

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012519\  
 Data File : BG039287.D  
 Acq On : 25 Jan 2019 20:40  
 Operator : JU/SJ  
 Sample : K1016-10  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-RO-4-012319

Quant Time: Jan 28 03:41:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 18 04:20:14 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 19462    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.82 | 136  | 59873    | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.65 | 164  | 37586    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.40 | 188  | 103630   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.66 | 240  | 120803   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.92 | 264  | 126310   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 121876   | 118.79 | ng    | 0.00     |
| 7) Phenol-d6                | 7.17  | 99   | 170239   | 115.30 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.18  | 82   | 125935   | 115.10 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.14 | 330  | 86723    | 137.65 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.27 | 172  | 245685   | 89.46  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.00 | 244  | 559866   | 85.73  | ng    | 0.00     |

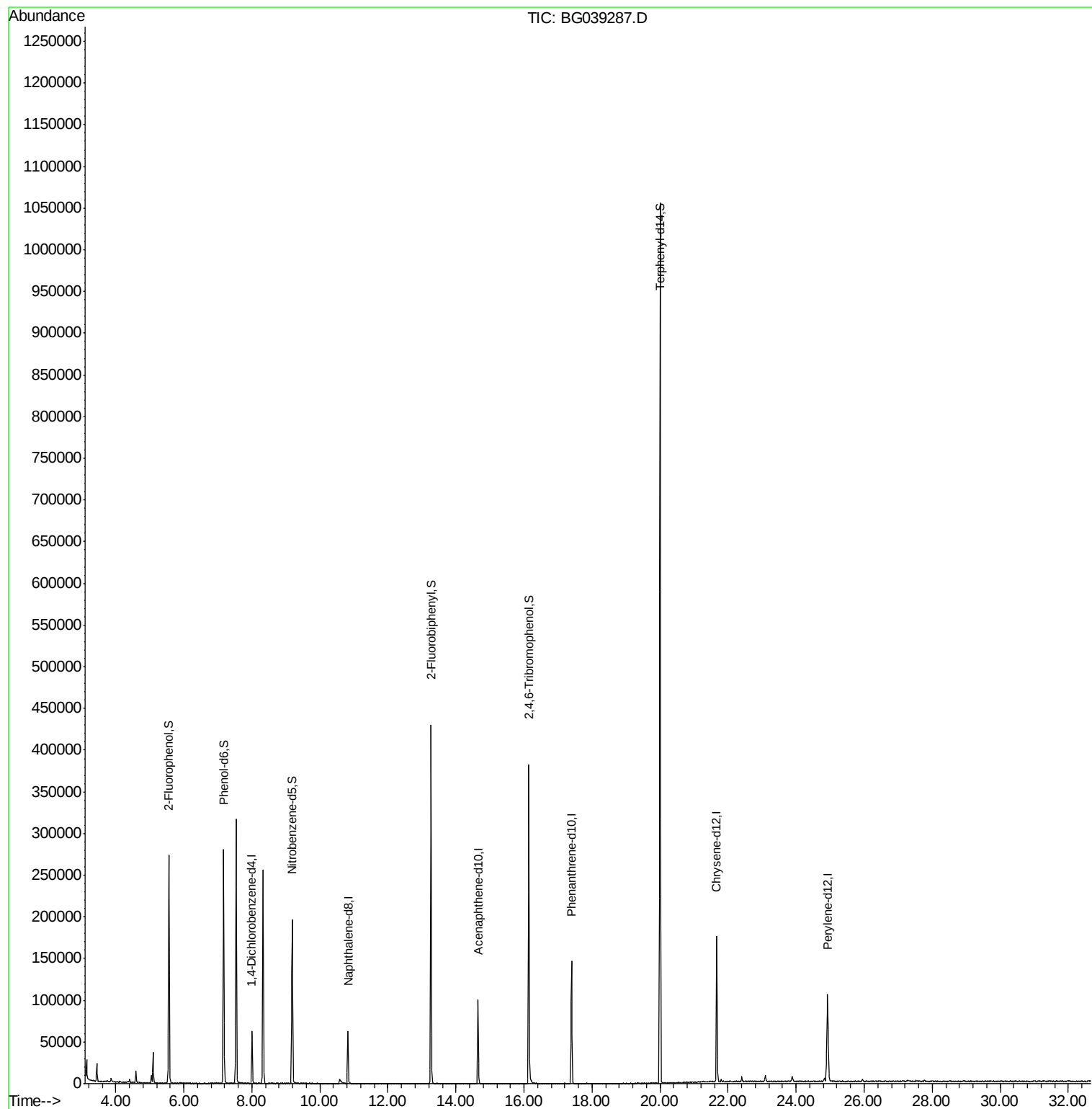
Target Compounds Qvalue

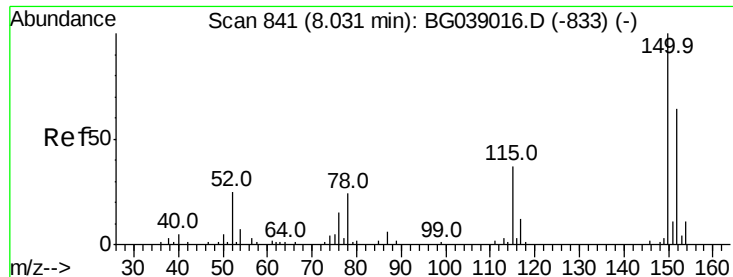
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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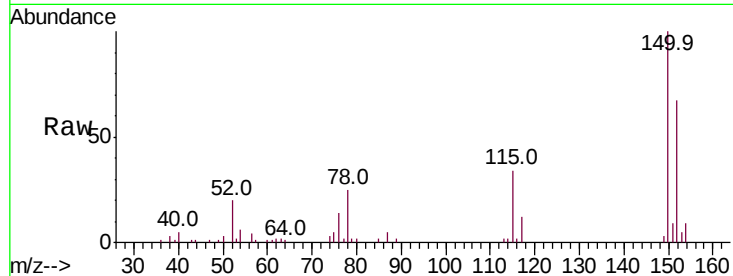


#1

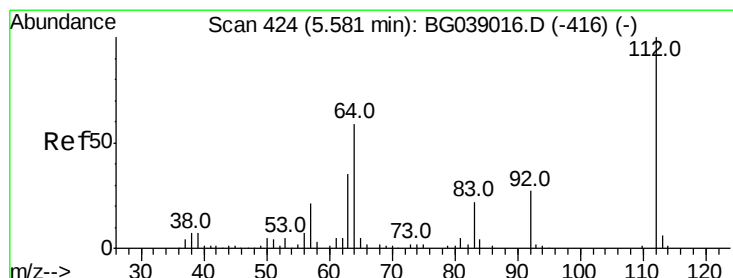
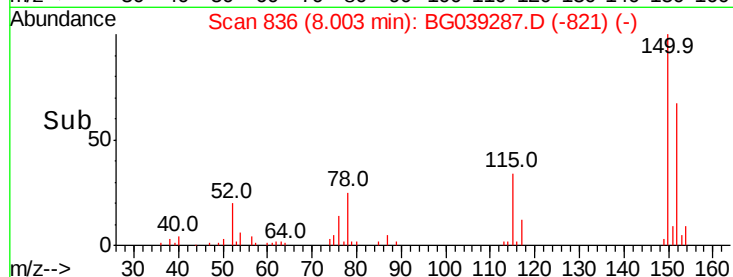
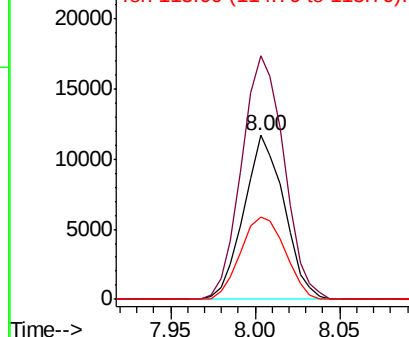
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BG039287.D  
Acq: 25 Jan 2019 20:40

Instrument :  
BNA\_G  
ClientSampleId :  
TR-05-RO-4-012319

Tot Ion:152 Resp: 19462  
Ion Ratio Lower Upper  
152 100  
150 148.6 124.7 187.1  
115 50.3 46.5 69.7



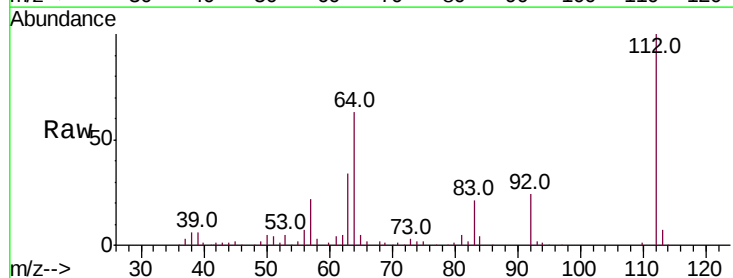
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



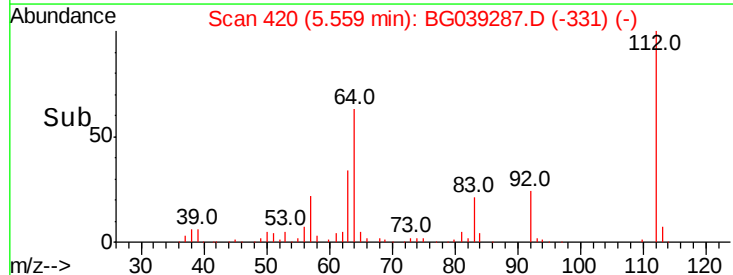
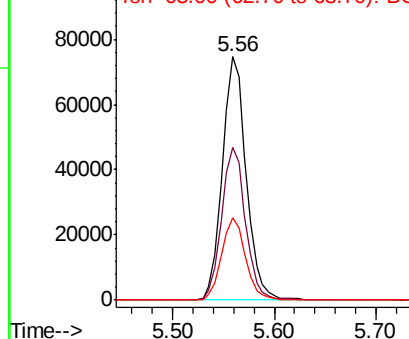
#5

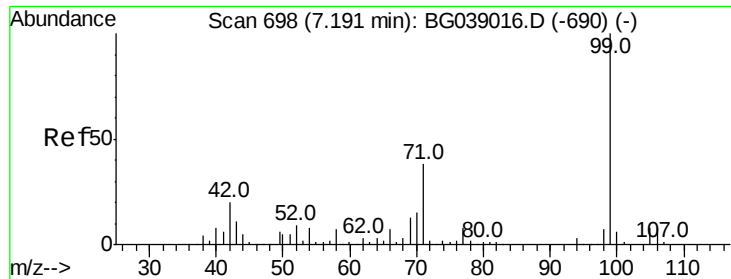
2-Fluorophenol  
Concen: 118.794 ng  
RT: 5.56 min Scan# 420  
Delta R.T. -0.01 min  
Lab File: BG039287.D  
Acq: 25 Jan 2019 20:40

Tgt Ion:112 Resp: 121876  
Ion Ratio Lower Upper  
112 100  
64 62.9 47.0 70.6  
63 33.7 28.0 42.0



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





#7

Phenol-d6

Concen: 115.301 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG039287.D

Acq: 25 Jan 2019 20:40

Instrument :

BNA\_G

ClientSampled :

TR-05-RO-4-012319

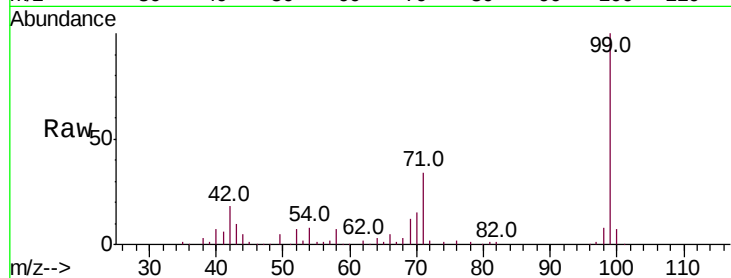
Tot Ion: 99 Resp: 170239

Ion Ratio Lower Upper

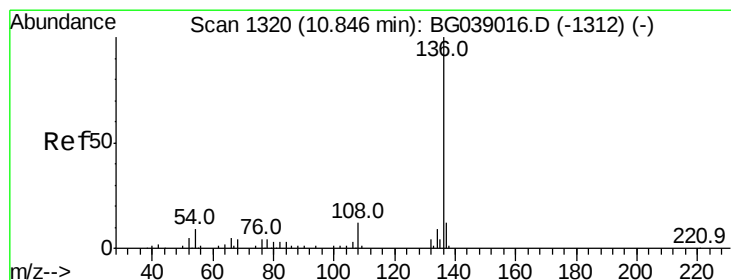
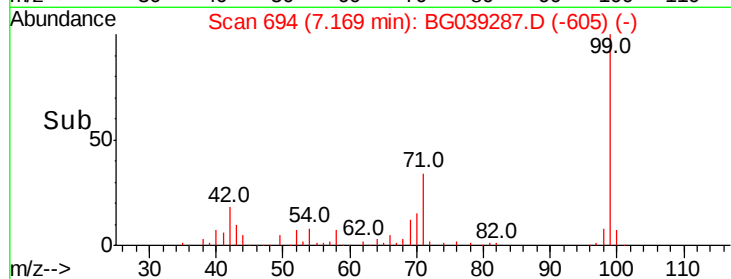
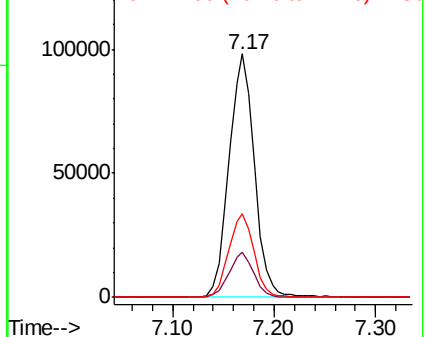
99 100

42 18.5 15.8 23.6

71 34.4 30.2 45.4



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG039287.D

Acq: 25 Jan 2019 20:40

Tgt Ion: 136 Resp: 59873

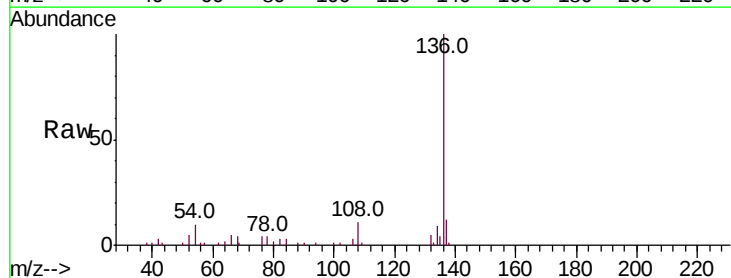
Ion Ratio Lower Upper

136 100

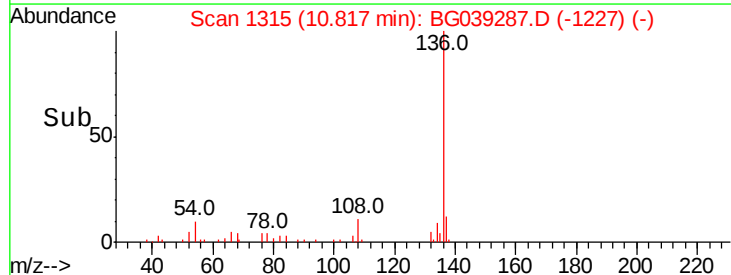
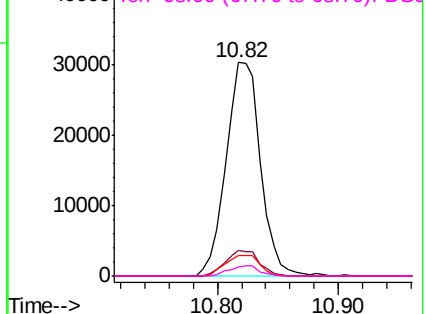
137 12.2 9.4 14.2

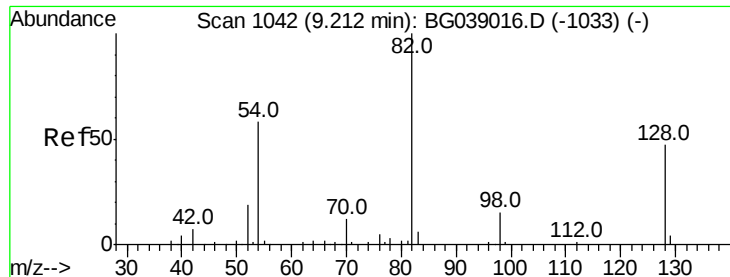
54 9.8 7.2 10.8

68 4.8 3.5 5.3



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

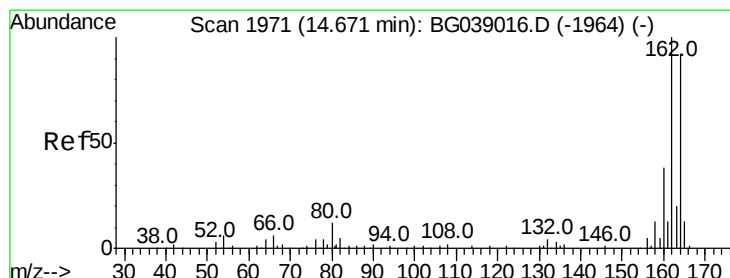
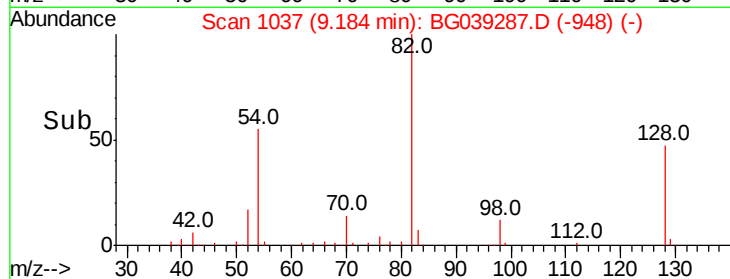
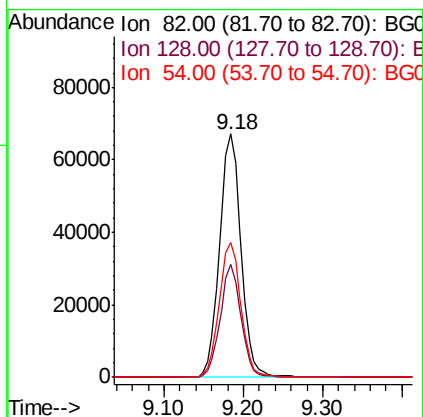
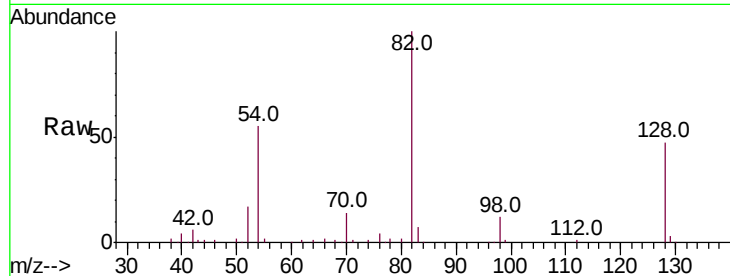




#23  
 Nitrobenzene-d5  
 Concen: 115.095 ng  
 RT: 9.18 min Scan# 1037  
 Delta R.T. -0.01 min  
 Lab File: BG039287.D  
 Acq: 25 Jan 2019 20:40

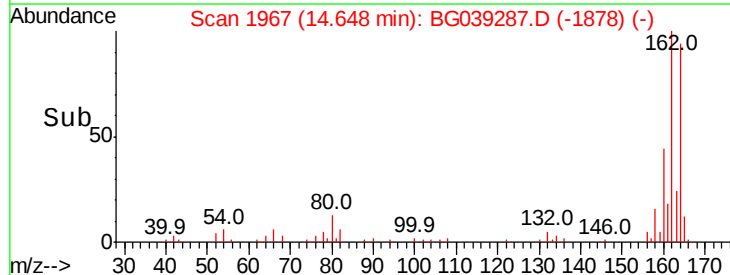
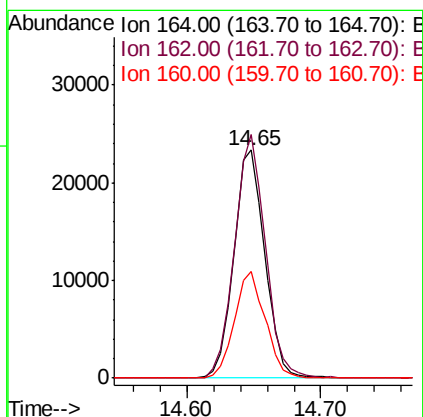
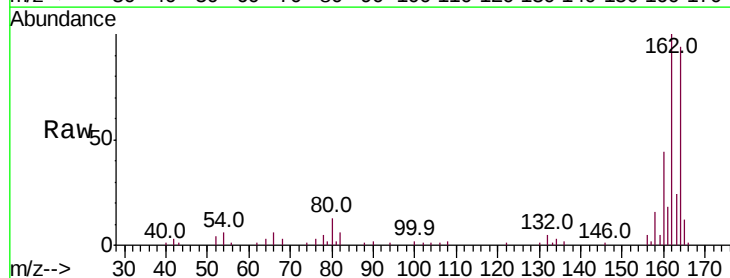
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-05-RO-4-012319

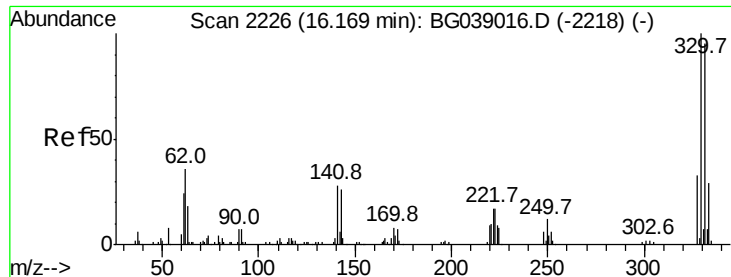
| Tot Ion   | 82   | Resp  | 125935 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 46.6 | 37.3  | 55.9   |
| 54        | 55.1 | 46.4  | 69.6   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.65 min Scan# 1967  
 Delta R.T. -0.01 min  
 Lab File: BG039287.D  
 Acq: 25 Jan 2019 20:40

| Tgt Ion   | 164   | Resp  | 37586 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 106.8 | 87.2  | 130.8 |
| 160       | 46.7  | 33.3  | 49.9  |





#42

2,4,6-Tribromophenol

Concen: 137.646 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG039287.D

Acq: 25 Jan 2019 20:40

Instrument :

BNA\_G

ClientSampleId :

TR-05-RO-4-012319

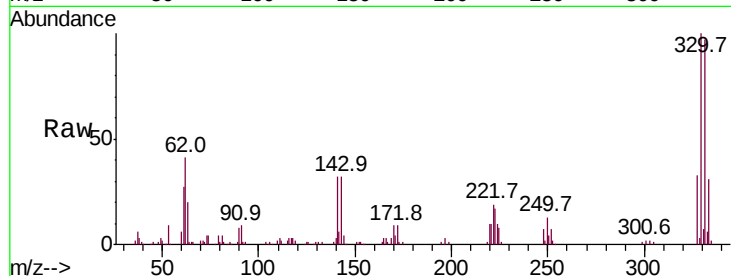
Tot Ion:330 Resp: 86723

Ion Ratio Lower Upper

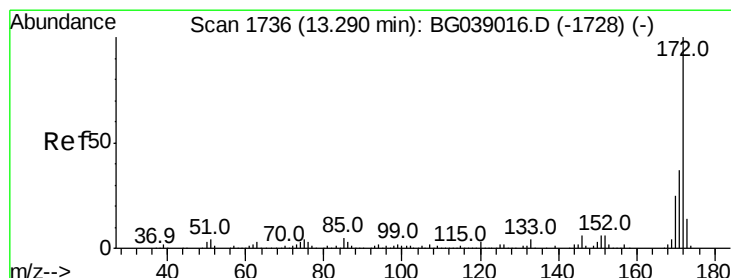
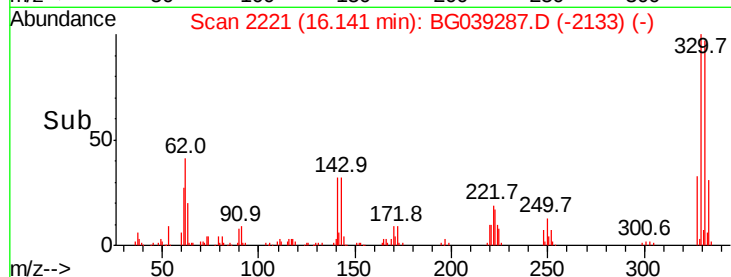
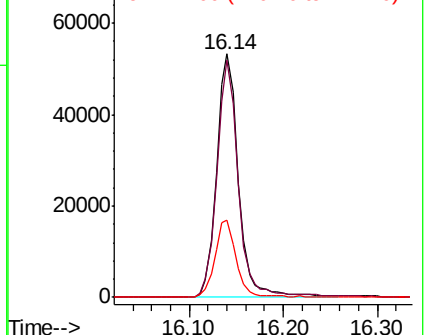
330 100

332 96.1 75.7 113.5

141 30.9 24.9 37.3



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: 89.458 ng

RT: 13.27 min Scan# 1732

Delta R.T. -0.01 min

Lab File: BG039287.D

Acq: 25 Jan 2019 20:40

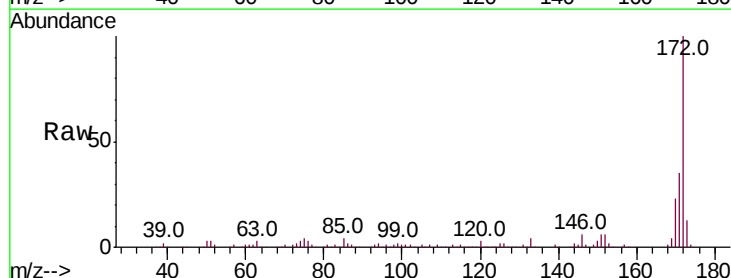
Tgt Ion:172 Resp: 245685

Ion Ratio Lower Upper

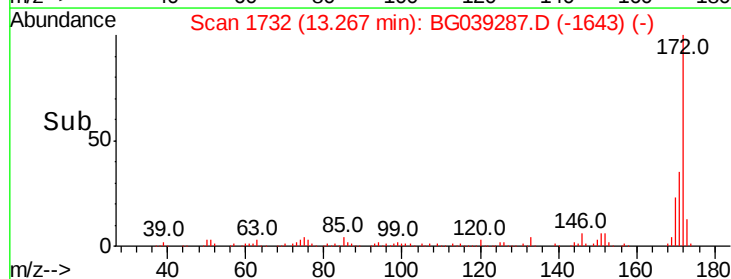
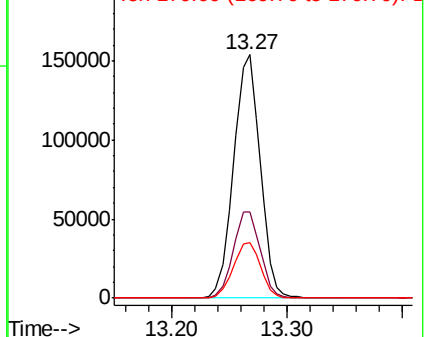
172 100

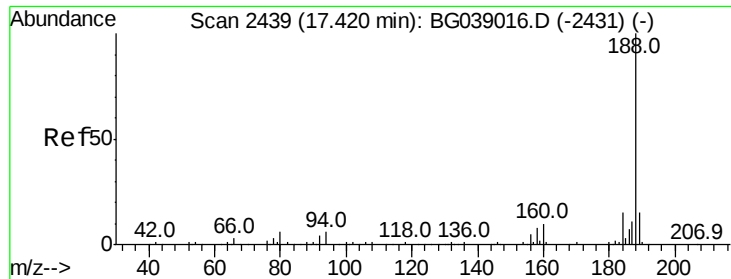
171 35.2 29.4 44.0

170 22.8 20.1 30.1



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: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG039287.D

Acq: 25 Jan 2019 20:40

Instrument :

BNA\_G

ClientSampleId :

TR-05-RO-4-012319

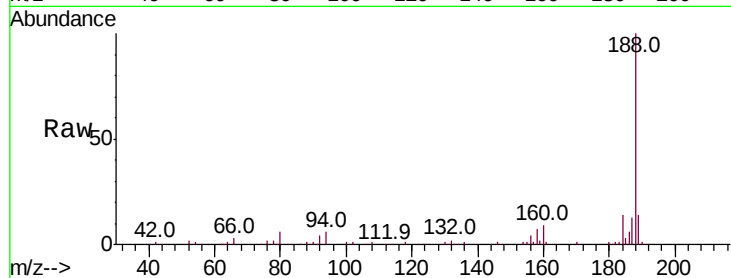
Tot Ion:188 Resp: 103630

Ion Ratio Lower Upper

188 100

94 5.9 5.0 7.4

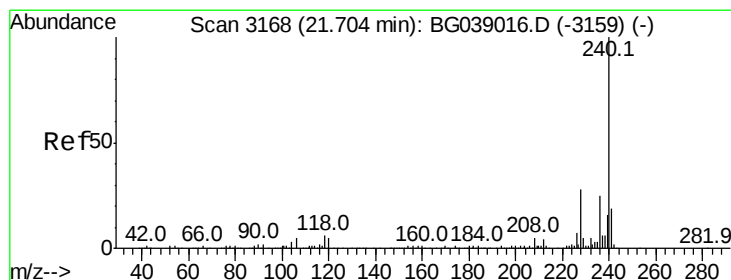
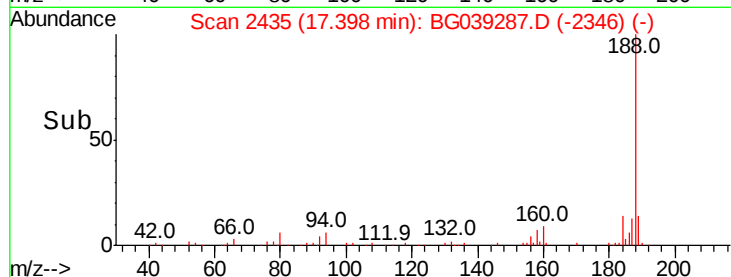
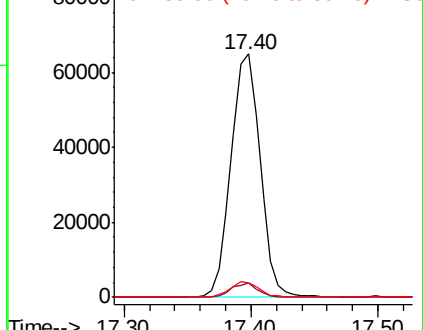
80 5.9 4.7 7.1



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BG039287.D

Acq: 25 Jan 2019 20:40

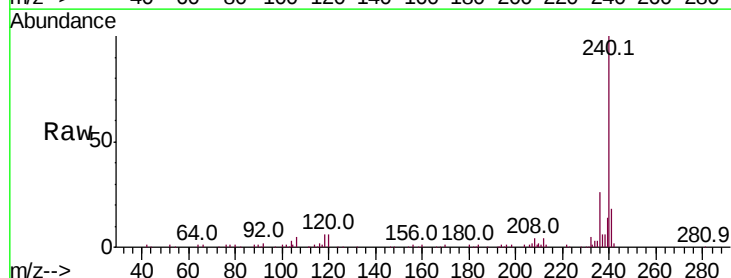
Tgt Ion:240 Resp: 120803

Ion Ratio Lower Upper

240 100

120 6.1 4.3 6.5

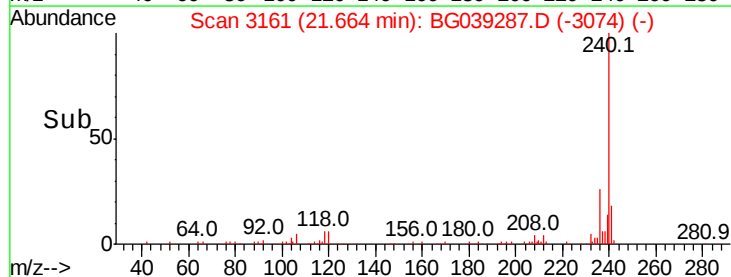
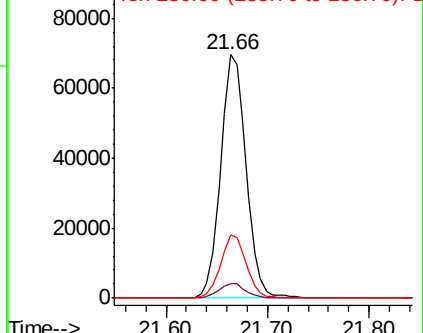
236 26.1 20.1 30.1

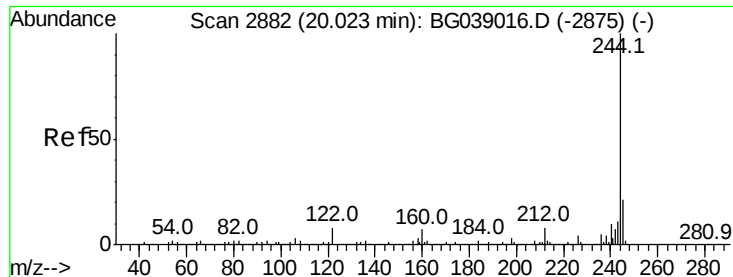


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 85.734 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG039287.D

Acq: 25 Jan 2019 20:40

Instrument :

BNA\_G

ClientSampleId :

TR-05-RO-4-012319

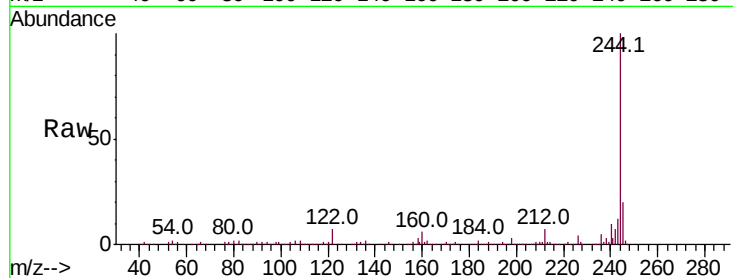
Tot Ion:244 Resp: 559866

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

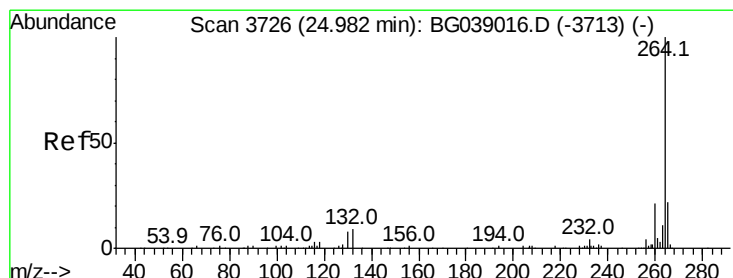
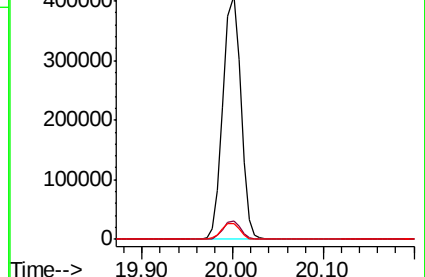
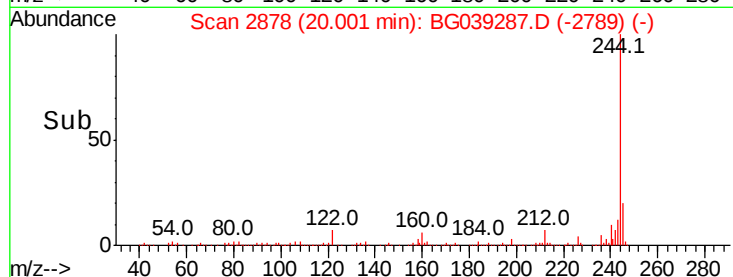
122 6.6 6.1 9.1



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: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG039287.D

Acq: 25 Jan 2019 20:40

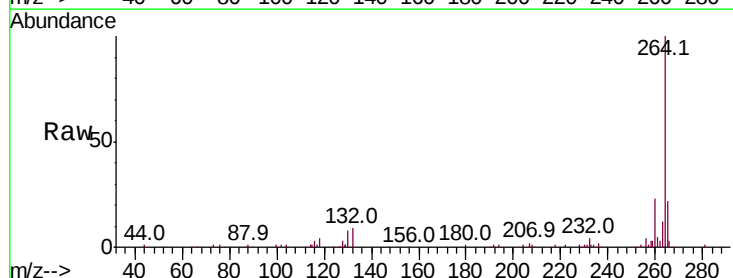
Tgt Ion:264 Resp: 126310

Ion Ratio Lower Upper

264 100

260 23.1 17.0 25.6

265 21.6 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

