

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM041919\  
 Data File : BM019981.D  
 Acq On : 19 Apr 2019 18:50  
 Operator : JU/SJ  
 Sample : K2487-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GMW-7

Quant Time: Apr 20 00:57:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 00:56:08 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.51  | 152  | 126438   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.29 | 136  | 503408   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.18 | 164  | 294749   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.94 | 188  | 661946   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.16 | 240  | 647051   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.35 | 264  | 690052   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.12  | 112  | 585077   | 74.99  | ng    | 0.00     |
| 7) Phenol-d6                | 6.71  | 99   | 523832   | 44.61  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.69  | 82   | 1053211  | 93.56  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.69 | 330  | 690999   | 145.64 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.78 | 172  | 2244757  | 94.91  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.59 | 244  | 3948993  | 107.65 | ng    | 0.00     |

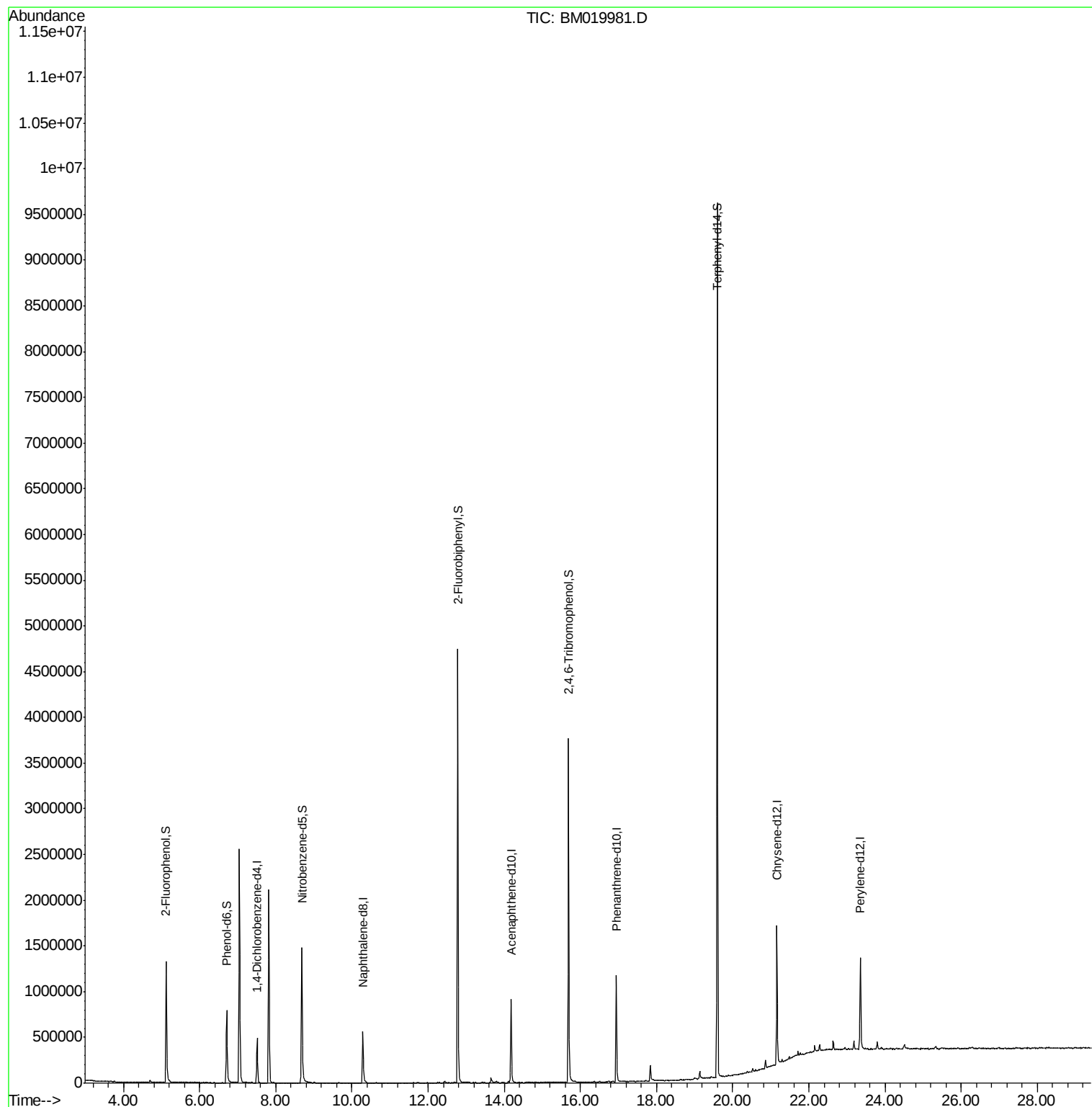
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

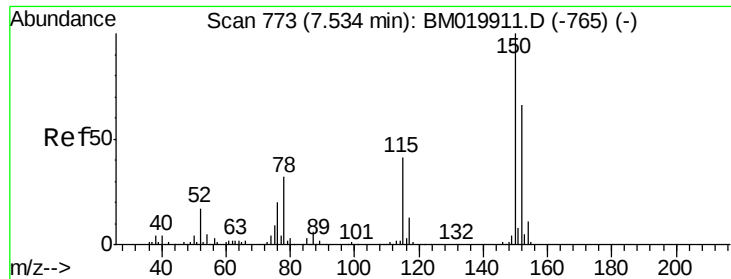
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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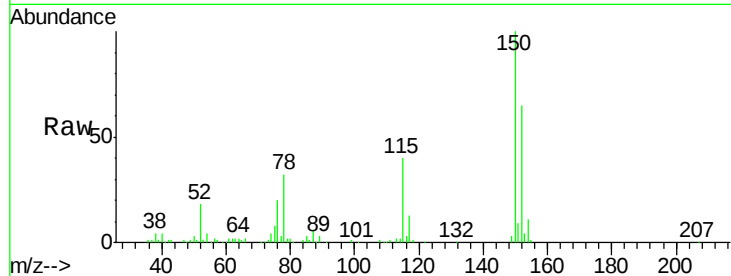


#1

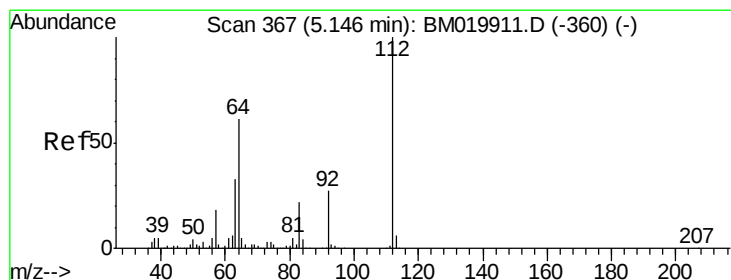
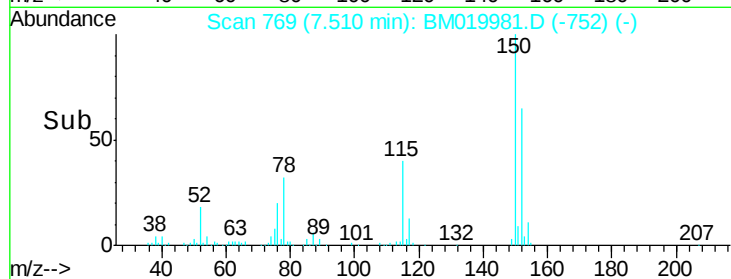
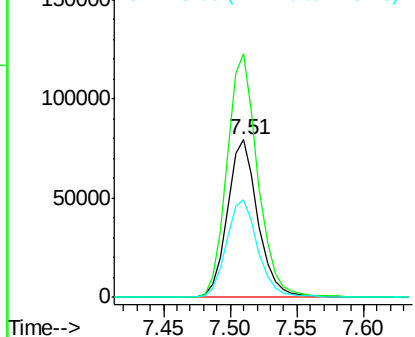
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.51 min Scan# 769  
Delta R.T. -0.00 min  
Lab File: BM019981.D  
Acq: 19 Apr 2019 18:50

Instrument :  
BNA\_M  
ClientSampleId :  
GMW-7

Tgt Ion:152 Resp: 126438  
Ion Ratio Lower Upper  
152 100  
150 154.4 122.1 183.1  
115 62.0 50.0 75.0



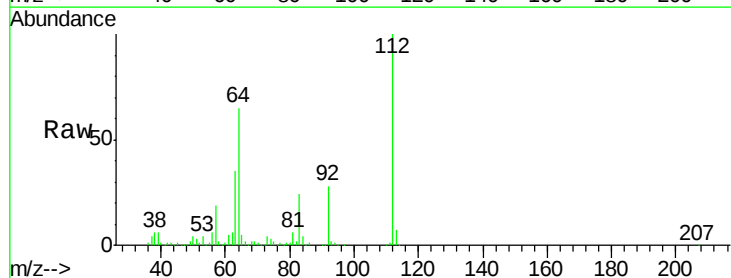
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



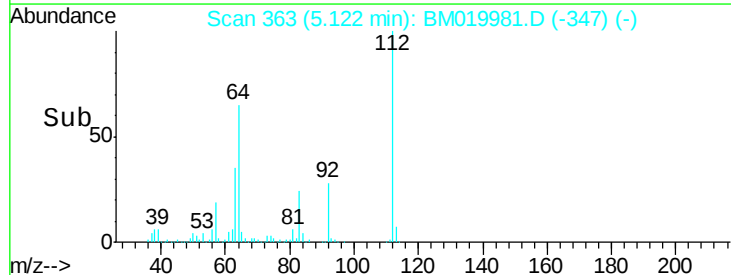
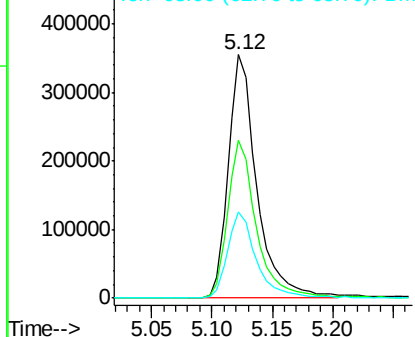
#5

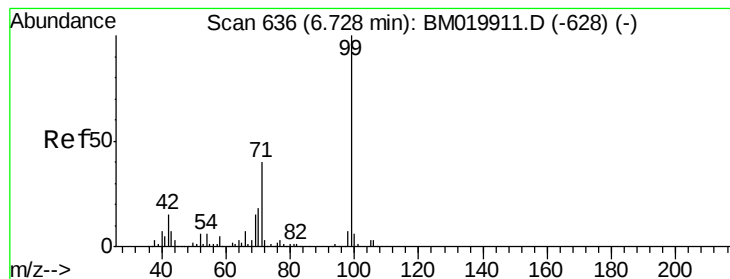
2-Fluorophenol  
Concen: 74.994 ng  
RT: 5.12 min Scan# 363  
Delta R.T. -0.01 min  
Lab File: BM019981.D  
Acq: 19 Apr 2019 18:50

Tgt Ion:112 Resp: 585077  
Ion Ratio Lower Upper  
112 100  
64 65.0 49.1 73.7  
63 35.3 26.5 39.7



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: 44.614 ng

RT: 6.71 min Scan# 633

Delta R.T. -0.00 min

Lab File: BM019981.D

Acq: 19 Apr 2019 18:50

Instrument :

BNA\_M

ClientSampleId :

GMW-7

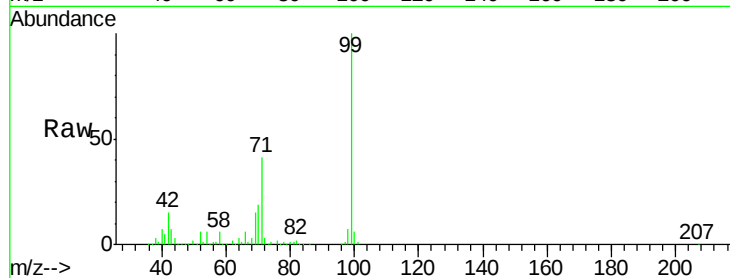
Tgt Ion: 99 Resp: 523832

Ion Ratio Lower Upper

99 100

42 15.0 11.8 17.8

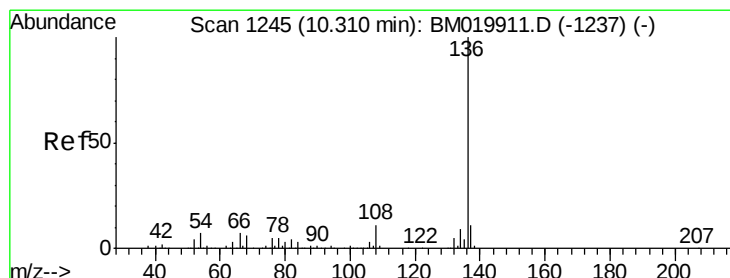
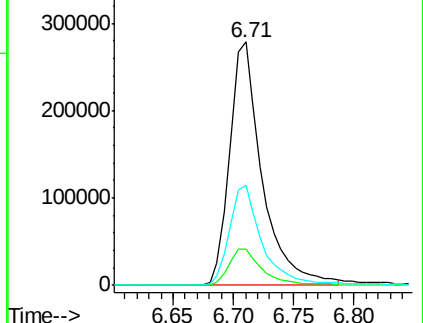
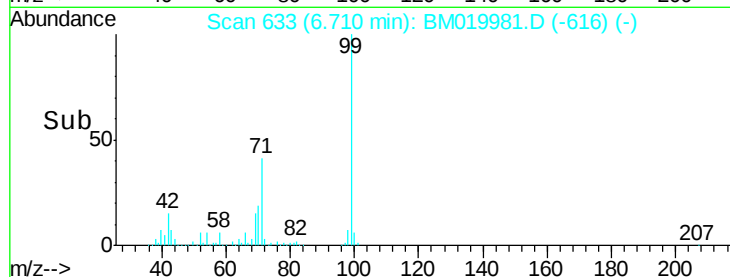
71 41.3 32.0 48.0



Abundance Ion 99.00 (98.70 to 99.70): BM019981.D (-616) (-)

Ion 42.00 (41.70 to 42.70): BM019981.D (-616) (-)

Ion 71.00 (70.70 to 71.70): BM019981.D (-616) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1241

Delta R.T. -0.00 min

Lab File: BM019981.D

Acq: 19 Apr 2019 18:50

Tgt Ion: 136 Resp: 503408

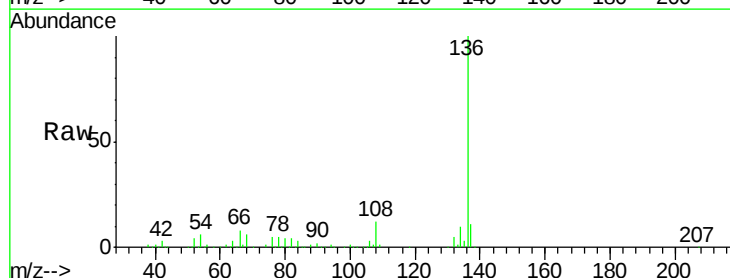
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 6.3 5.3 7.9

68 6.2 5.2 7.8

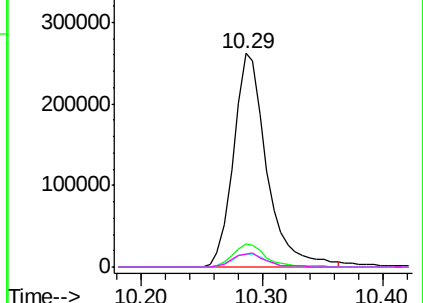
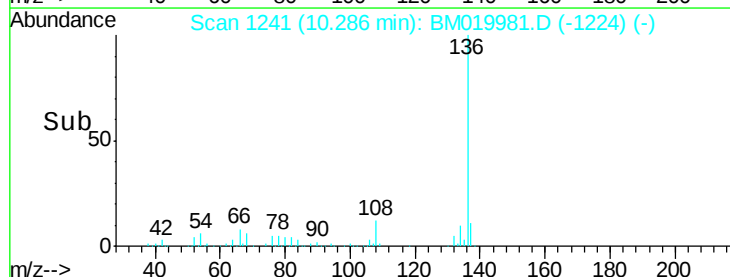


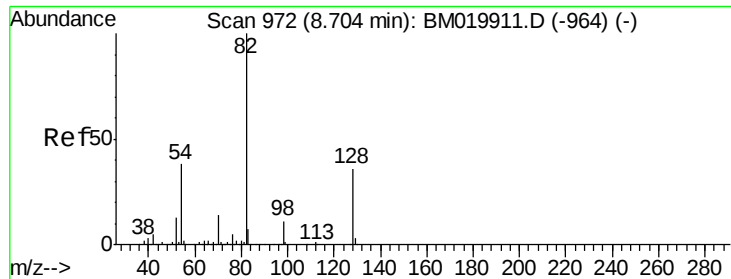
Abundance Ion 136.00 (135.70 to 136.70): BM019981.D (-1224) (-)

Ion 137.00 (136.70 to 137.70): BM019981.D (-1224) (-)

Ion 54.00 (53.70 to 54.70): BM019981.D (-1224) (-)

Ion 68.00 (67.70 to 68.70): BM019981.D (-1224) (-)

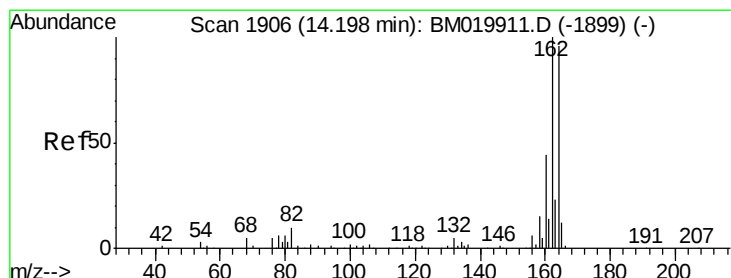
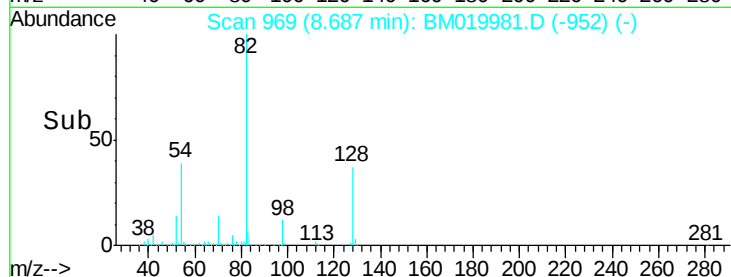
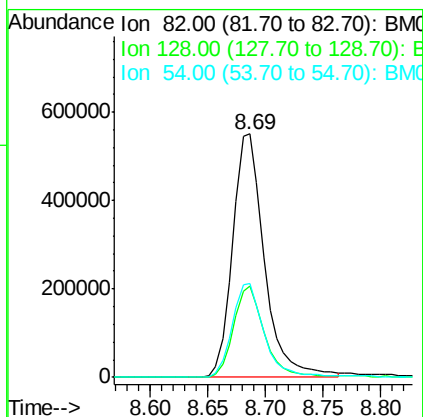
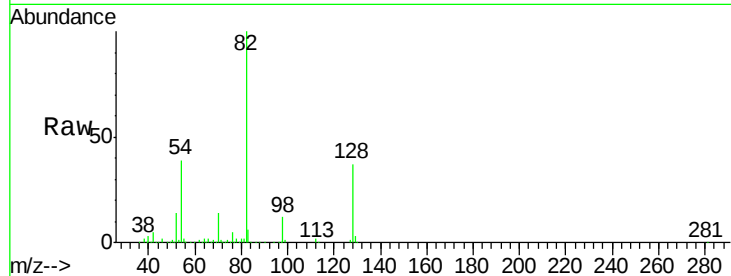




#23  
 Nitrobenzene-d5  
 Concen: 93.564 ng  
 RT: 8.69 min Scan# 969  
 Delta R.T. -0.00 min  
 Lab File: BM019981.D  
 Acq: 19 Apr 2019 18:50

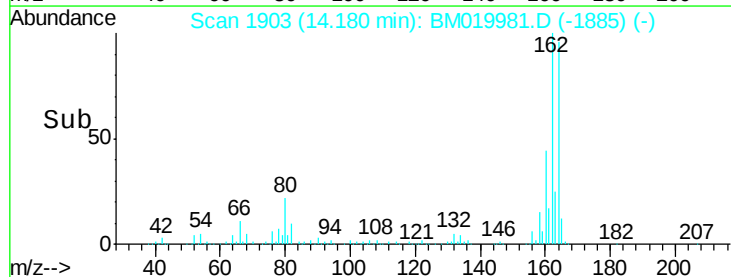
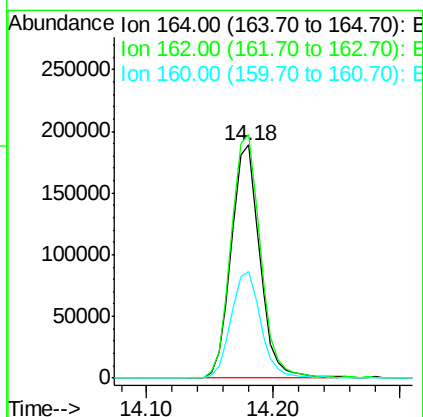
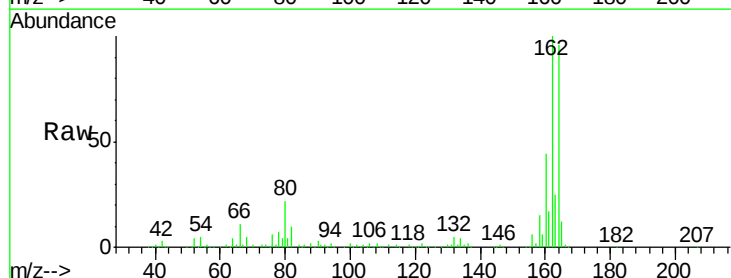
Instrument :  
 BNA\_M  
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 GMW-7

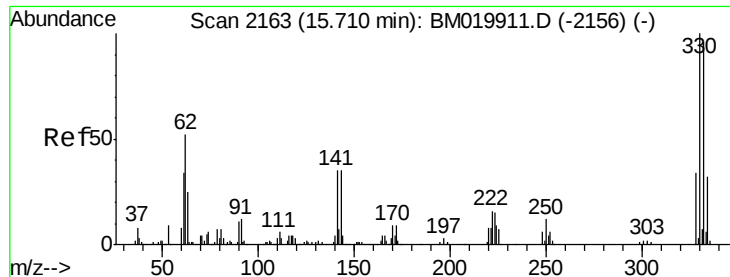
Tgt Ion: 82 Resp: 1053211  
 Ion Ratio Lower Upper  
 82 100  
 128 37.5 29.0 43.4  
 54 38.6 30.2 45.4



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.18 min Scan# 1903  
 Delta R.T. 0.01 min  
 Lab File: BM019981.D  
 Acq: 19 Apr 2019 18:50

Tgt Ion: 164 Resp: 294749  
 Ion Ratio Lower Upper  
 164 100  
 162 104.4 83.0 124.4  
 160 45.8 36.6 55.0

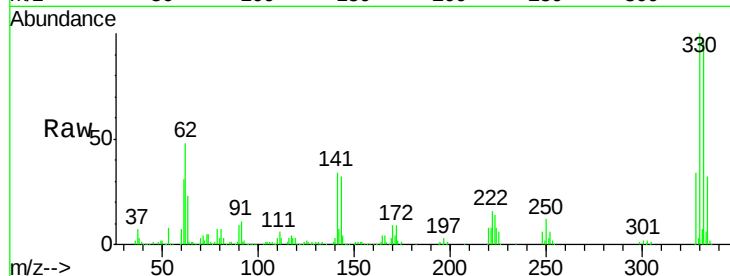




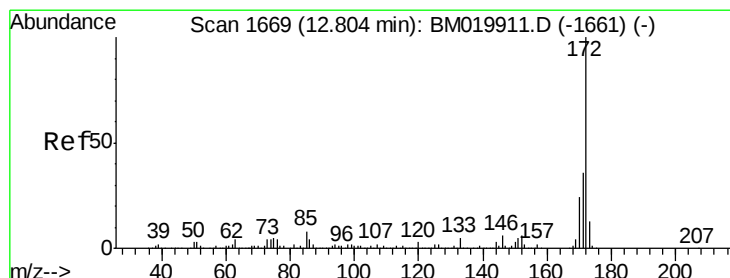
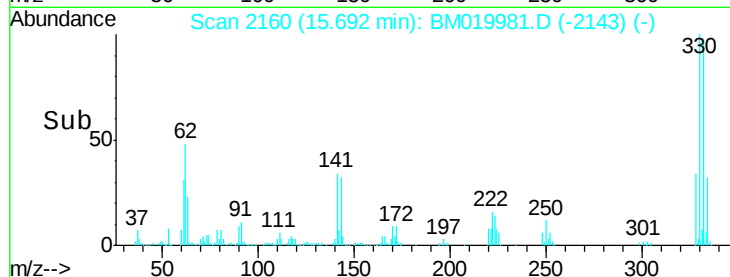
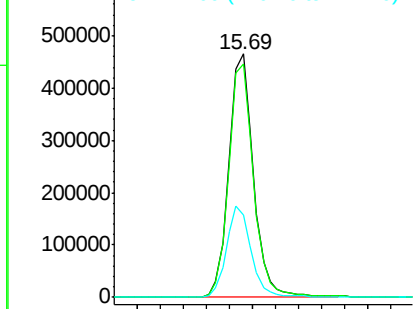
#42  
 2,4,6-Tribromophenol  
 Concen: 145.638 ng  
 RT: 15.69 min Scan# 2160  
 Delta R.T. -0.00 min  
 Lab File: BM019981.D  
 Acq: 19 Apr 2019 18:50

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GMW-7

Tgt Ion:330 Resp: 690999  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.4 116.2  
 141 37.7 29.0 43.4

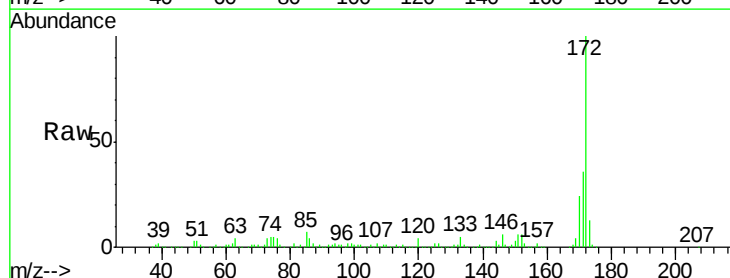


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

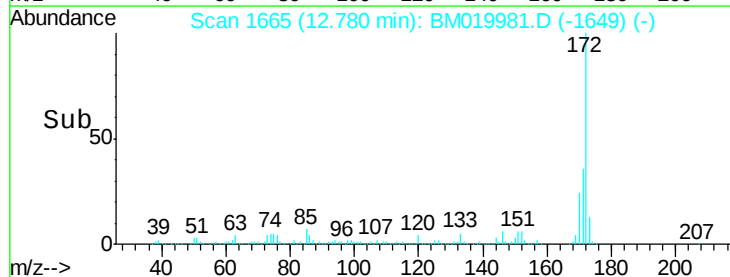
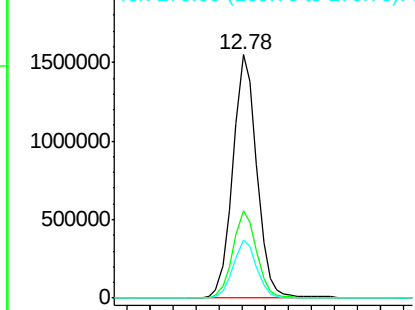


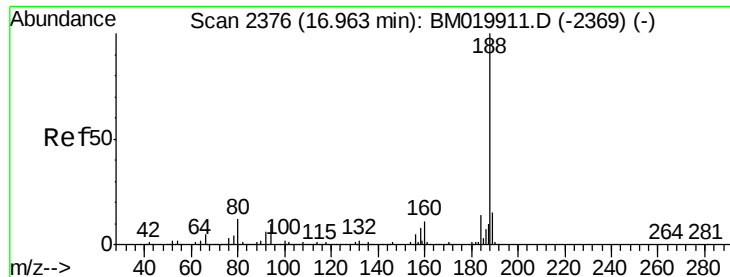
#45  
 2-Fluorobiphenyl  
 Concen: 94.911 ng  
 RT: 12.78 min Scan# 1665  
 Delta R.T. -0.01 min  
 Lab File: BM019981.D  
 Acq: 19 Apr 2019 18:50

Tgt Ion:172 Resp: 2244757  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.9 43.3  
 170 23.6 19.0 28.4



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

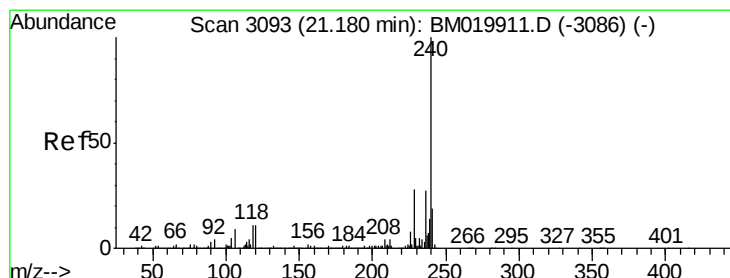
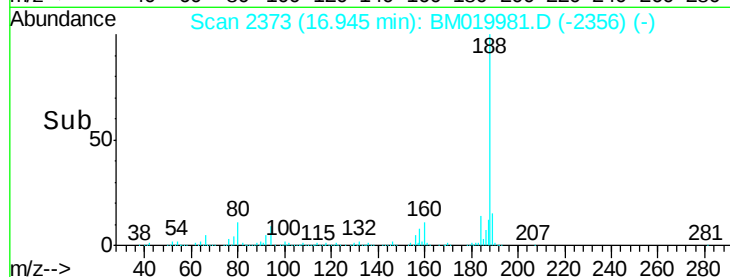
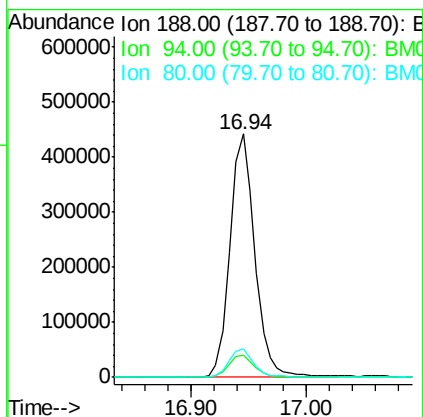
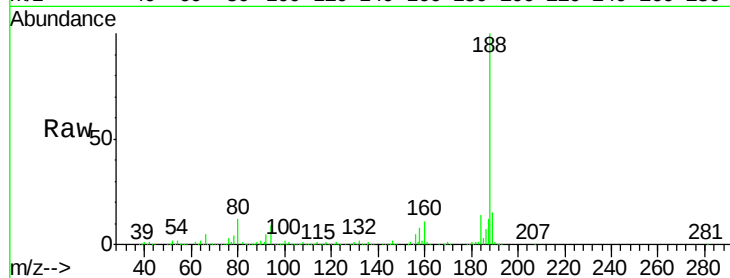




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.94 min Scan# 2373  
Delta R.T. -0.00 min  
Lab File: BM019981.D  
Acq: 19 Apr 2019 18:50

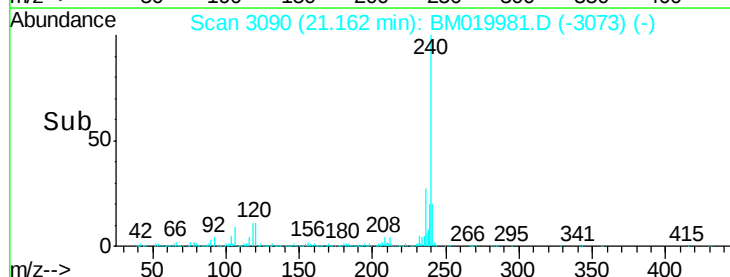
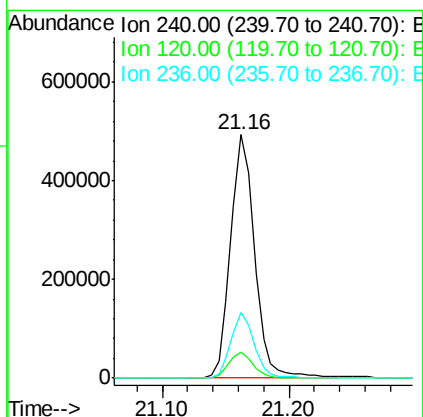
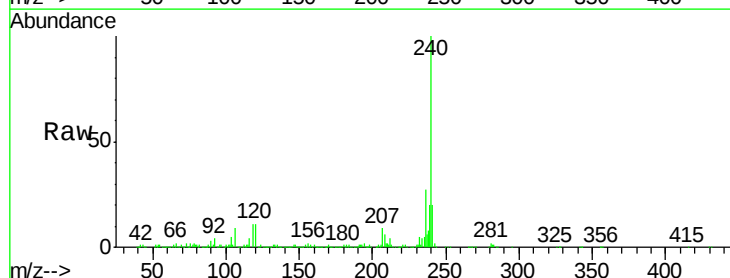
Instrument :  
BNA\_M  
ClientSampleId :  
GMW-7

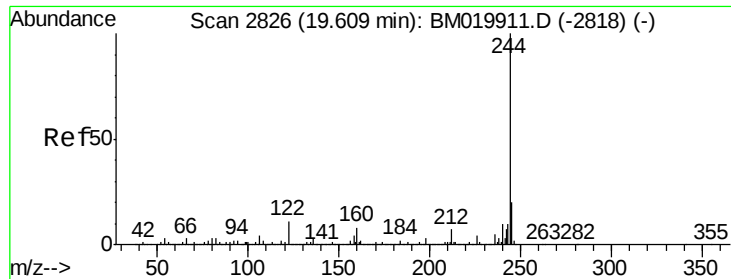
Tgt Ion:188 Resp: 661946  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.6 11.4  
80 11.5 9.4 14.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.16 min Scan# 3090  
Delta R.T. -0.00 min  
Lab File: BM019981.D  
Acq: 19 Apr 2019 18:50

Tgt Ion:240 Resp: 647051  
Ion Ratio Lower Upper  
240 100  
120 10.8 8.6 13.0  
236 27.1 21.4 32.2





#79

Terphenyl-d14

Concen: 107.647 ng

RT: 19.59 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM019981.D

Acq: 19 Apr 2019 18:50

Instrument :

BNA\_M

ClientSampleId :

GMW-7

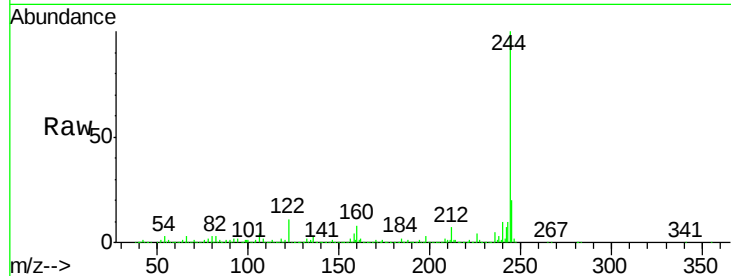
Tgt Ion:244 Resp: 3948993

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

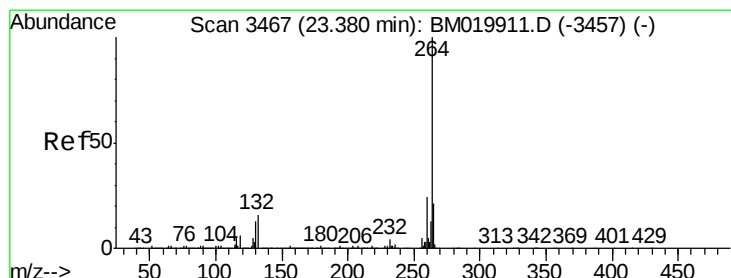
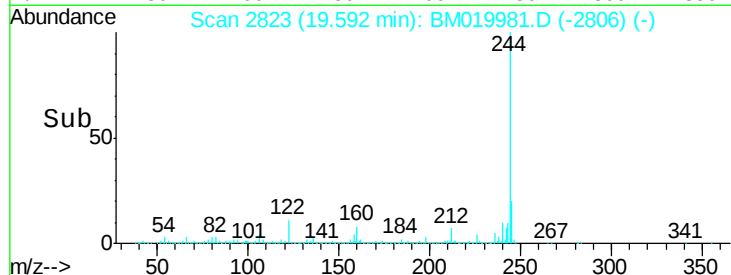
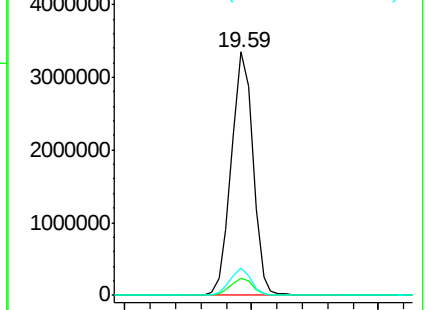
122 11.3 9.1 13.7



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: 23.35 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BM019981.D

Acq: 19 Apr 2019 18:50

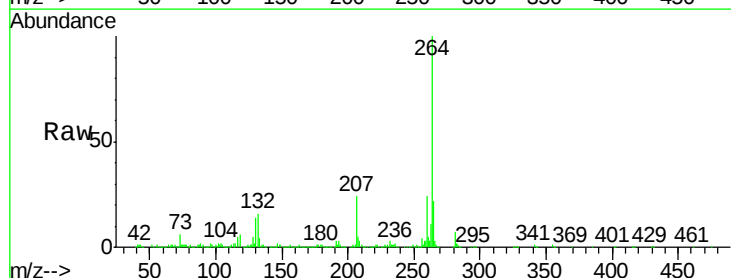
Tgt Ion:264 Resp: 690052

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 22.2 17.2 25.8



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

