

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM031919\  
 Data File : BM019238.D  
 Acq On : 19 Mar 2019 16:05  
 Operator : JU/SJ  
 Sample : K1930-13  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-5

Quant Time: Mar 20 05:11:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.64  | 152  | 182124   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.42 | 136  | 745604   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 14.30 | 164  | 473902   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.05 | 188  | 1102294  | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.26 | 240  | 1001753  | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.49 | 264  | 899263   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 1467639  | 130.50 | ng    | -0.01    |
| 7) Phenol-d6                | 6.82  | 99   | 1835365  | 111.58 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.81  | 82   | 1533530  | 97.22  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.80 | 330  | 1187303  | 169.69 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.91 | 172  | 3343260  | 91.77  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.70 | 244  | 6132727  | 121.53 | ng    | -0.01    |

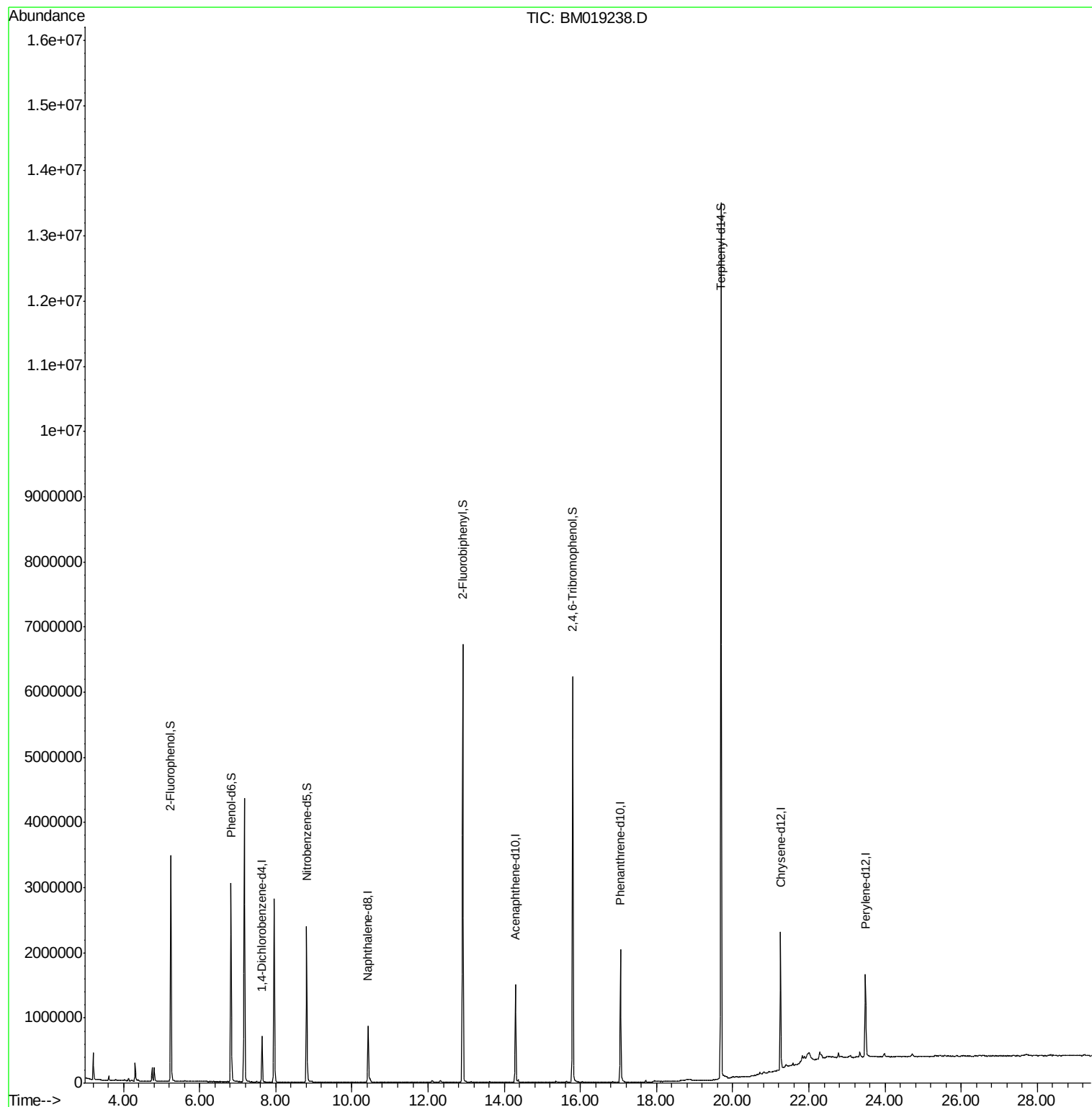
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

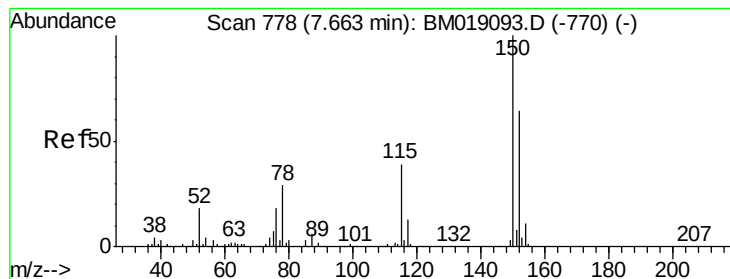
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM031119.M  
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QLast Update : Mon Mar 11 17:30:46 2019  
Response via : Initial Calibration



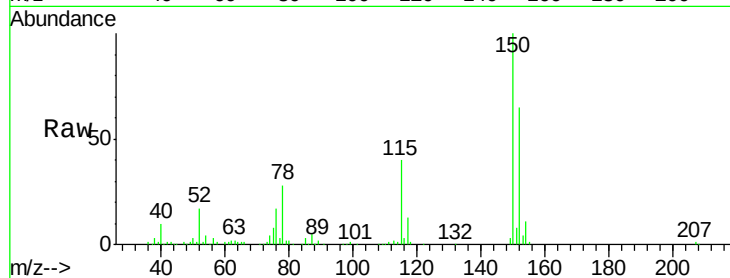


#1

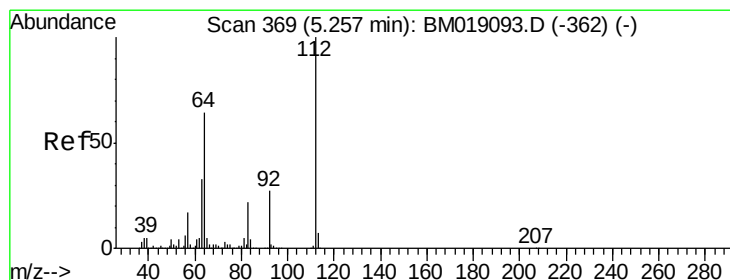
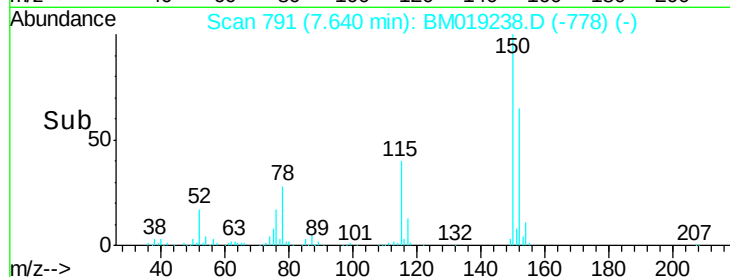
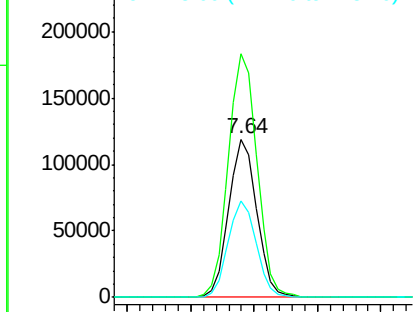
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.64 min Scan# 791  
Delta R.T. -0.02 min  
Lab File: BM019238.D  
Acq: 19 Mar 2019 16:05

Instrument :  
BNA\_M  
ClientSampleId :  
TP-5

Tgt Ion:152 Resp: 182124  
Ion Ratio Lower Upper  
152 100  
150 153.9 125.3 187.9  
115 61.0 49.4 74.0



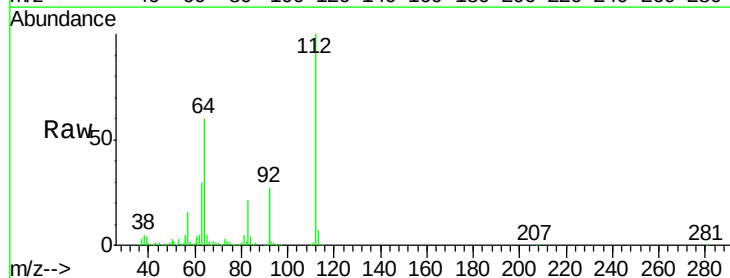
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



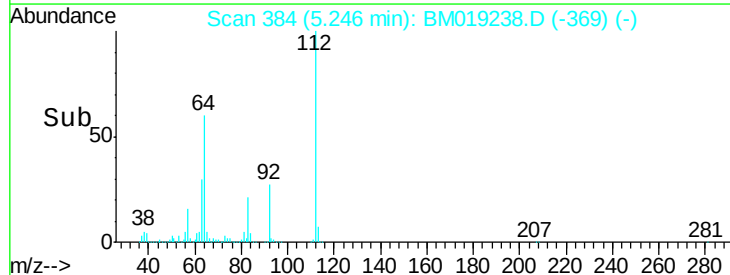
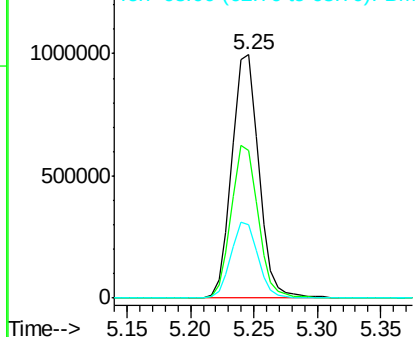
#5

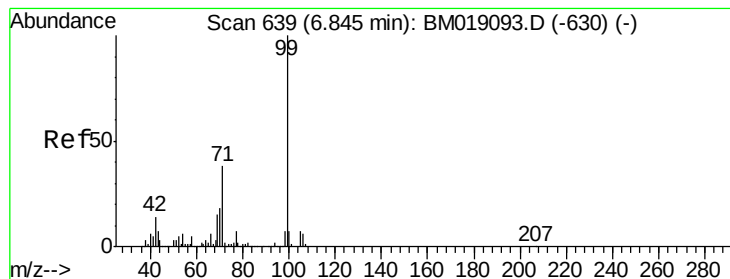
2-Fluorophenol  
Concen: 130.505 ng  
RT: 5.25 min Scan# 384  
Delta R.T. -0.01 min  
Lab File: BM019238.D  
Acq: 19 Mar 2019 16:05

Tgt Ion:112 Resp: 1467639  
Ion Ratio Lower Upper  
112 100  
64 60.5 51.4 77.0  
63 30.3 26.6 40.0



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: 111.577 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.02 min

Lab File: BM019238.D

Acq: 19 Mar 2019 16:05

Instrument :

BNA\_M

ClientSampleId :

TP-5

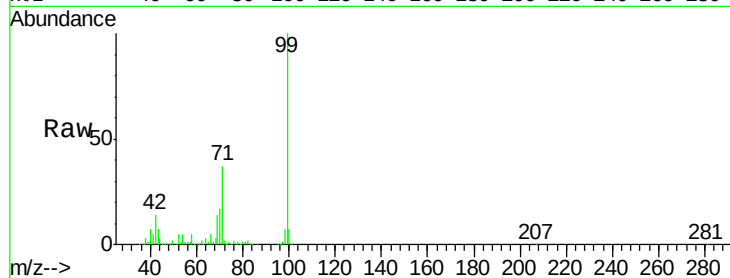
Tgt Ion: 99 Resp: 1835365

Ion Ratio Lower Upper

99 100

42 13.8 10.9 16.3

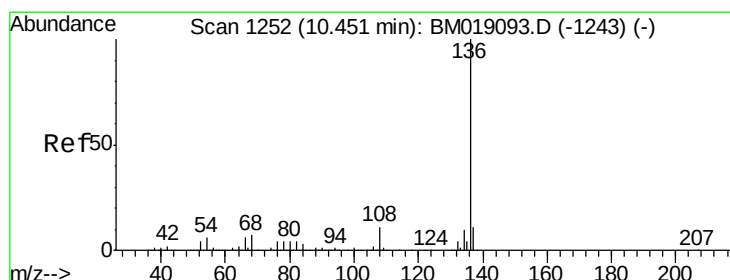
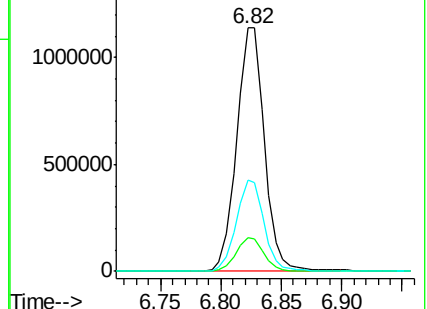
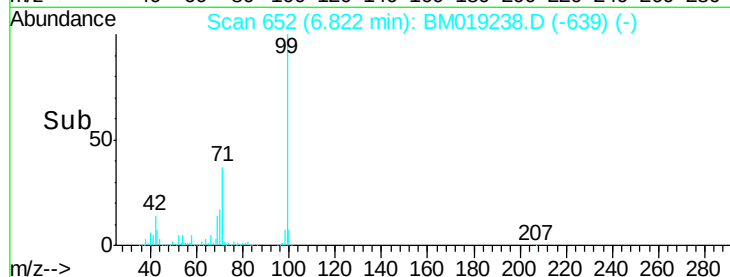
71 37.4 30.3 45.5



Abundance Ion 99.00 (98.70 to 99.70): BM019238.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM019238.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM019238.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1264

Delta R.T. -0.03 min

Lab File: BM019238.D

Acq: 19 Mar 2019 16:05

Tgt Ion: 136 Resp: 745604

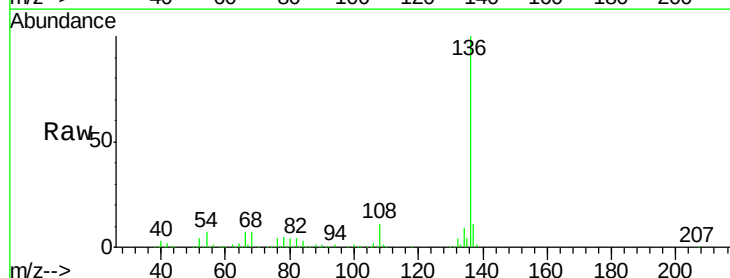
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 6.7 5.2 7.8

68 7.4 5.8 8.8

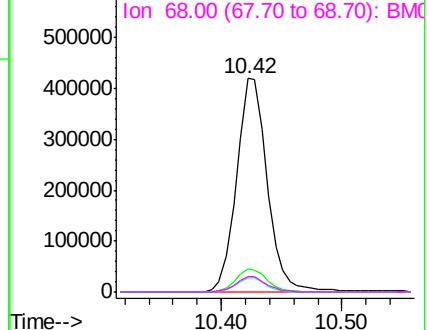
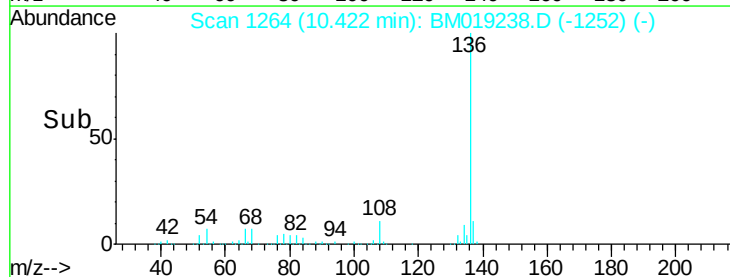


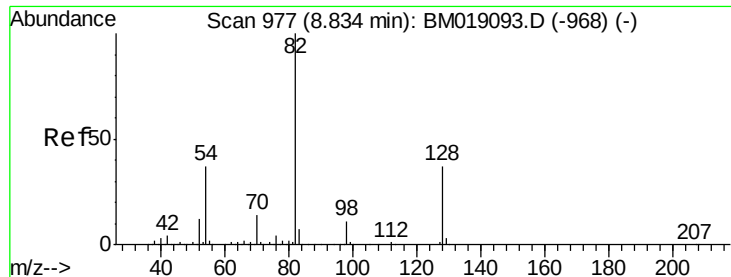
Abundance Ion 136.00 (135.70 to 136.70): BM019238.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM019238.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM019238.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM019238.D (-1252) (-)

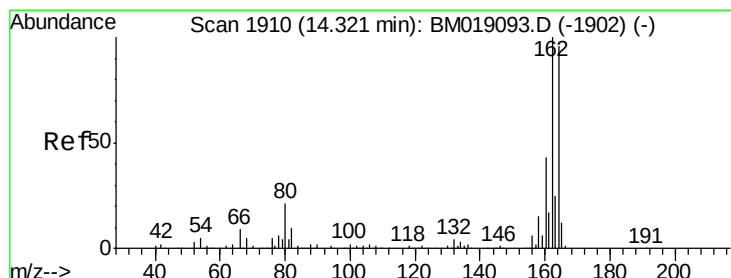
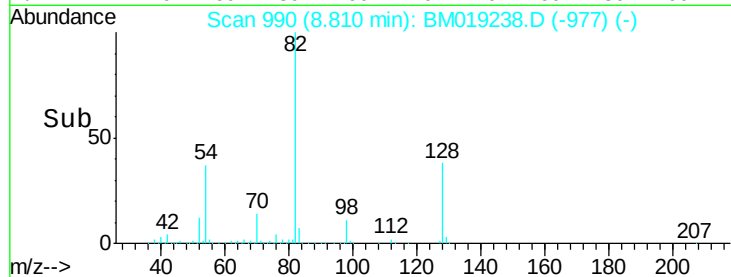
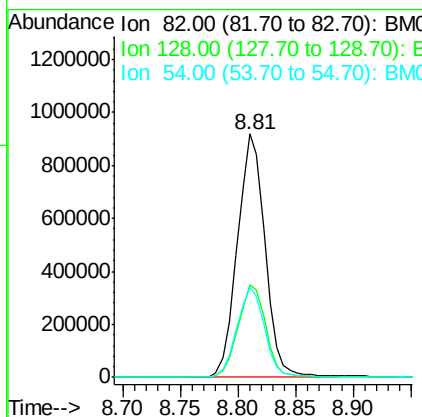
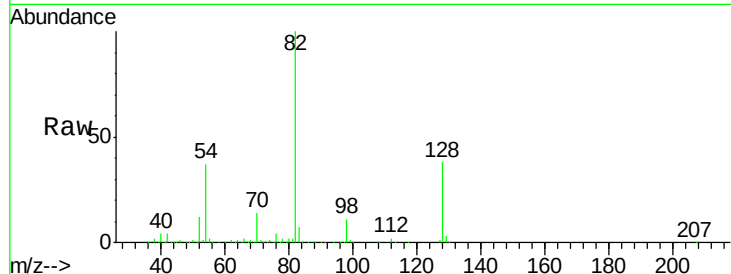




#23  
 Nitrobenzene-d5  
 Concen: 97.223 ng  
 RT: 8.81 min Scan# 990  
 Delta R.T. -0.02 min  
 Lab File: BM019238.D  
 Acq: 19 Mar 2019 16:05

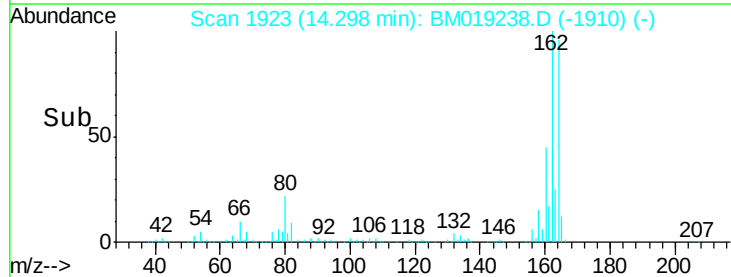
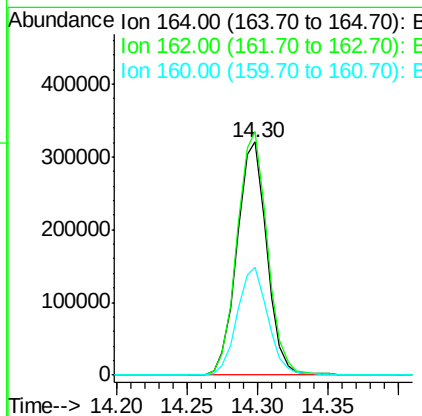
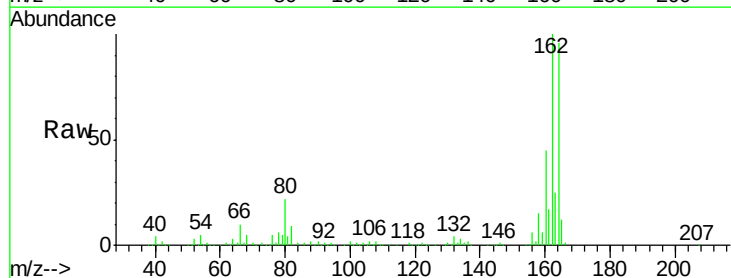
Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-5

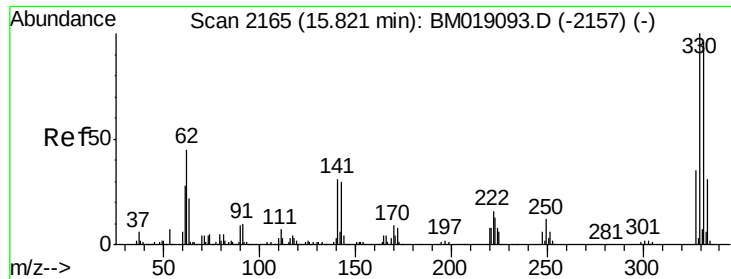
Tgt Ion: 82 Resp: 1533530  
 Ion Ratio Lower Upper  
 82 100  
 128 38.3 29.4 44.2  
 54 37.0 29.9 44.9



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.30 min Scan# 1923  
 Delta R.T. -0.02 min  
 Lab File: BM019238.D  
 Acq: 19 Mar 2019 16:05

Tgt Ion: 164 Resp: 473902  
 Ion Ratio Lower Upper  
 164 100  
 162 104.5 83.5 125.3  
 160 46.6 36.3 54.5

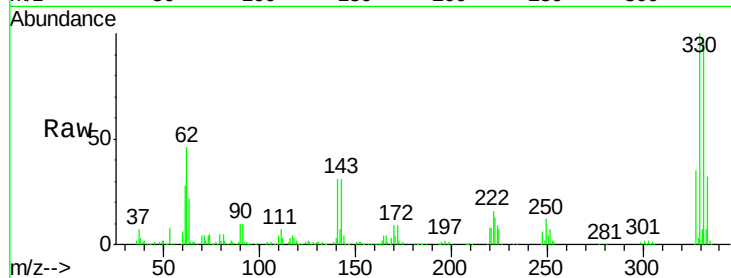




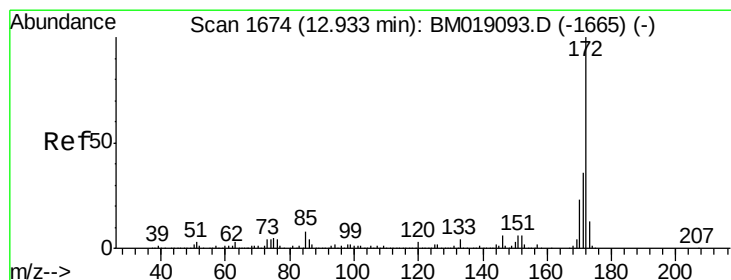
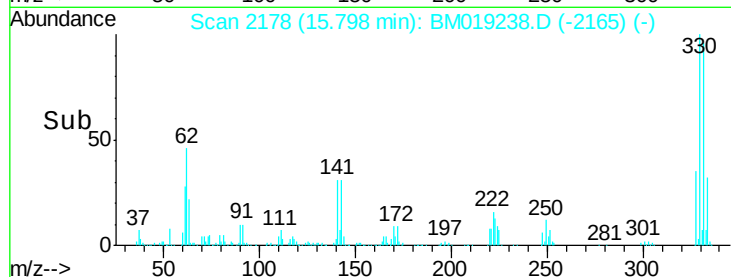
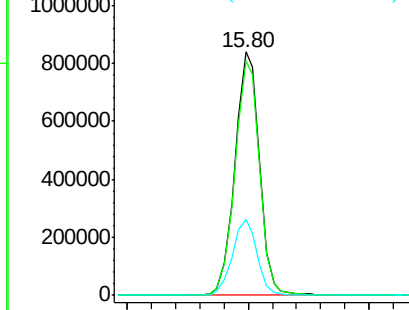
#42  
 2,4,6-Tribromophenol  
 Concen: 169.688 ng  
 RT: 15.80 min Scan# 2178  
 Delta R.T. -0.02 min  
 Lab File: BM019238.D  
 Acq: 19 Mar 2019 16:05

Instrument :  
 BNA\_M  
 ClientSampled :  
 TP-5

Tgt Ion:330 Resp: 1187303  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 76.8 115.2  
 141 31.4 27.0 40.4

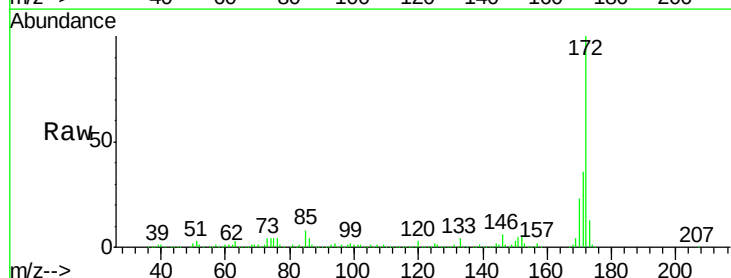


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

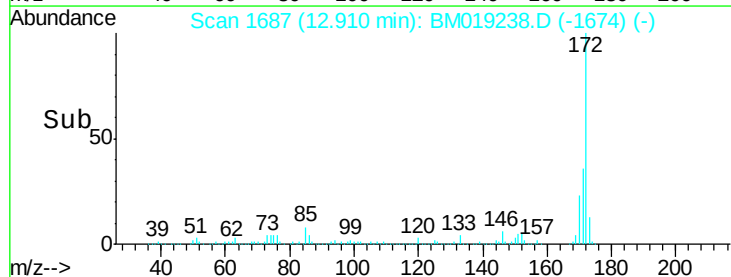
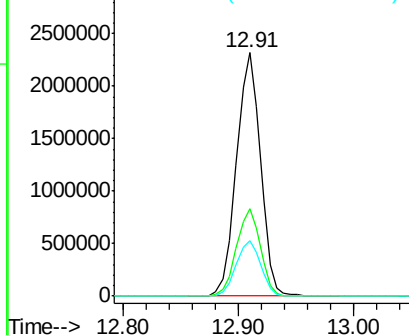


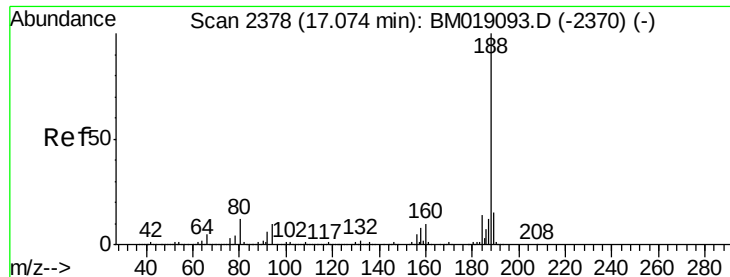
#45  
 2-Fluorobiphenyl  
 Concen: 91.765 ng  
 RT: 12.91 min Scan# 1687  
 Delta R.T. -0.02 min  
 Lab File: BM019238.D  
 Acq: 19 Mar 2019 16:05

Tgt Ion:172 Resp: 3343260  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 28.6 42.8  
 170 23.0 18.6 28.0



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2391

Delta R.T. -0.02 min

Lab File: BM019238.D

Acq: 19 Mar 2019 16:05

Instrument :

BNA\_M

ClientSampleId :

TP-5

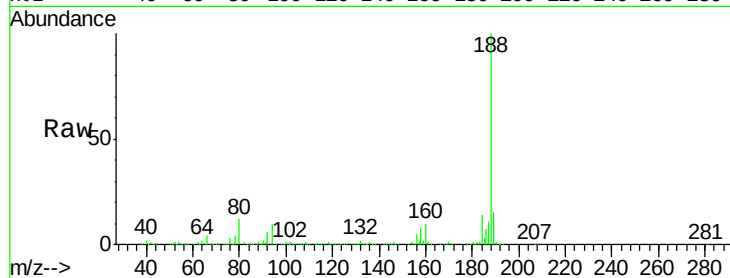
Tgt Ion:188 Resp: 1102294

Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

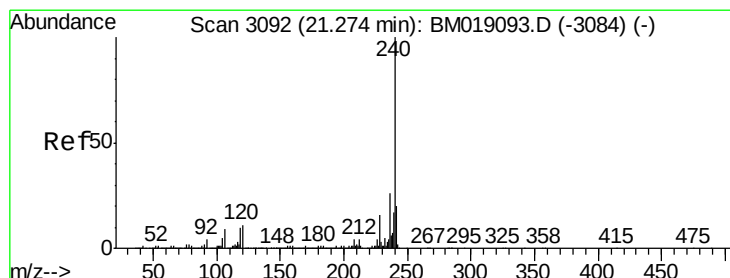
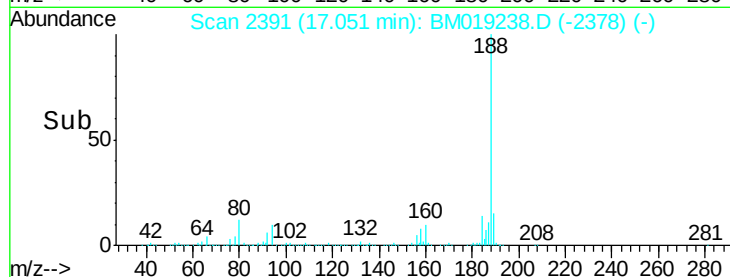
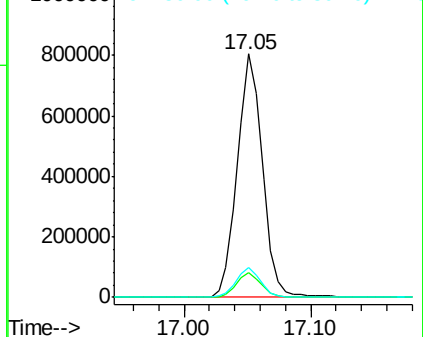
80 12.2 9.7 14.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.26 min Scan# 3106

Delta R.T. -0.02 min

Lab File: BM019238.D

Acq: 19 Mar 2019 16:05

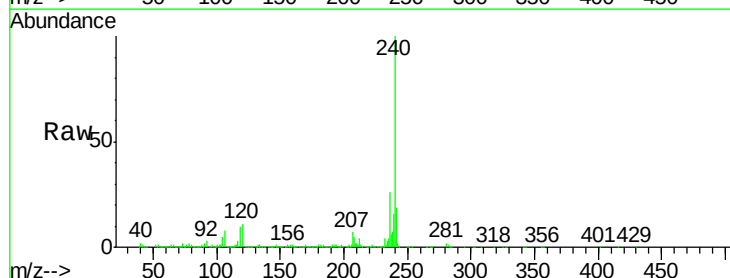
Tgt Ion:240 Resp: 1001753

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

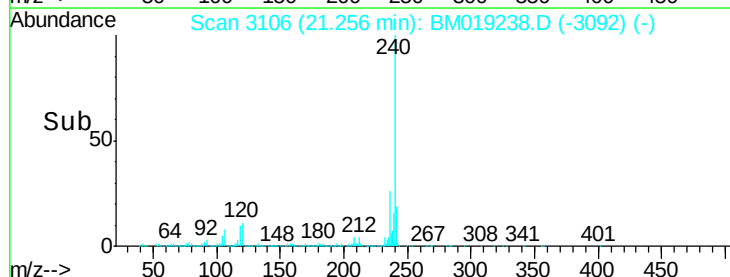
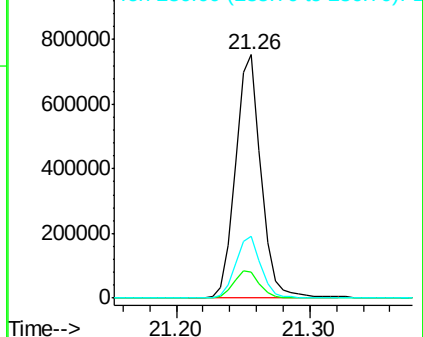
236 25.6 21.0 31.4

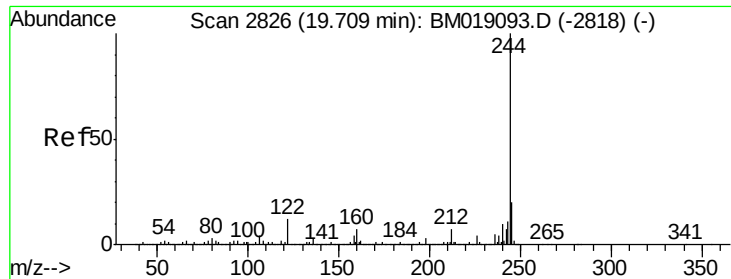


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 121.535 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM019238.D

Acq: 19 Mar 2019 16:05

Instrument :

BNA\_M

ClientSampleId :

TP-5

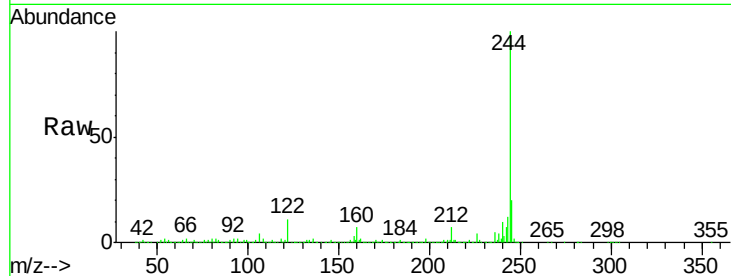
Tgt Ion:244 Resp: 6132727

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

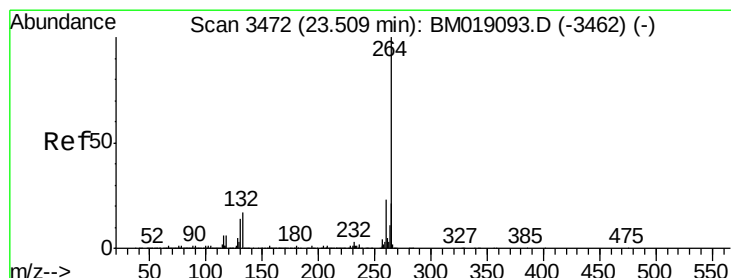
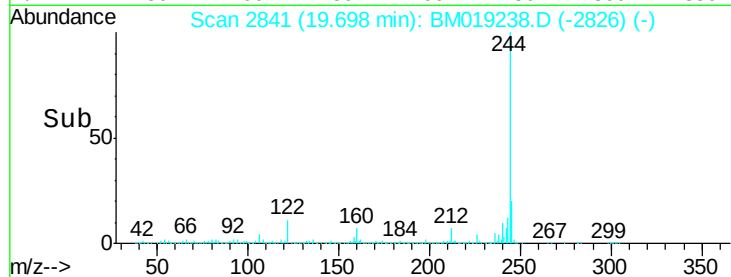
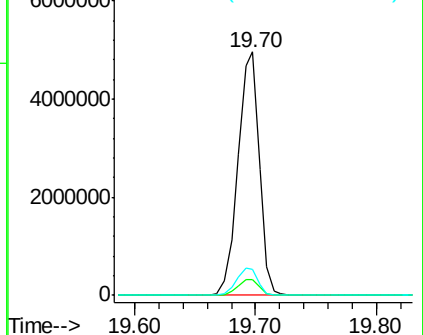
122 10.5 9.4 14.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.49 min Scan# 3485

Delta R.T. -0.02 min

Lab File: BM019238.D

Acq: 19 Mar 2019 16:05

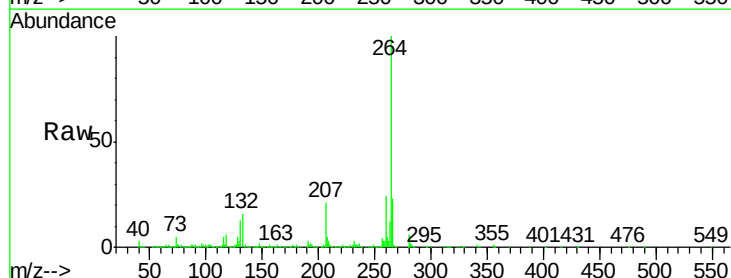
Tgt Ion:264 Resp: 899263

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.5 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

