

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062819\  
 Data File : BG041534.D  
 Acq On : 29 Jun 2019 5:56  
 Operator : HP/JU  
 Sample : K3555-12  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-9

Quant Time: Jun 29 06:34:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG062619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 27 13:25:55 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 24527    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.85 | 136  | 88850    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.68 | 164  | 68234    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.43 | 188  | 191121   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.70 | 240  | 206190   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 24.98 | 264  | 214925   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.56  | 112  | 176157   | 128.05 | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 222206   | 114.74 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 199562   | 93.68  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 157203   | 134.93 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.30 | 172  | 494433   | 92.99  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.02 | 244  | 1107970  | 114.19 | ng    | 0.00     |

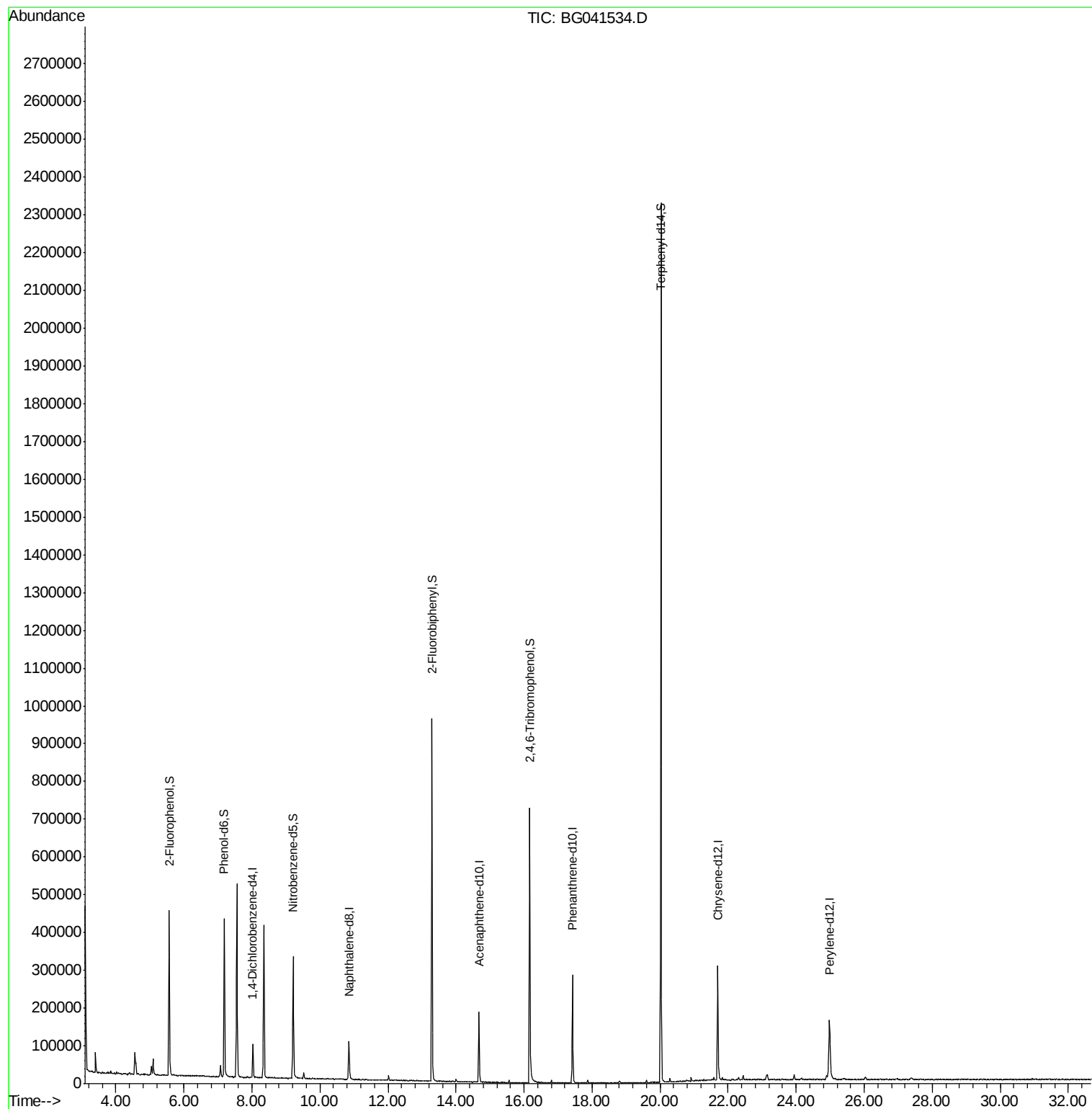
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

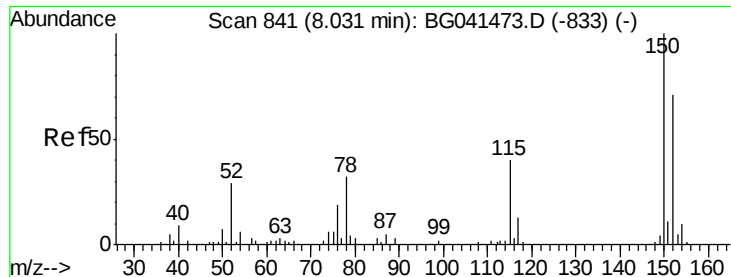
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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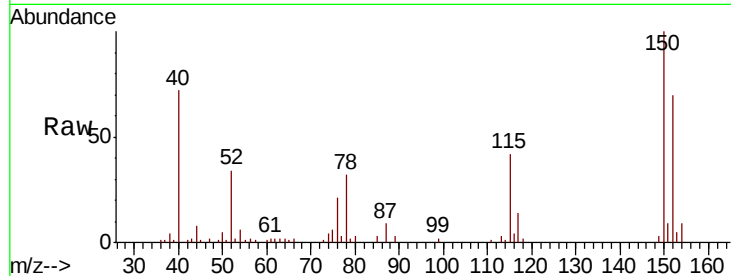


#1

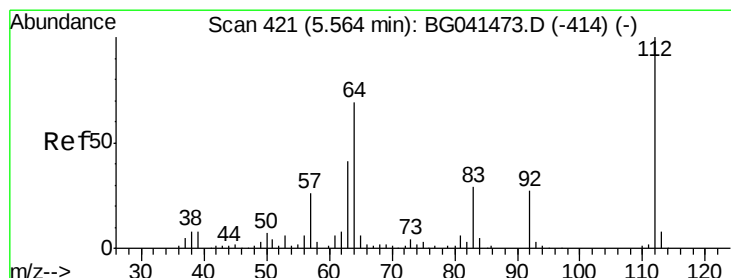
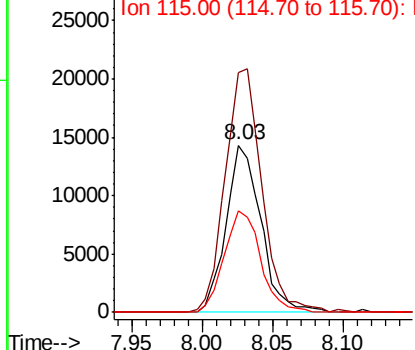
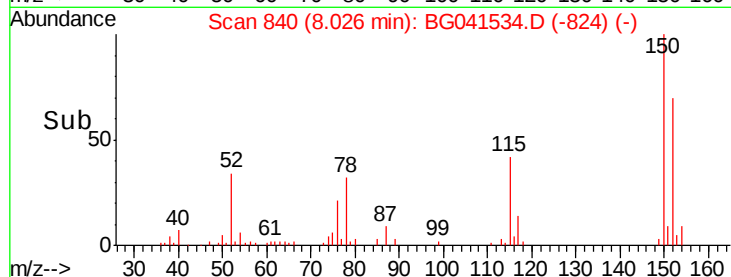
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 840  
Delta R.T. -0.01 min  
Lab File: BG041534.D  
Acq: 29 Jun 2019 5:56

Instrument :  
BNA\_G  
ClientSampled :  
SAMPLE-9

Tgt Ion:152 Resp: 24527  
Ion Ratio Lower Upper  
152 100  
150 143.8 112.4 168.6  
115 60.8 44.6 66.8



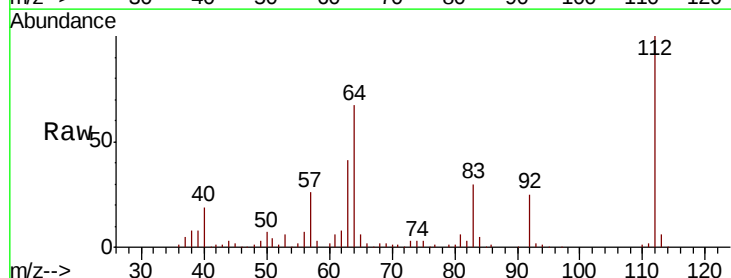
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



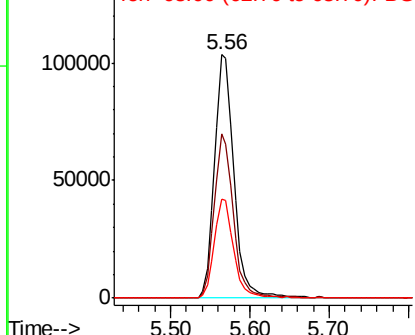
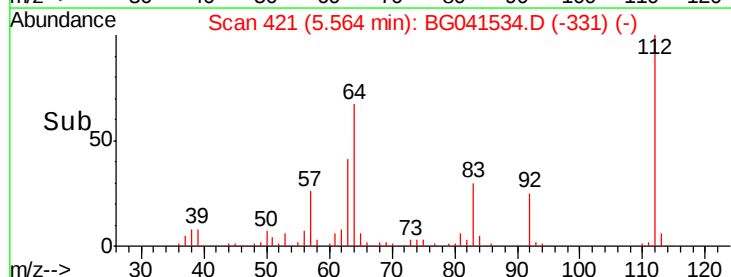
#5

2-Fluorophenol  
Concen: 128.047 ng  
RT: 5.56 min Scan# 421  
Delta R.T. 0.00 min  
Lab File: BG041534.D  
Acq: 29 Jun 2019 5:56

Tgt Ion:112 Resp: 176157  
Ion Ratio Lower Upper  
112 100  
64 67.5 55.1 82.7  
63 40.6 32.4 48.6



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: 114.737 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG041534.D

Acq: 29 Jun 2019 5:56

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-9

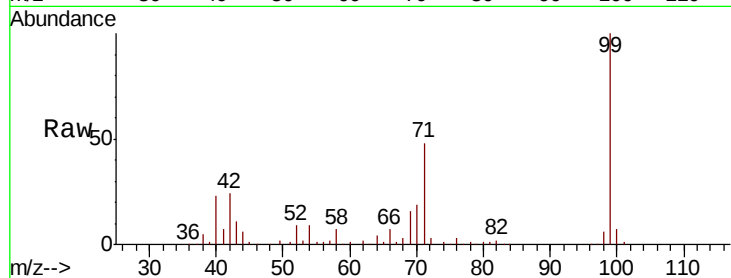
Tgt Ion: 99 Resp: 222206

Ion Ratio Lower Upper

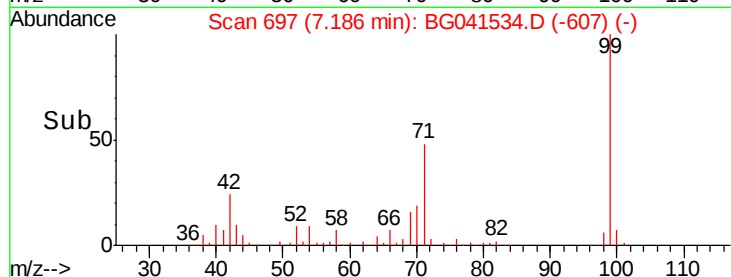
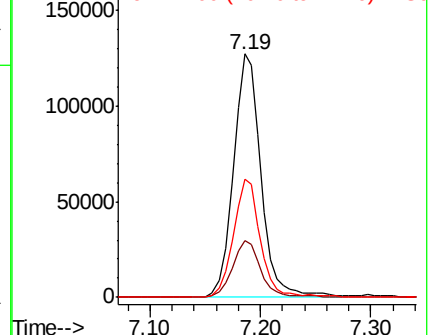
99 100

42 23.5 19.0 28.6

71 48.4 37.4 56.2



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: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG041534.D

Acq: 29 Jun 2019 5:56

Tgt Ion: 136 Resp: 88850

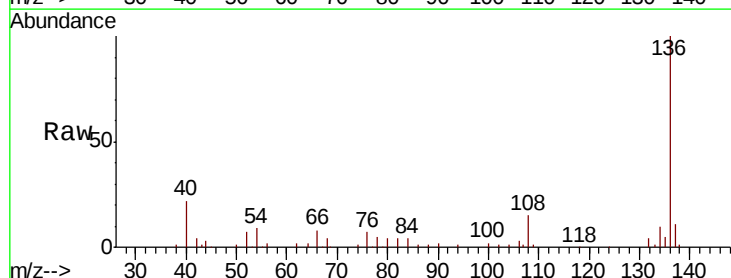
Ion Ratio Lower Upper

136 100

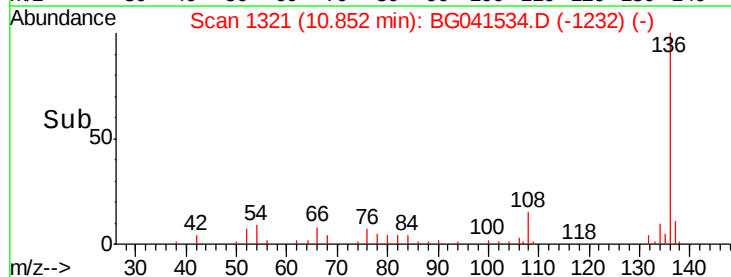
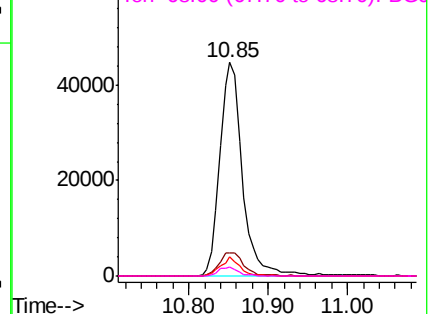
137 11.0 9.3 13.9

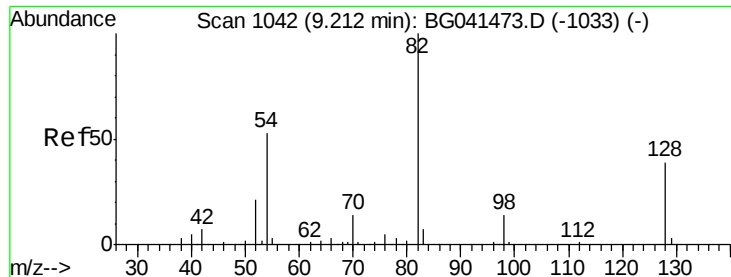
54 8.9 7.1 10.7

68 4.3 3.3 4.9



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

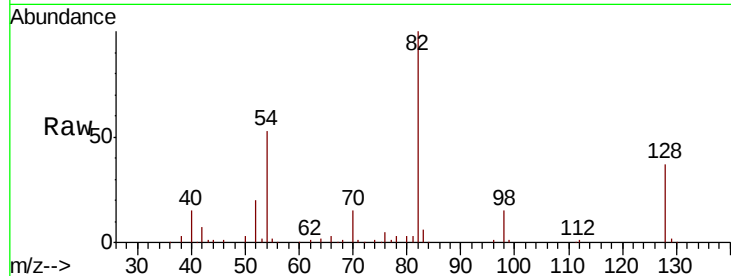




#23  
 Nitrobenzene-d5  
 Concen: 93.676 ng  
 RT: 9.21 min Scan# 1042  
 Delta R.T. 0.00 min  
 Lab File: BG041534.D  
 Acq: 29 Jun 2019 5:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-9

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.7  | 30.9  | 46.3  |
| 54      | 53.0  | 42.2  | 63.2  |

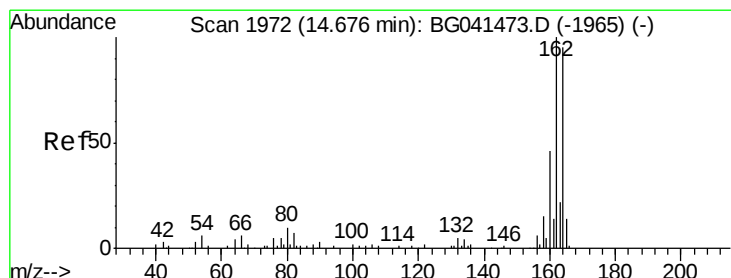
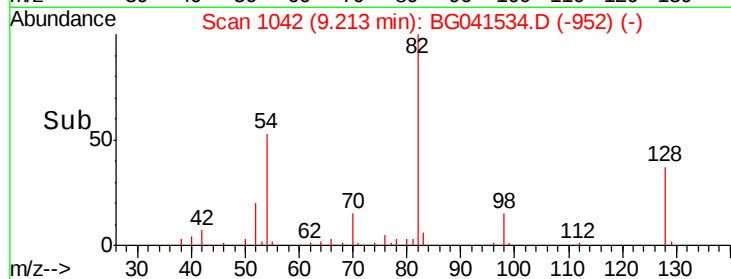
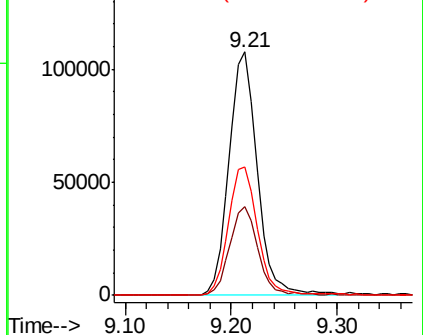


Abundance

Ion 82.00 (81.70 to 82.70): BGC

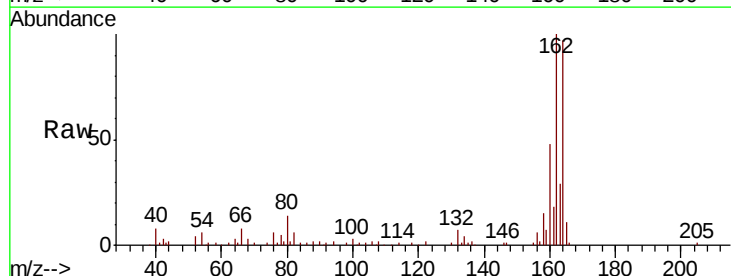
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.68 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: BG041534.D  
 Acq: 29 Jun 2019 5:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.6 | 84.4  | 126.6 |
| 160     | 50.2  | 38.8  | 58.2  |

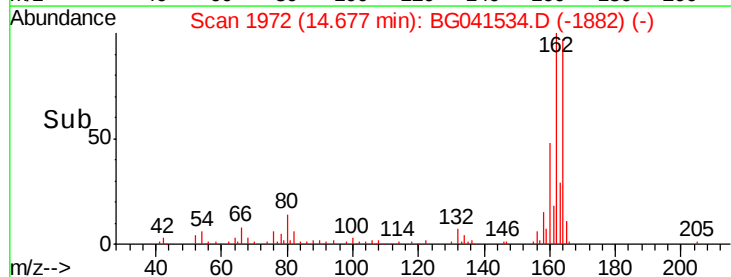
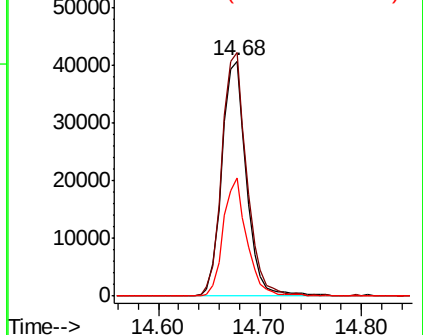


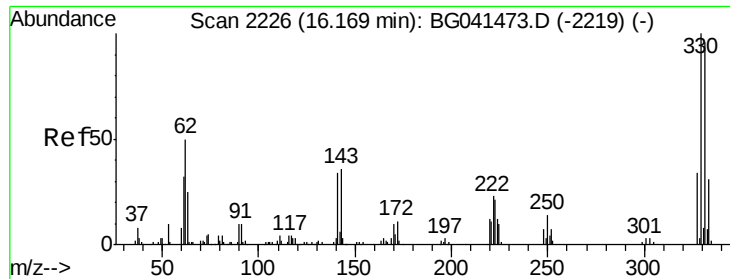
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

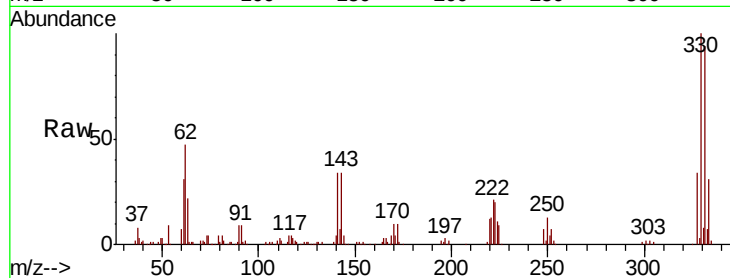




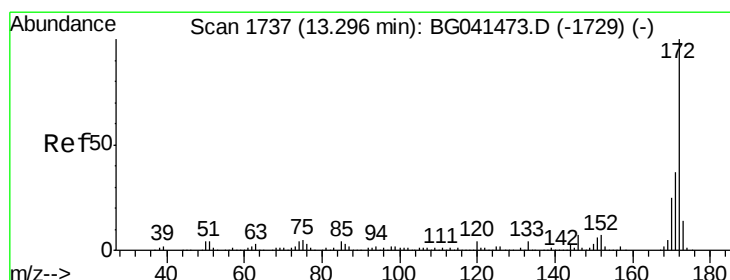
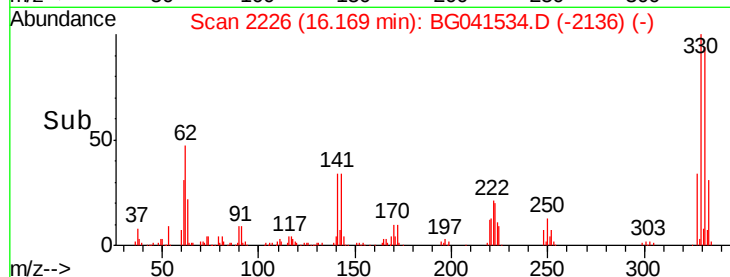
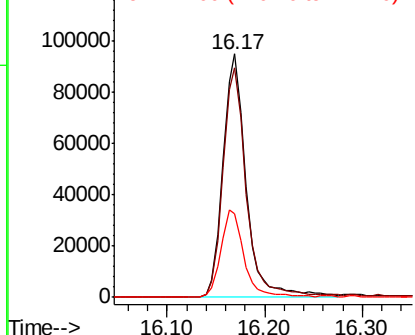
#42  
 2,4,6-Tribromophenol  
 Concen: 134.932 ng  
 RT: 16.17 min Scan# 2226  
 Delta R.T. 0.00 min  
 Lab File: BG041534.D  
 Acq: 29 Jun 2019 5:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-9

Tgt Ion:330 Resp: 157203  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 75.5 113.3  
 141 35.8 27.8 41.6

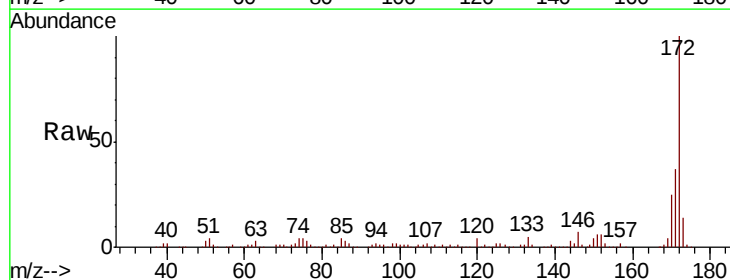


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

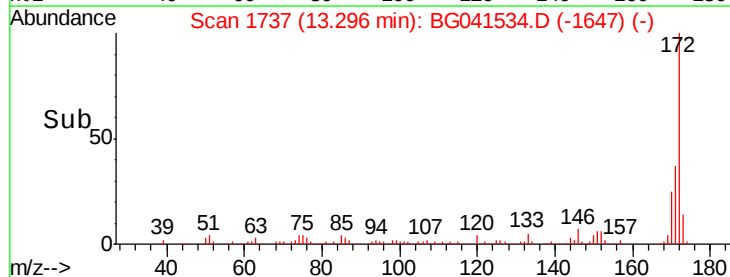
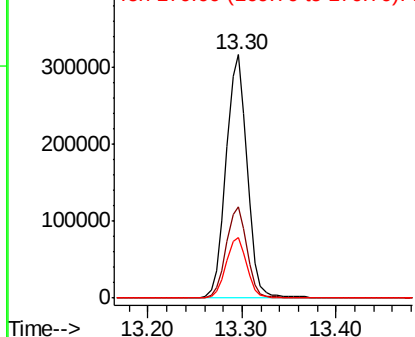


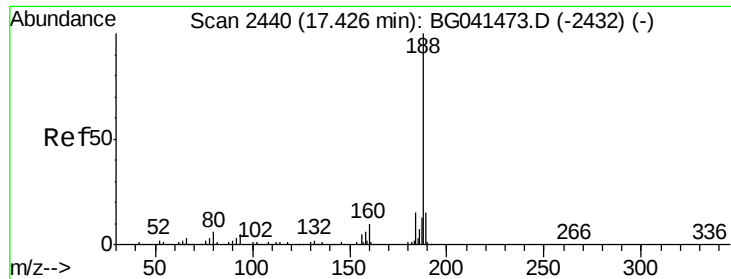
#45  
 2-Fluorobiphenyl  
 Concen: 92.987 ng  
 RT: 13.30 min Scan# 1737  
 Delta R.T. 0.00 min  
 Lab File: BG041534.D  
 Acq: 29 Jun 2019 5:56

Tgt Ion:172 Resp: 494433  
 Ion Ratio Lower Upper  
 172 100  
 171 37.4 29.6 44.4  
 170 25.0 20.0 30.0



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

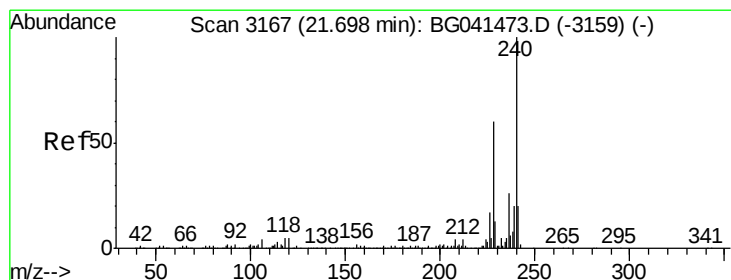
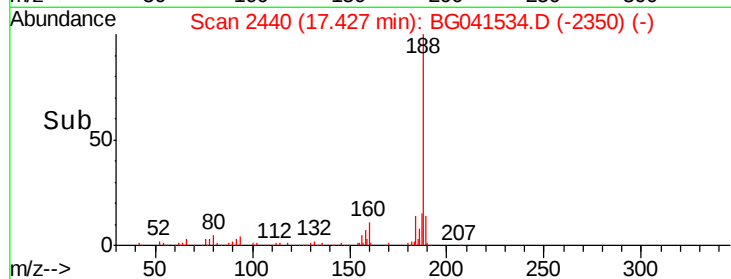
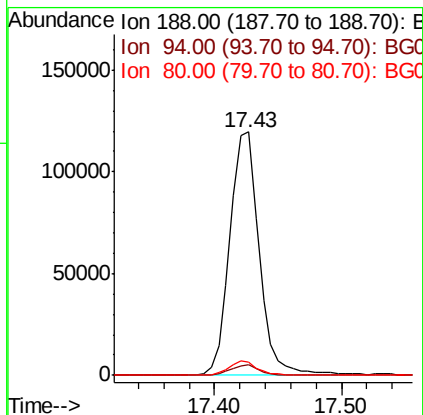
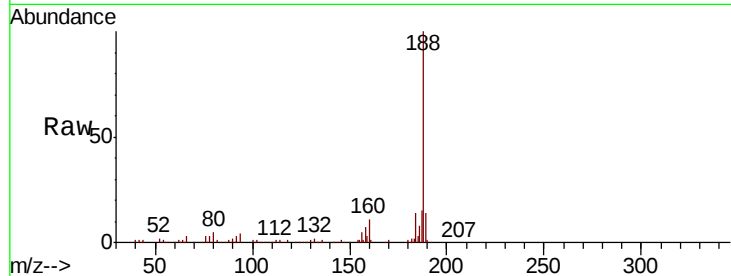




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.43 min Scan# 2440  
Delta R.T. 0.00 min  
Lab File: BG041534.D  
Acq: 29 Jun 2019 5:56

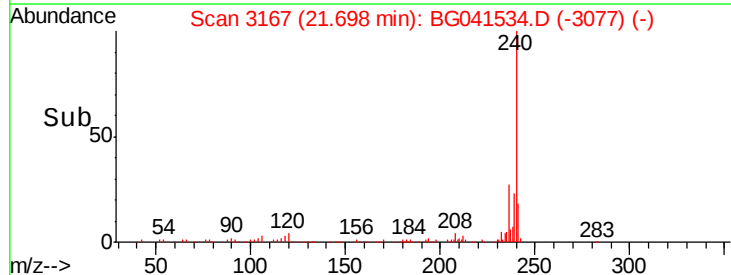
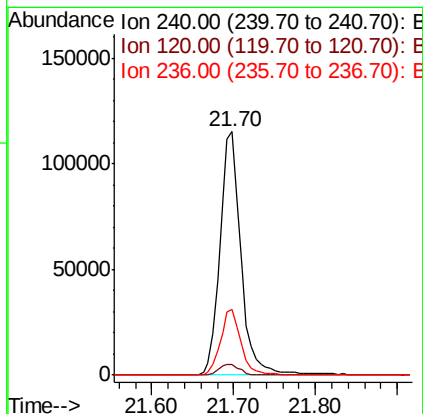
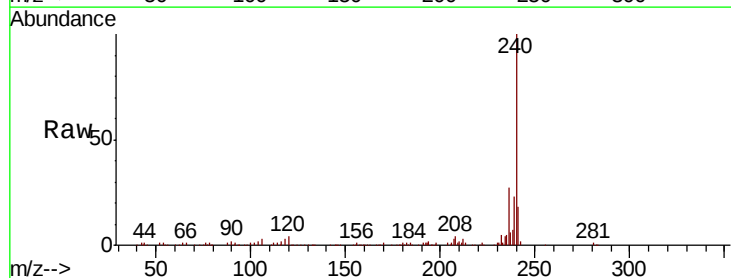
Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-9

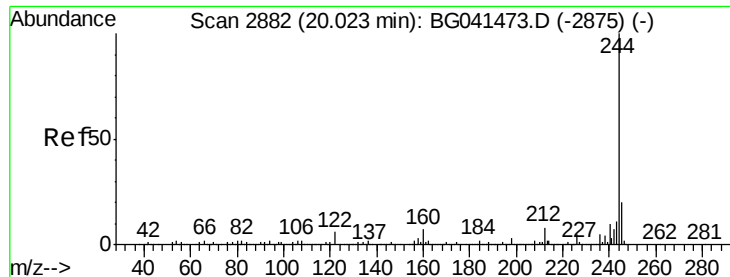
Tgt Ion:188 Resp: 191121  
Ion Ratio Lower Upper  
188 100  
94 4.5 3.8 5.8  
80 5.4 4.8 7.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.70 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: BG041534.D  
Acq: 29 Jun 2019 5:56

Tgt Ion:240 Resp: 206190  
Ion Ratio Lower Upper  
240 100  
120 4.2 3.7 5.5  
236 26.8 20.8 31.2





#79

Terphenyl-d14

Concen: 114.192 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG041534.D

Acq: 29 Jun 2019 5:56

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-9

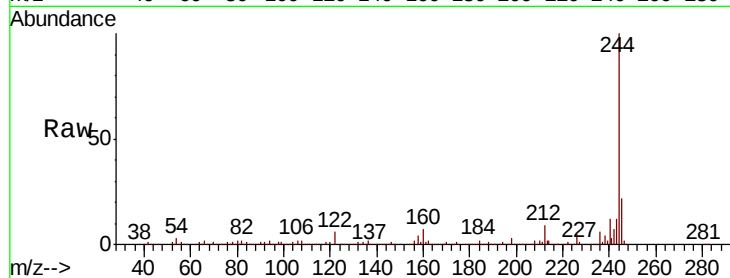
Tgt Ion:244 Resp: 1107970

Ion Ratio Lower Upper

244 100

212 8.5 6.2 9.4

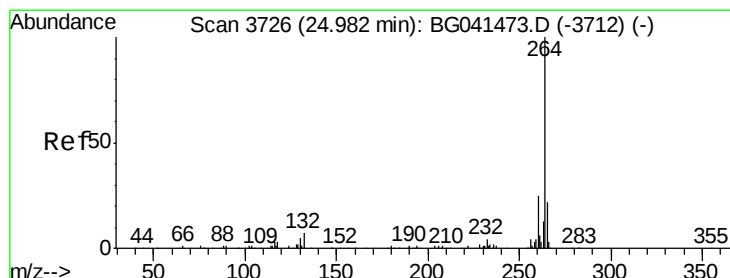
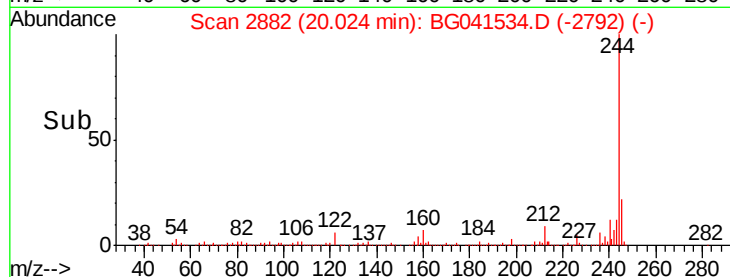
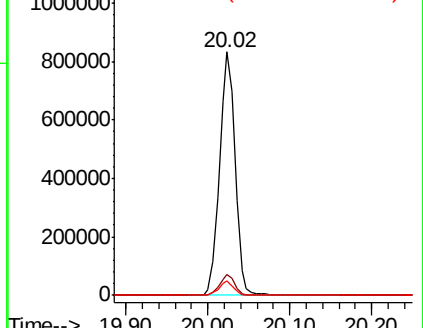
122 6.1 4.8 7.2



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: 24.98 min Scan# 3725

Delta R.T. -0.01 min

Lab File: BG041534.D

Acq: 29 Jun 2019 5:56

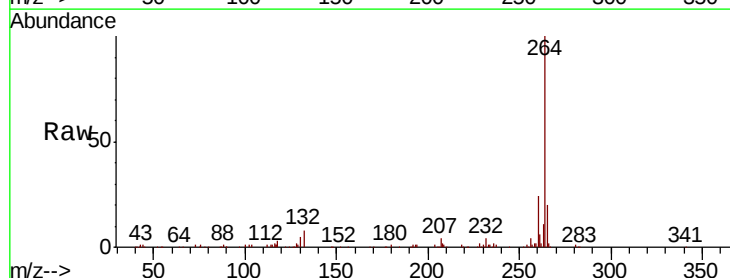
Tgt Ion:264 Resp: 214925

Ion Ratio Lower Upper

264 100

260 23.9 19.7 29.5

265 20.5 17.4 26.2



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

