

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041218\  
 Data File : BG033785.D  
 Acq On : 12 Apr 2018 23:04  
 Operator : SJ/JU  
 Sample : J2335-02  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S1

Quant Time: Apr 13 03:22:59 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 10 16:51:36 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.86  | 152  | 27472    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.74 | 136  | 115769   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.47 | 164  | 94462    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.20 | 188  | 271905   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.55 | 240  | 298439   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.31 | 264  | 313952   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.28  | 112  | 247837   | 169.16 | ng    | 0.00     |
| 7) Phenol-d6                | 7.97  | 99   | 333260   | 132.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 258360   | 102.53 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.95 | 330  | 218279   | 154.50 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.10 | 172  | 605107   | 92.48  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.73 | 244  | 1458234  | 104.50 | ng    | 0.00     |

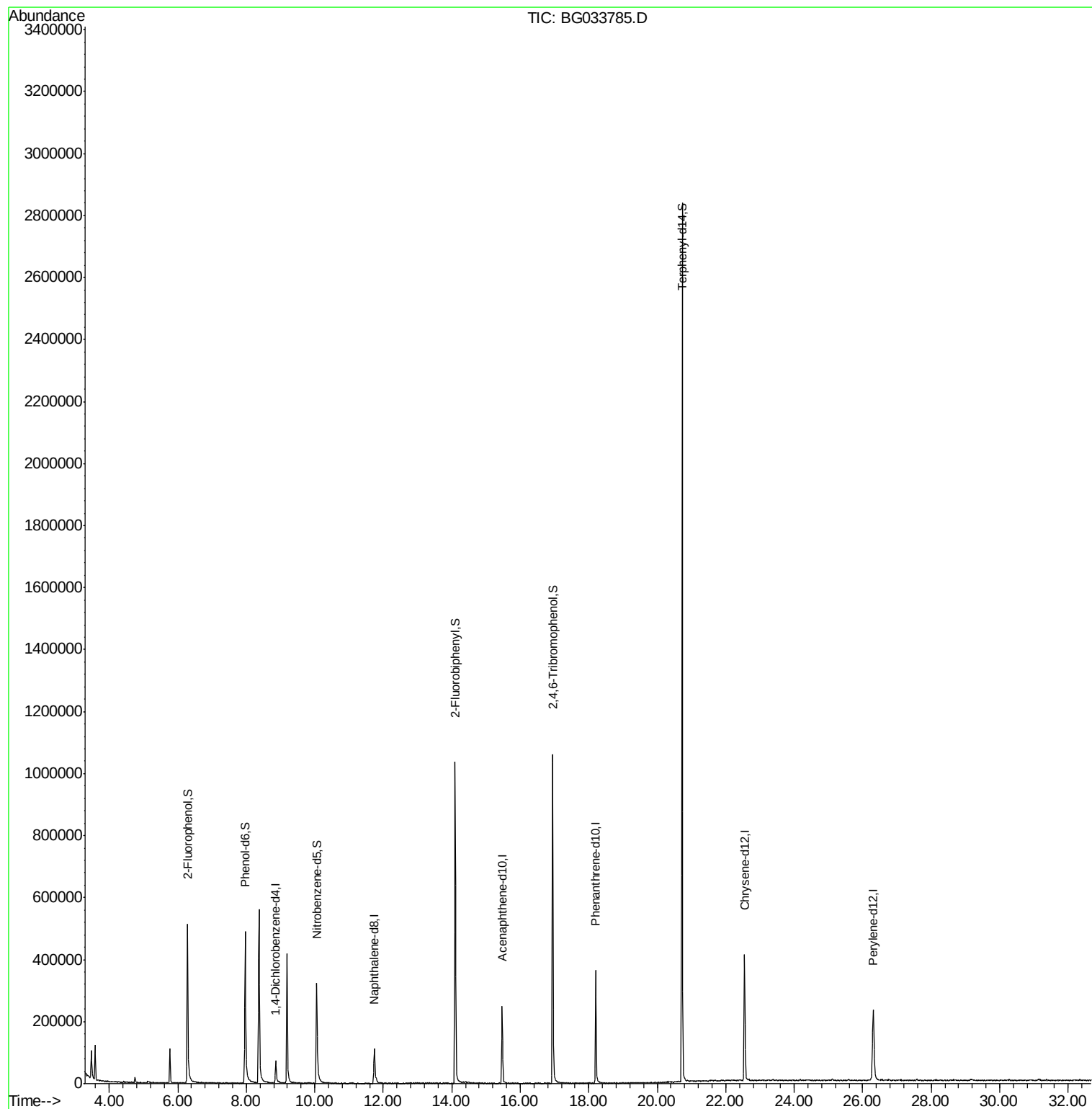
Target Compounds Qvalue

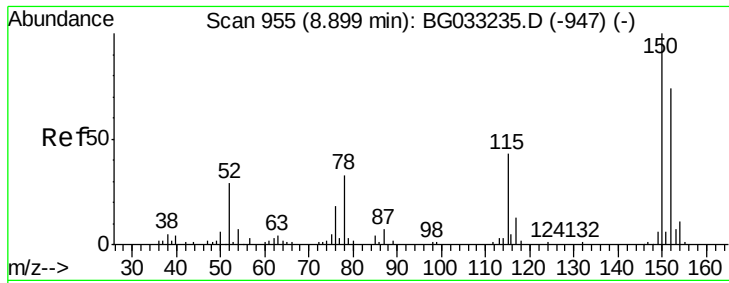
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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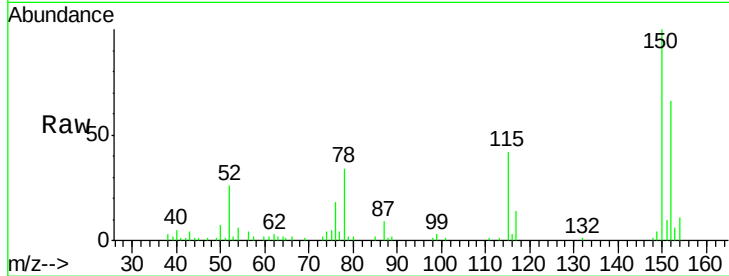


#1

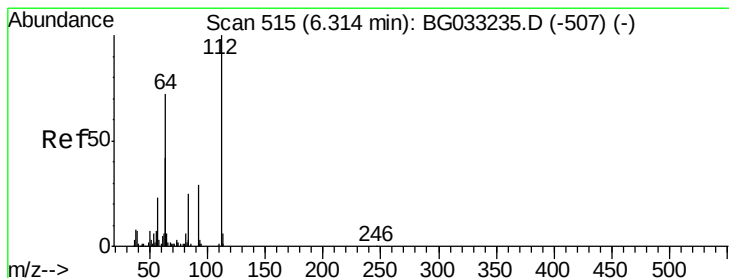
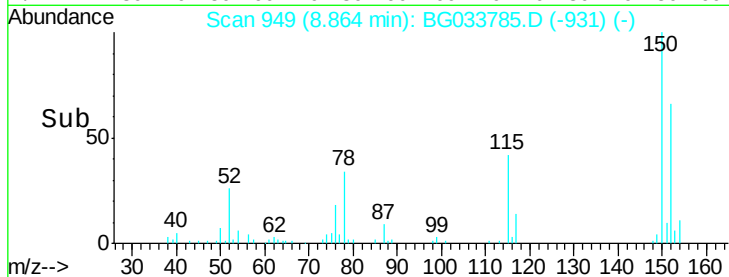
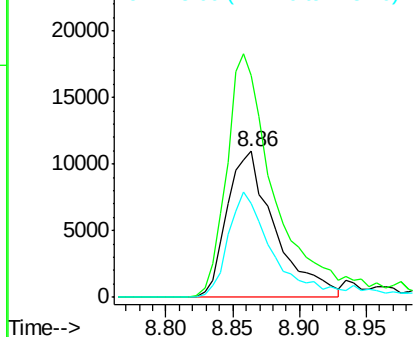
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.86 min Scan# 949  
Delta R.T. 0.01 min  
Lab File: BG033785.D  
Acq: 12 Apr 2018 23:04

Instrument :  
BNA\_G  
ClientSampled :  
S1

Tot Ion:152 Resp: 27472  
Ion Ratio Lower Upper  
152 100  
150 152.3 126.6 189.8  
115 64.5 53.0 79.4



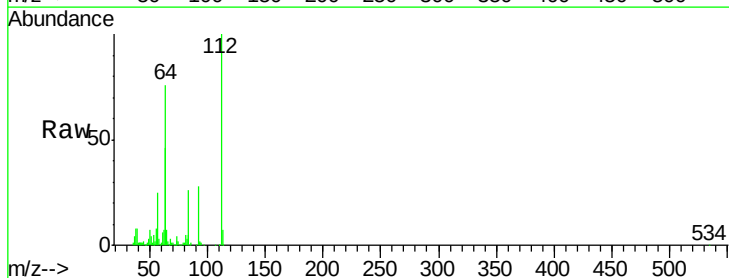
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



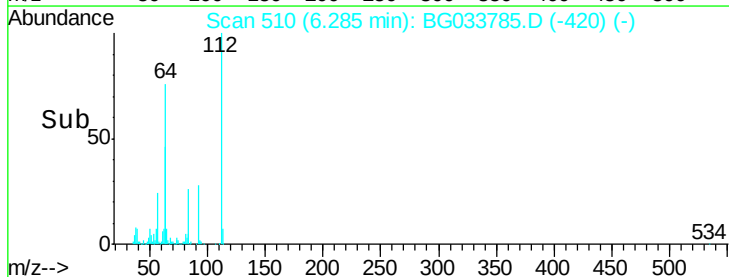
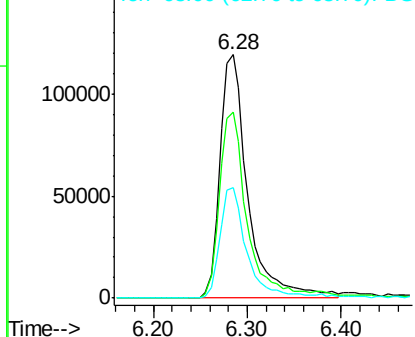
#5

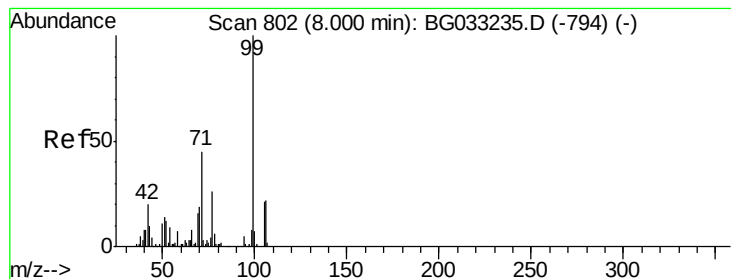
2-Fluorophenol  
Concen: 169.163 ng  
RT: 6.28 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: BG033785.D  
Acq: 12 Apr 2018 23:04

Tgt Ion:112 Resp: 247837  
Ion Ratio Lower Upper  
112 100  
64 76.3 56.3 84.5  
63 45.6 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 132.387 ng

RT: 7.97 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG033785.D

Acq: 12 Apr 2018 23:04

Instrument :

BNA\_G

ClientSampleId :

S1

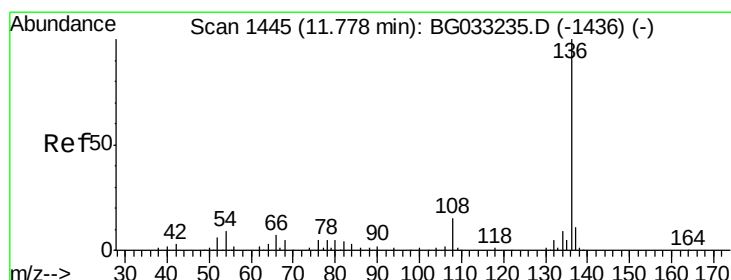
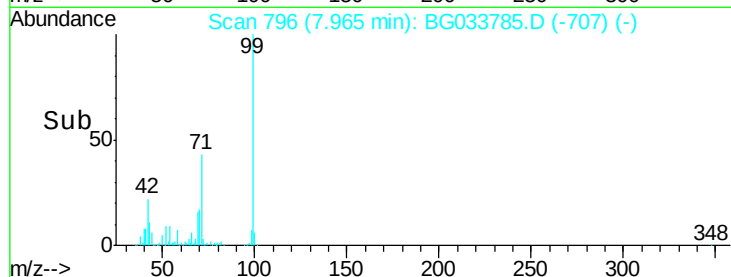
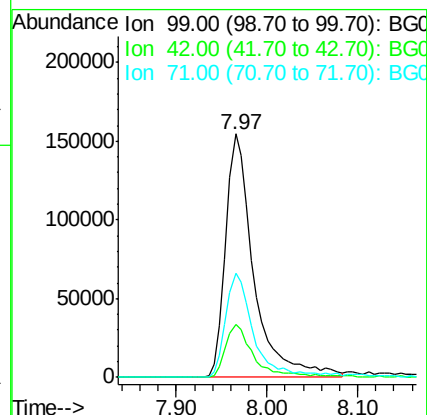
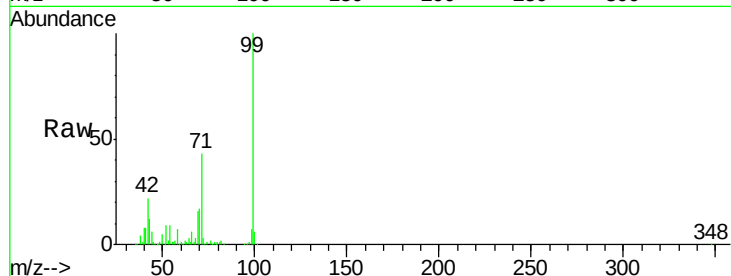
Tot Ion: 99 Resp: 333260

Ion Ratio Lower Upper

99 100

42 21.7 14.1 21.1#

71 42.8 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.74 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BG033785.D

Acq: 12 Apr 2018 23:04

Tgt Ion: 136 Resp: 115769

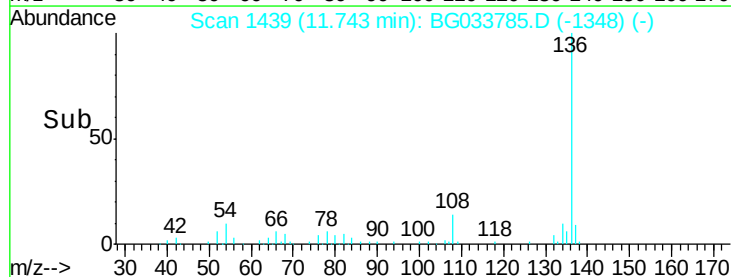
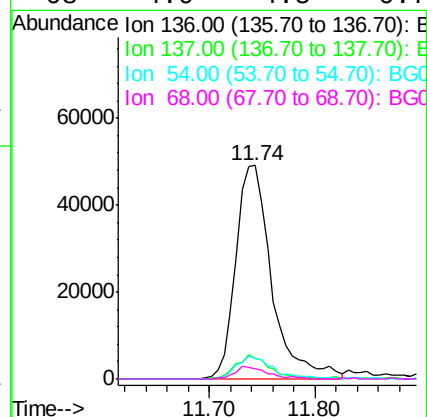
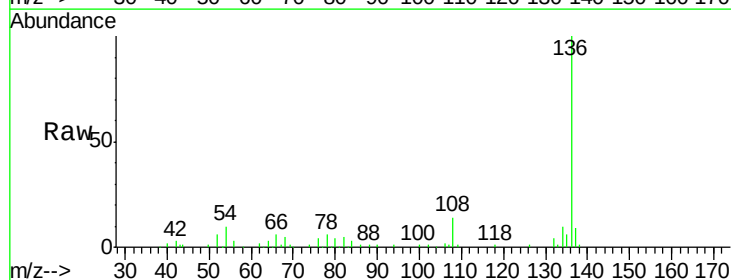
Ion Ratio Lower Upper

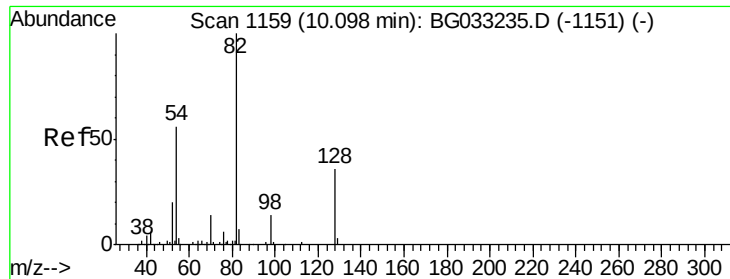
136 100

137 9.5 9.2 13.8

54 9.7 10.3 15.5#

68 4.9 4.5 6.7

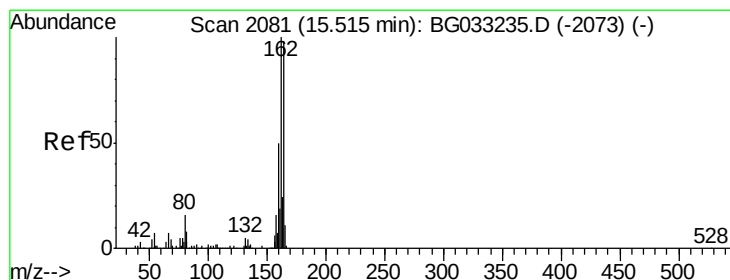
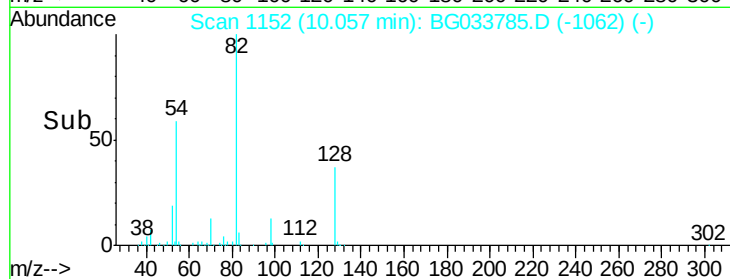
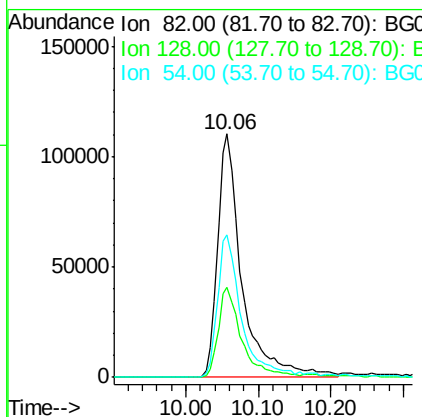
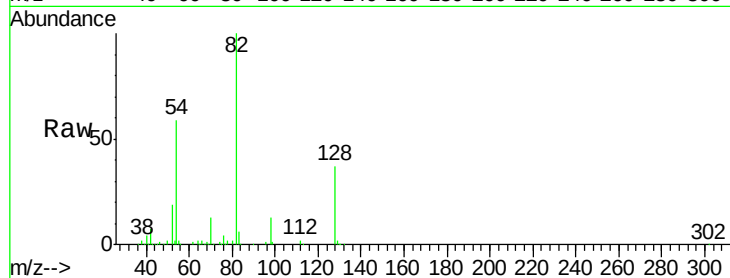




#23  
 Nitrobenzene-d5  
 Concen: 102.533 ng  
 RT: 10.06 min Scan# 1152  
 Delta R.T. 0.00 min  
 Lab File: BG033785.D  
 Acq: 12 Apr 2018 23:04

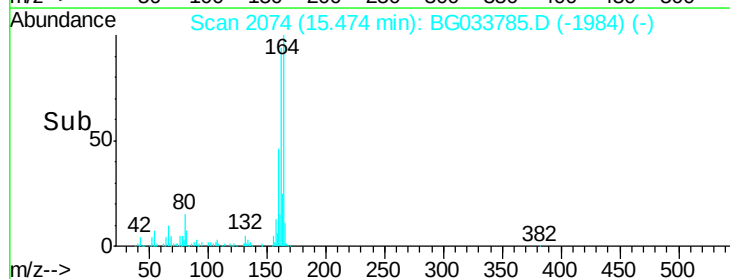
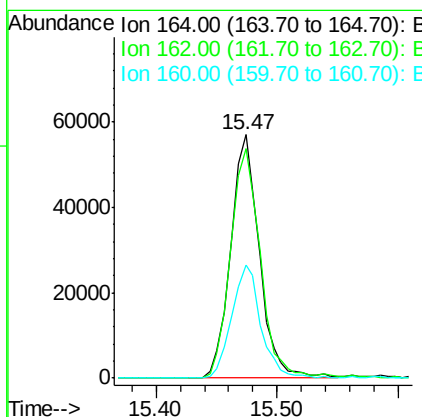
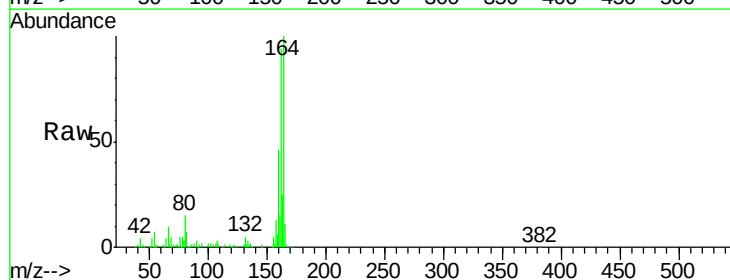
Instrument :  
 BNA\_G  
 ClientSampleId :  
 S1

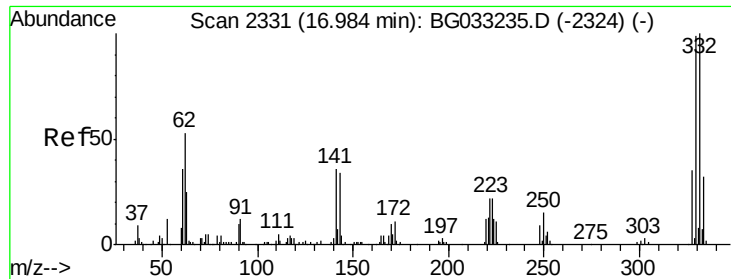
| Tot Ion   | 82    | Resp  | 258360 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.2  | 29.7  | 44.5   |
| 54        | 58.5  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.47 min Scan# 2074  
 Delta R.T. 0.00 min  
 Lab File: BG033785.D  
 Acq: 12 Apr 2018 23:04

| Tgt Ion   | 164   | Resp  | 94462 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 94.1  | 78.8  | 118.2 |
| 160       | 46.3  | 35.4  | 53.0  |

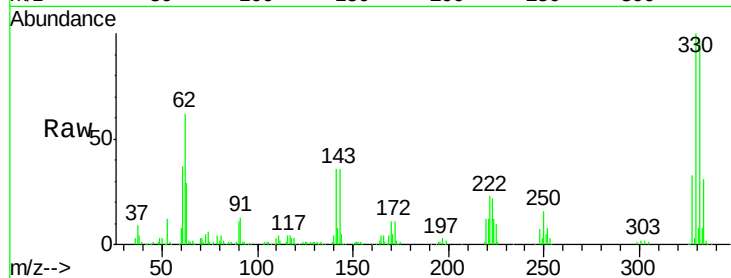




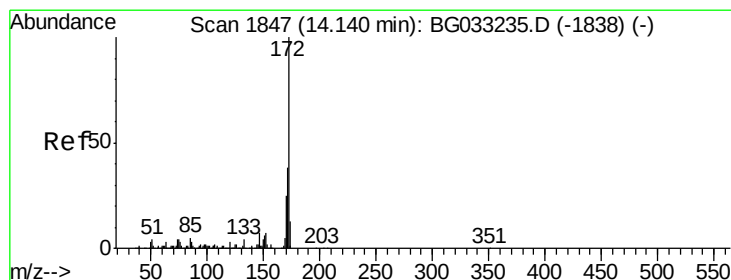
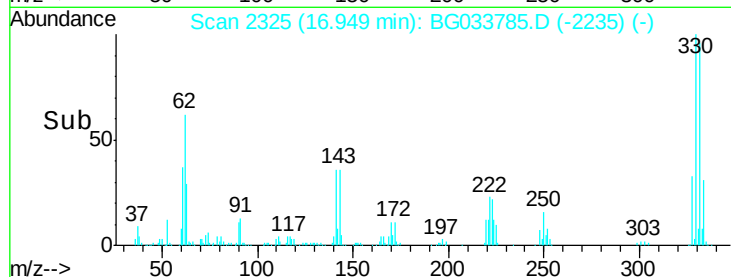
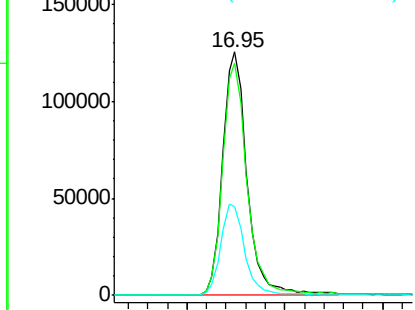
#41  
 2,4,6-Tribromophenol  
 Concen: 154.502 ng  
 RT: 16.95 min Scan# 2325  
 Delta R.T. 0.00 min  
 Lab File: BG033785.D  
 Acq: 12 Apr 2018 23:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 77.0  | 115.6 |
| 141     | 37.0  | 25.2  | 37.8  |

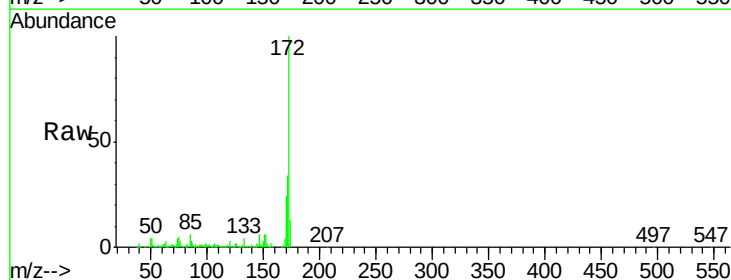


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

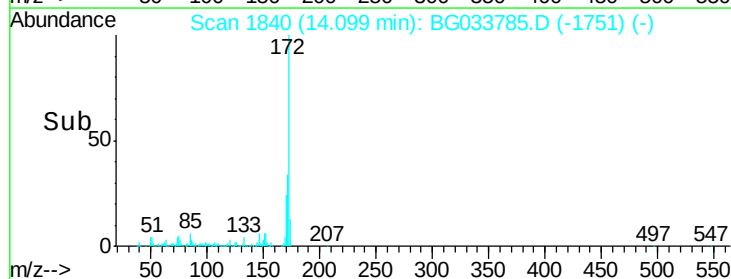
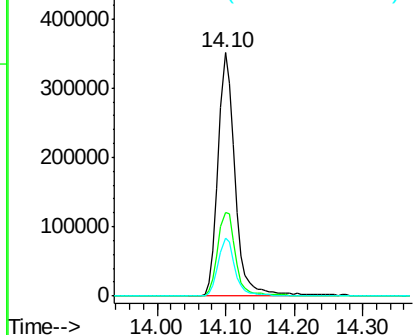


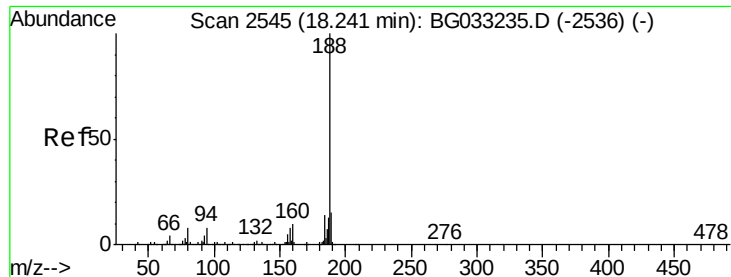
#44  
 2-Fluorobiphenyl  
 Concen: 92.477 ng  
 RT: 14.10 min Scan# 1840  
 Delta R.T. -0.00 min  
 Lab File: BG033785.D  
 Acq: 12 Apr 2018 23:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.4  | 30.0  | 45.0  |
| 170     | 23.7  | 19.5  | 29.3  |



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

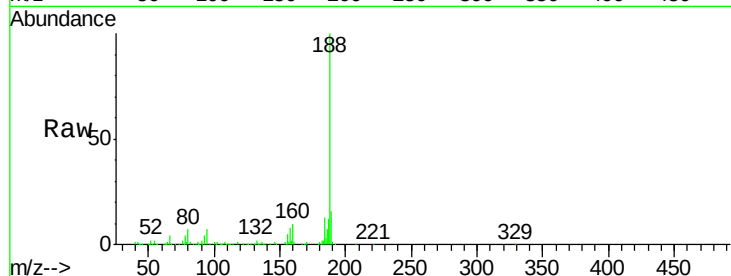




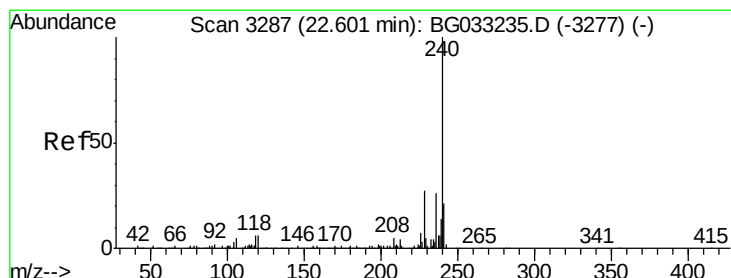
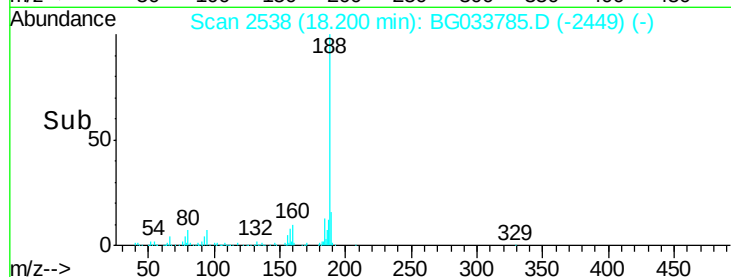
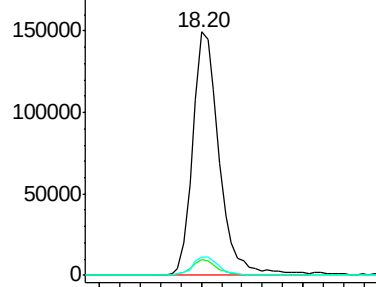
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.20 min Scan# 2538  
Delta R.T. -0.00 min  
Lab File: BG033785.D  
Acq: 12 Apr 2018 23:04

Instrument :  
BNA\_G  
ClientSampleId :  
S1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.7   | 6.9   | 10.3# |
| 80      | 7.4   | 7.7   | 11.5# |

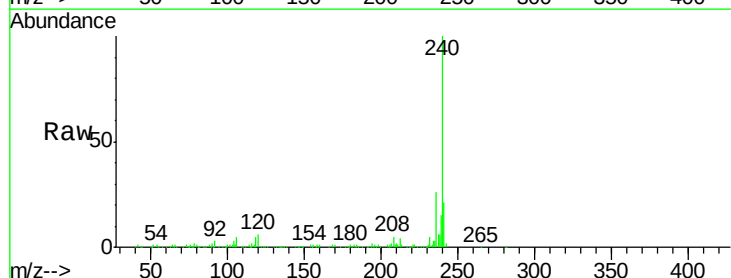


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

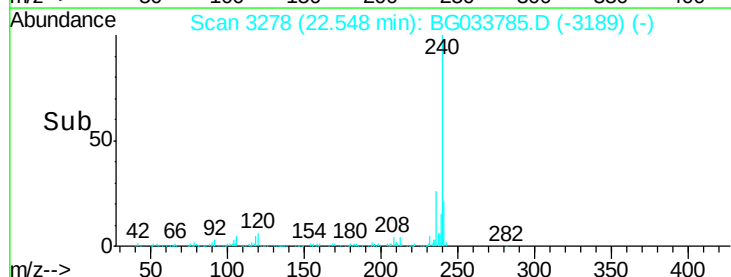
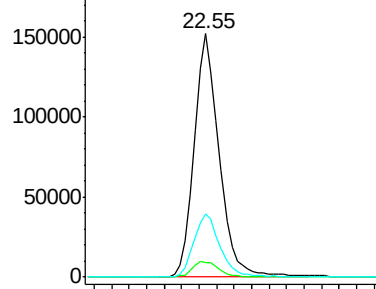


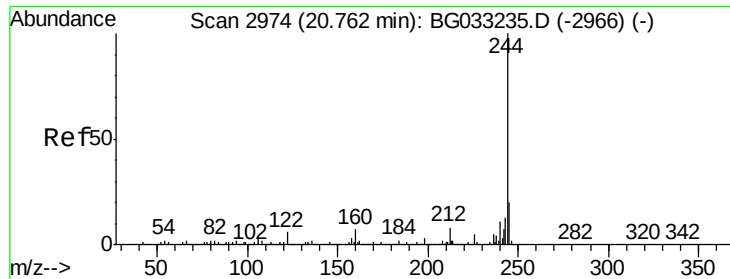
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.55 min Scan# 3278  
Delta R.T. -0.00 min  
Lab File: BG033785.D  
Acq: 12 Apr 2018 23:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.0   | 6.8   | 10.2# |
| 236     | 25.8  | 20.9  | 31.3  |



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: 104.497 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.00 min

Lab File: BG033785.D

Acq: 12 Apr 2018 23:04

Instrument :

BNA\_G

ClientSampled :

S1

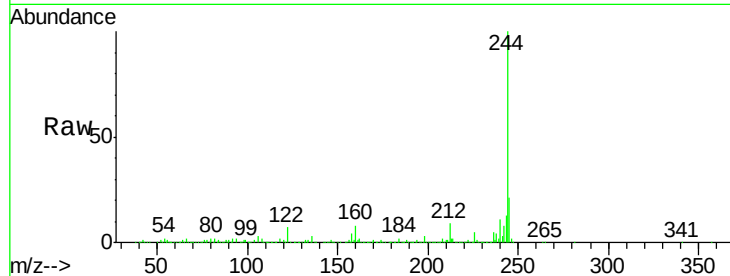
Tot Ion:244 Resp: 1458234

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

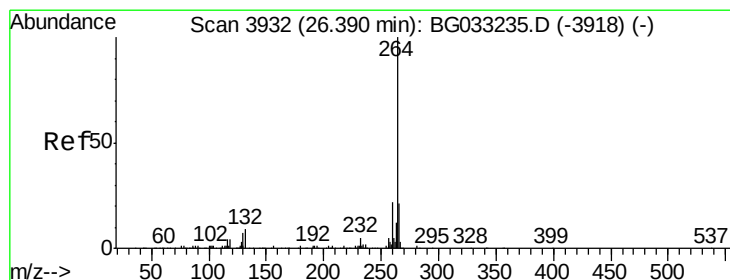
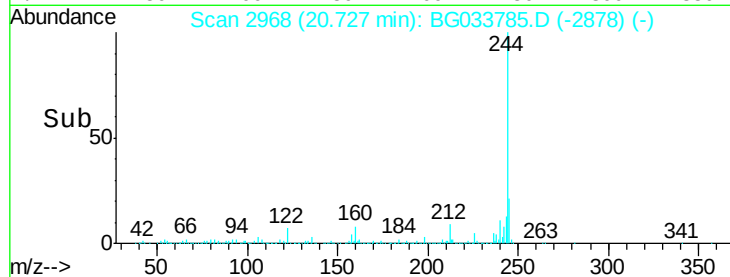
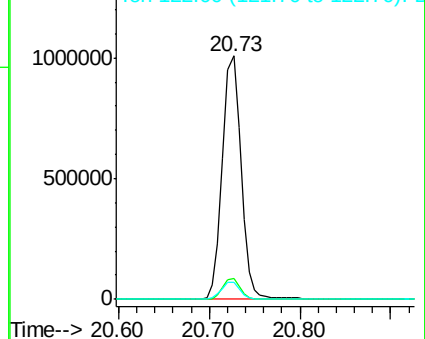
122 7.0 7.0 10.4



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: 26.31 min Scan# 3918

Delta R.T. 0.00 min

Lab File: BG033785.D

Acq: 12 Apr 2018 23:04

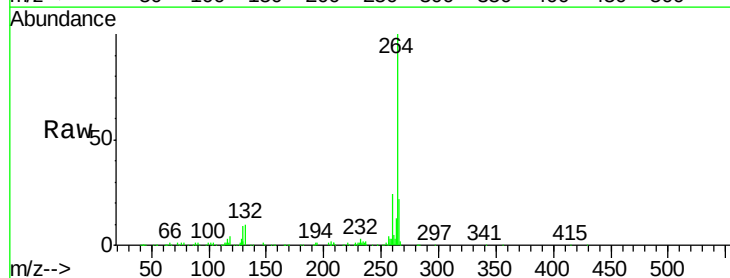
Tgt Ion:264 Resp: 313952

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 21.5 17.7 26.5



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

