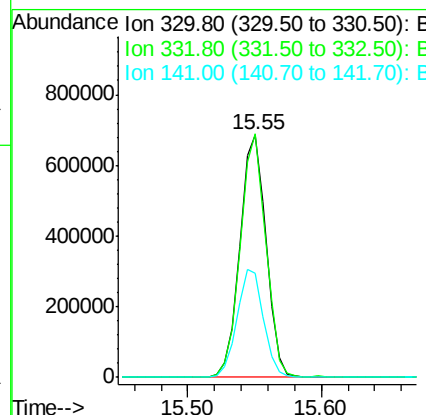
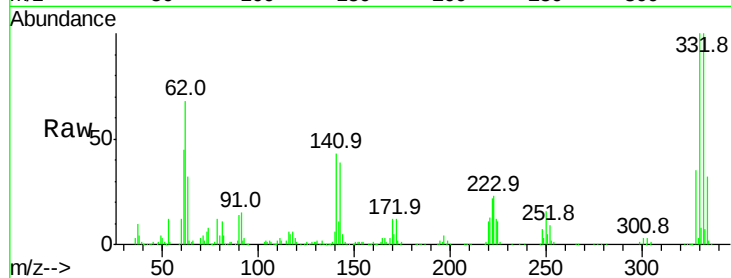




#41  
 2,4,6-Tribromophenol  
 Concen: 140.990 ng  
 RT: 15.55 min Scan# 2170  
 Delta R.T. -0.01 min  
 Lab File: BM011023.D  
 Acq: 27 Jul 2017 22:35

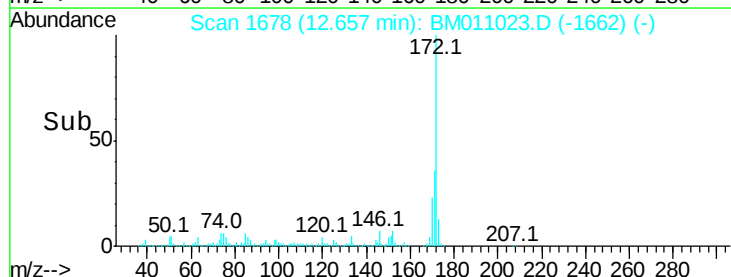
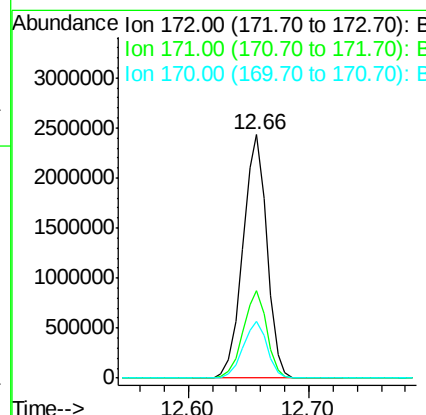
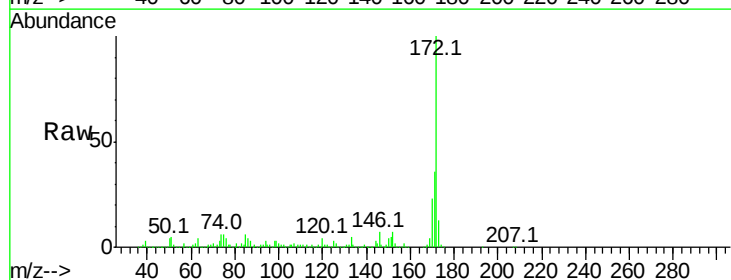
Instrument :  
 BNA\_M  
 ClientSampleId :  
 2A-6-7-8-9-10-COMP-(0-10)

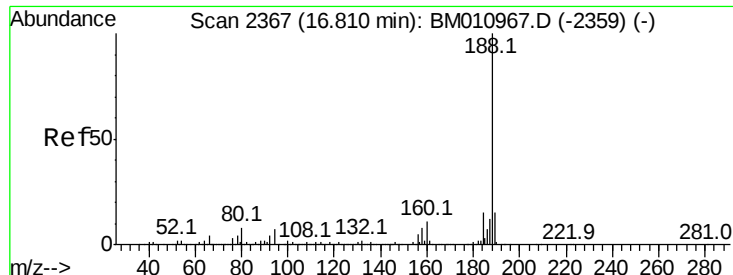
Tot Ion:330 Resp: 937240  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 0.0 0.0#  
 141 45.1 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 102.005 ng  
 RT: 12.66 min Scan# 1678  
 Delta R.T. -0.01 min  
 Lab File: BM011023.D  
 Acq: 27 Jul 2017 22:35

Tgt Ion:172 Resp: 3373350  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.5 42.7  
 170 23.1 18.8 28.2

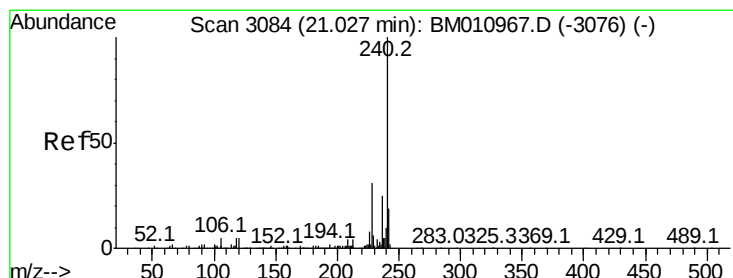
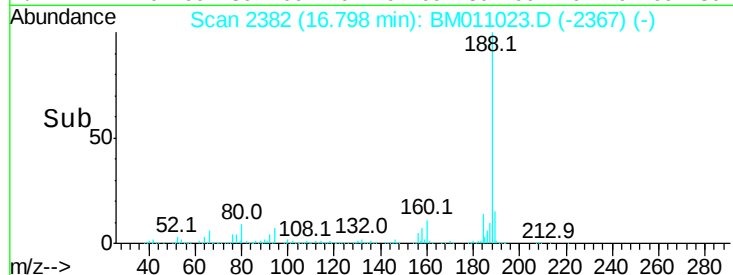
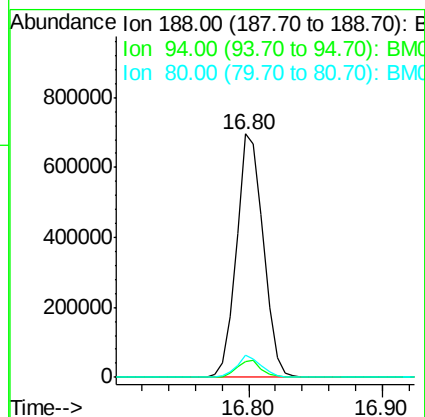
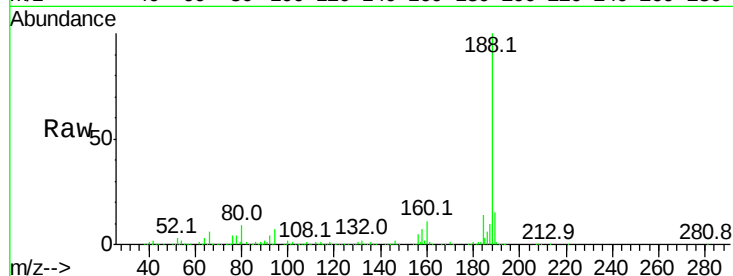




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.80 min Scan# 2382  
Delta R.T. -0.01 min  
Lab File: BM011023.D  
Acq: 27 Jul 2017 22:35

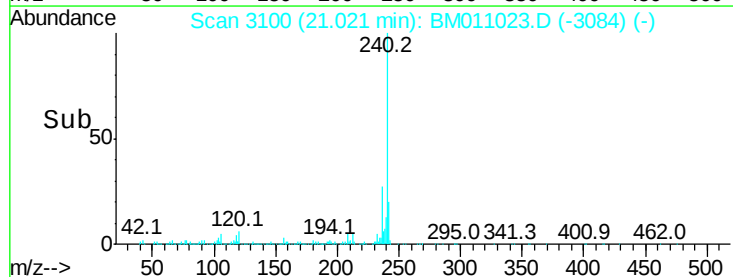
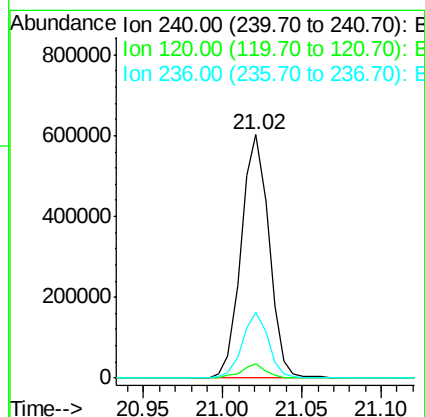
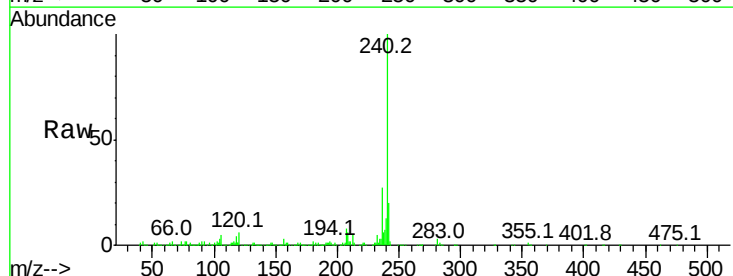
Instrument :  
BNA\_M  
ClientSampleId :  
2A-6-7-8-9-10-COMP-(0-10)

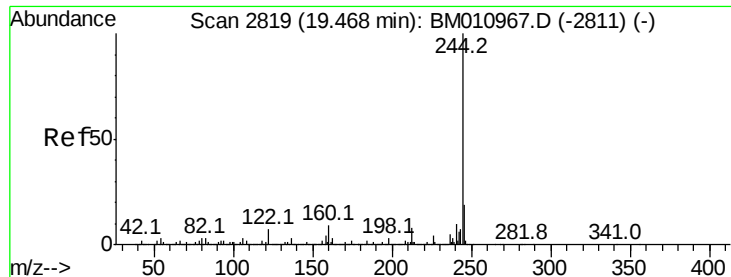
Tot Ion:188 Resp: 968031  
Ion Ratio Lower Upper  
188 100  
94 6.6 8.7 13.1#  
80 9.0 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.02 min Scan# 3100  
Delta R.T. -0.01 min  
Lab File: BM011023.D  
Acq: 27 Jul 2017 22:35

Tgt Ion:240 Resp: 735483  
Ion Ratio Lower Upper  
240 100  
120 5.9 8.2 12.2#  
236 27.2 20.0 30.0





#78

Terphenyl-d14

Concen: 103.351 ng

RT: 19.47 min Scan# 2836

Delta R.T. -0.00 min

Lab File: BM011023.D

Acq: 27 Jul 2017 22:35

Instrument :

BNA\_M

ClientSampleId :

2A-6-7-8-9-10-COMP-(0-10)

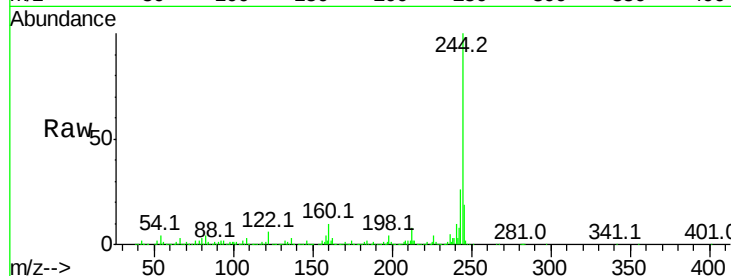
Tot Ion:244 Resp: 3837337

Ion Ratio Lower Upper

244 100

212 8.5 4.9 7.3#

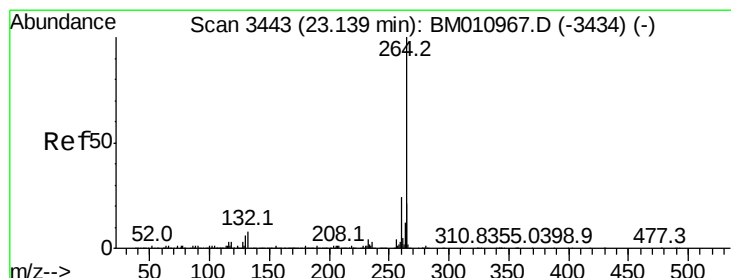
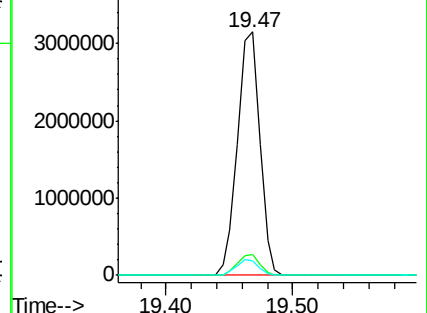
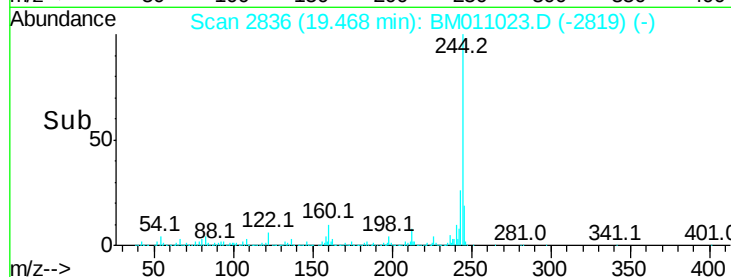
122 6.1 6.2 9.4#



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: 23.13 min Scan# 3459

Delta R.T. -0.01 min

Lab File: BM011023.D

Acq: 27 Jul 2017 22:35

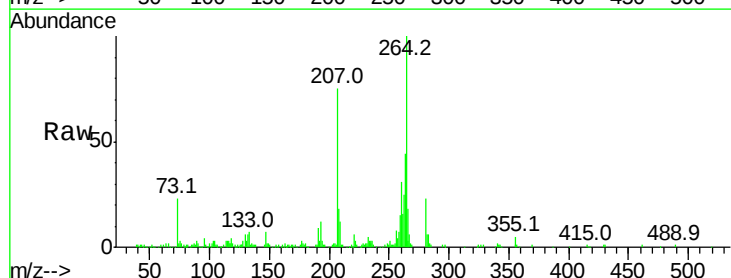
Tgt Ion:264 Resp: 241809

Ion Ratio Lower Upper

264 100

260 30.6 18.6 27.8#

265 18.1 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

