

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\  
 Data File : BG044011.D  
 Acq On : 10 Jan 2020 21:17  
 Operator : JU  
 Sample : L1068-02 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SIDE-WALK

Quant Time: Jan 11 05:46:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 31 13:32:23 2019  
 Response via : Initial Calibration

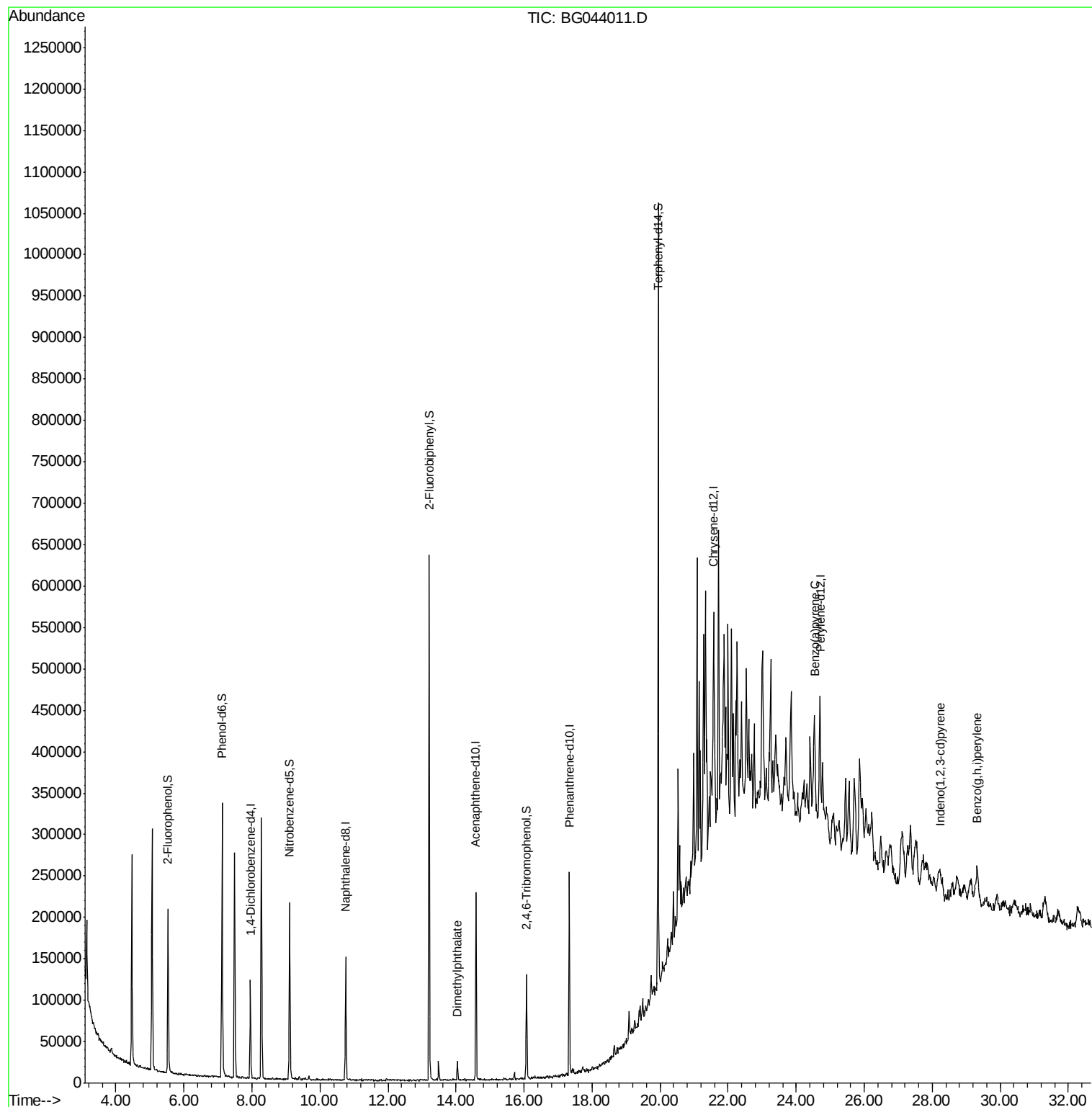
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 33794    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.76 | 136  | 140995   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.59 | 164  | 84565    | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.32 | 188  | 161311   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 21.57 | 240  | 131827   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12            | 24.70 | 264  | 150620   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 102566   | 55.73 | ng    | 0.00     |
| 7) Phenol-d6                | 7.12  | 99   | 225047   | 87.48 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.11  | 82   | 145821   | 55.33 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.07 | 330  | 25550    | 28.87 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.21 | 172  | 345902   | 74.11 | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.94 | 244  | 448867   | 81.09 | ng    | -0.02    |
| Target Compounds            |       |      |          |       |       |          |
| 50) Dimethylphthalate       | 14.04 | 163  | 18495    | 3.080 | ng    | # 91     |
| 86) Indeno(1,2,3-cd)pyrene  | 28.24 | 276  | 26233    | 2.485 | ng    | # 58     |
| 90) Benzo(a)pyrene          | 24.55 | 252  | 59820    | 7.118 | ng    | # 85     |
| 92) Benzo(g,h,i)perylene    | 29.33 | 276  | 75455    | 9.000 | ng    | 93       |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011020\  
Data File : BG044011.D  
Acq On : 10 Jan 2020 21:17  
Operator : JU  
Sample : L1068-02 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SIDE-WALK

Quant Time: Jan 11 05:46:53 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 31 13:32:23 2019  
Response via : Initial Calibration



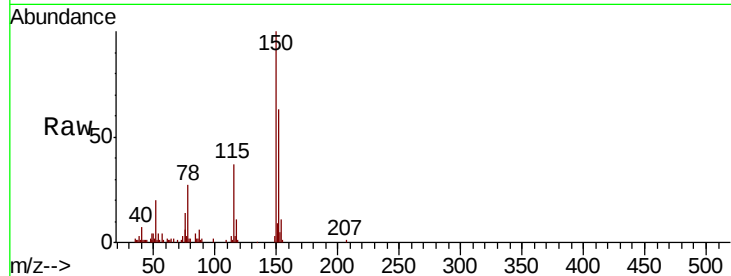


#1

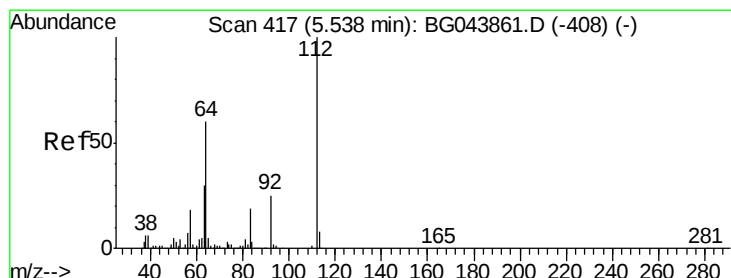
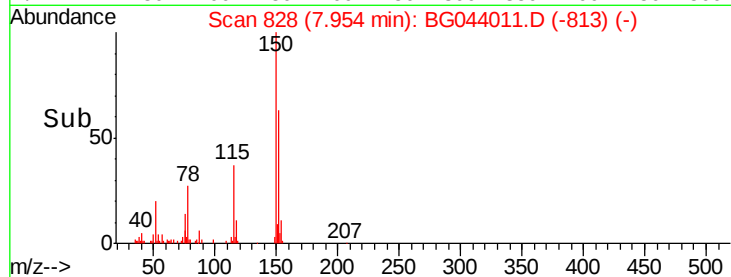
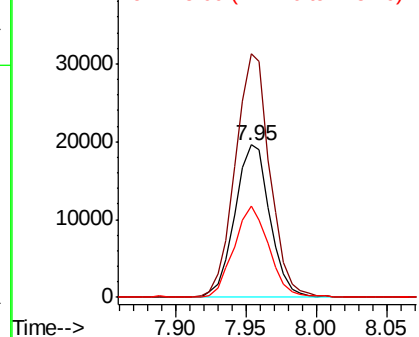
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BG044011.D  
Acq: 10 Jan 2020 21:17

Instrument :  
BNA\_G  
ClientSampleId :  
SIDE-WALK

Tot Ion:152 Resp: 33794  
Ion Ratio Lower Upper  
152 100  
150 159.8 127.0 190.4  
115 59.6 47.8 71.8



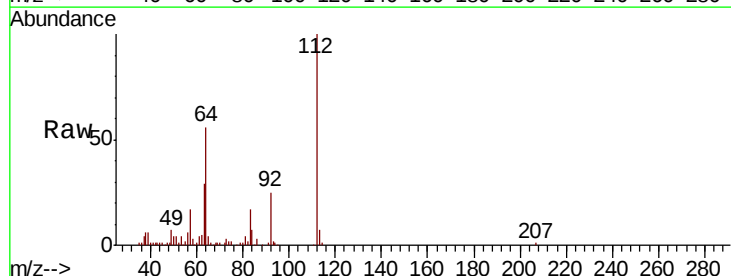
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



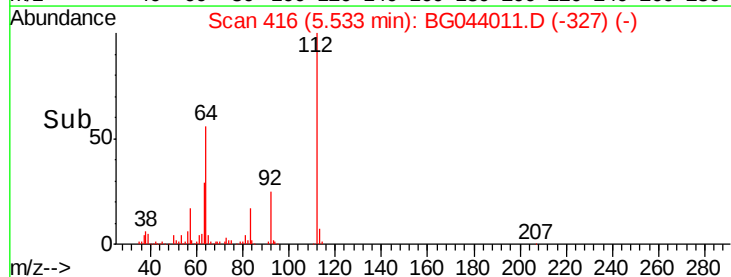
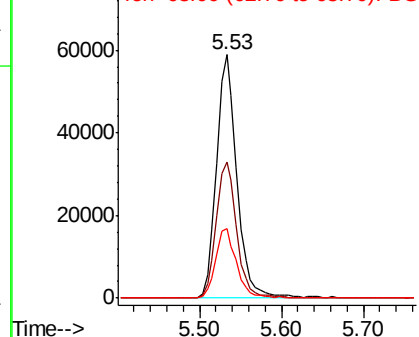
#5

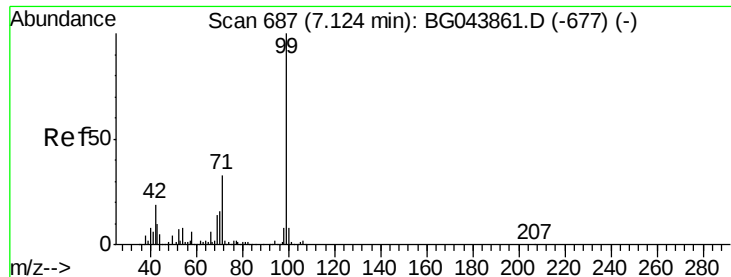
2-Fluorophenol  
Concen: 55.727 ng  
RT: 5.53 min Scan# 416  
Delta R.T. -0.01 min  
Lab File: BG044011.D  
Acq: 10 Jan 2020 21:17

Tgt Ion:112 Resp: 102566  
Ion Ratio Lower Upper  
112 100  
64 56.0 47.8 71.6  
63 28.7 24.3 36.5



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: 87.475 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Instrument :

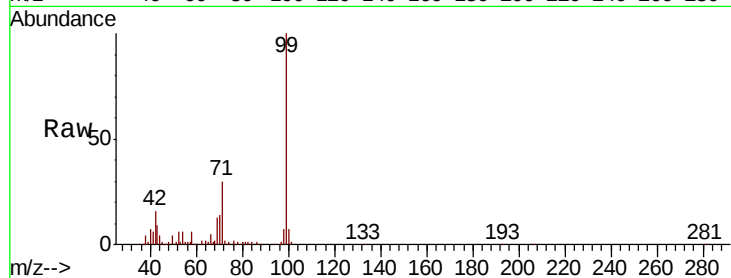
BNA\_G

ClientSampleId :

SIDE-WALK

Tot Ion: 99 Resp: 225047

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.4  | 14.9  | 22.3  |
| 71  | 29.5  | 26.4  | 39.6  |

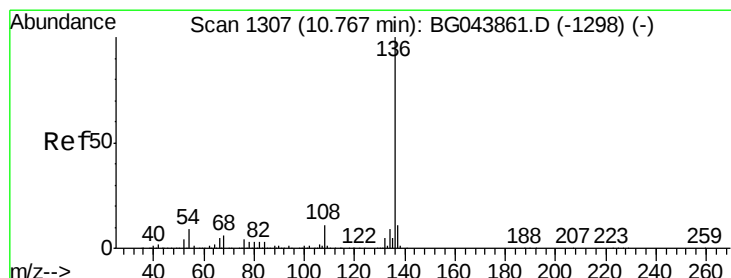
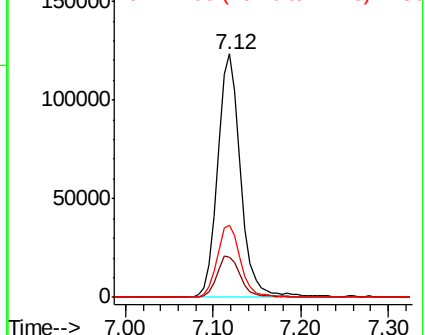
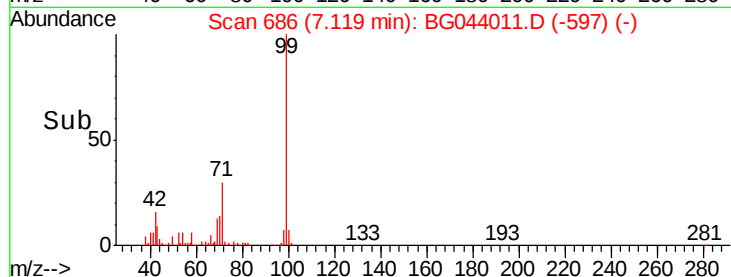


Abundance

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: 10.76 min Scan# 1305

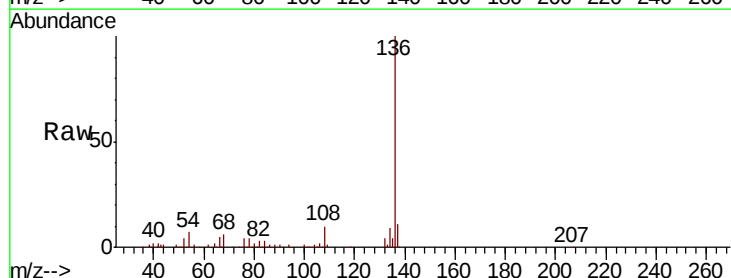
Delta R.T. -0.01 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Tgt Ion: 136 Resp: 140995

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.8   | 13.2  |
| 54  | 7.0   | 7.0   | 10.4  |
| 68  | 5.7   | 4.9   | 7.3   |



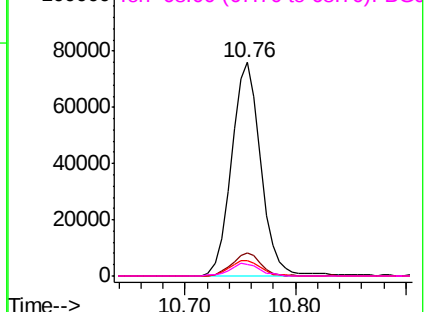
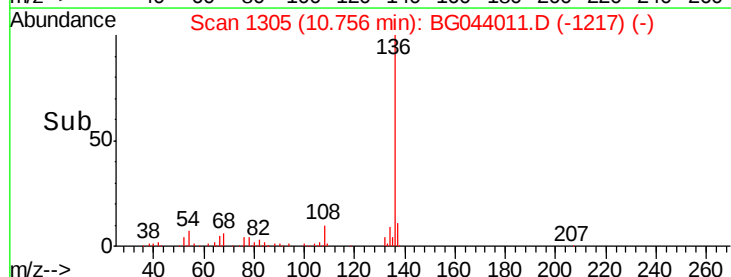
Abundance

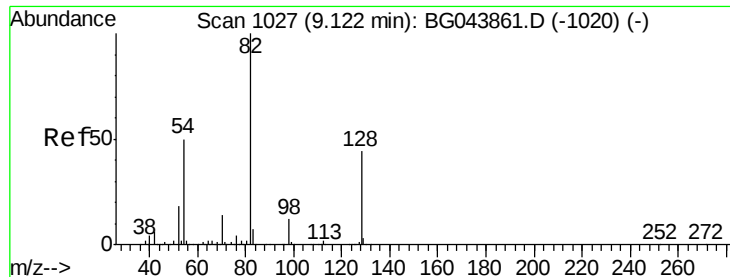
Ion 136.00 (135.70 to 136.70): BGC

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

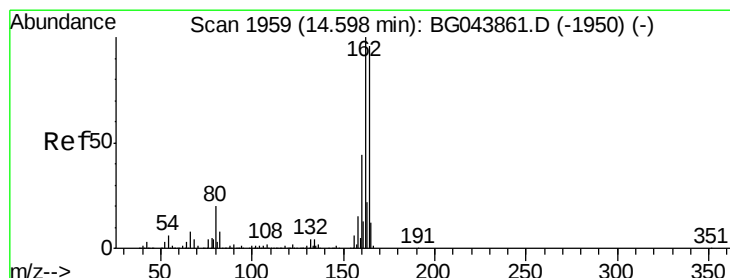
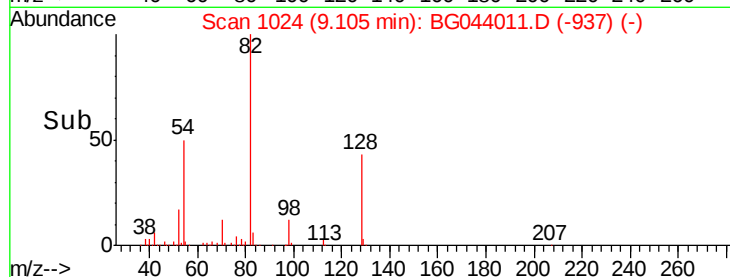
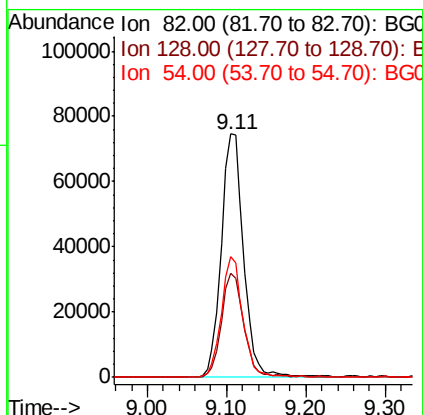
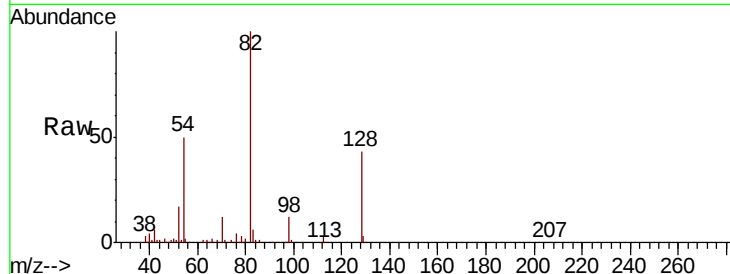




#23  
Nitrobenzene-d5  
Concen: 55.327 ng  
RT: 9.11 min Scan# 1024  
Delta R.T. -0.02 min  
Lab File: BG044011.D  
Acq: 10 Jan 2020 21:17

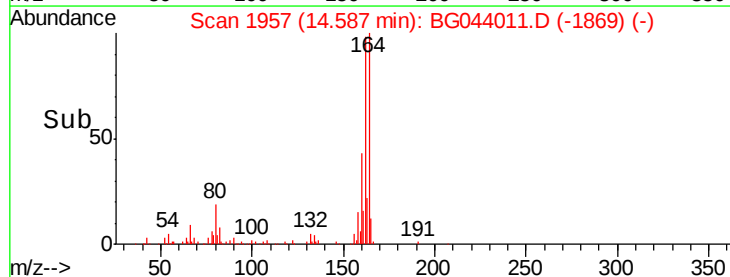
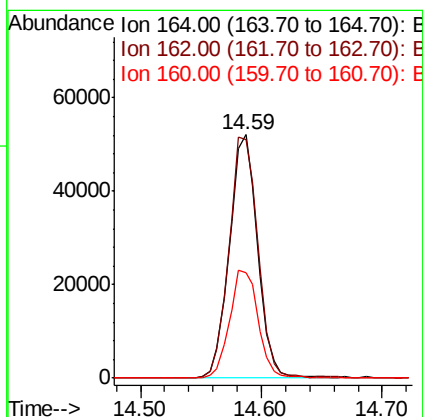
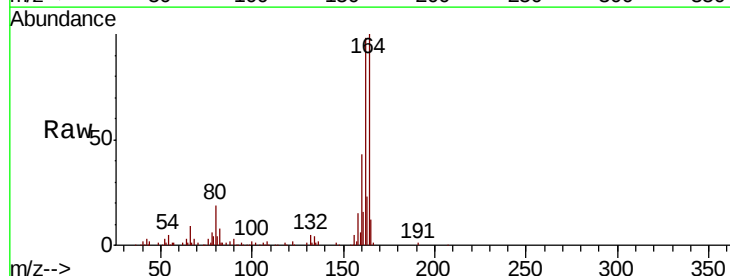
Instrument :  
BNA\_G  
ClientSampleId :  
SIDE-WALK

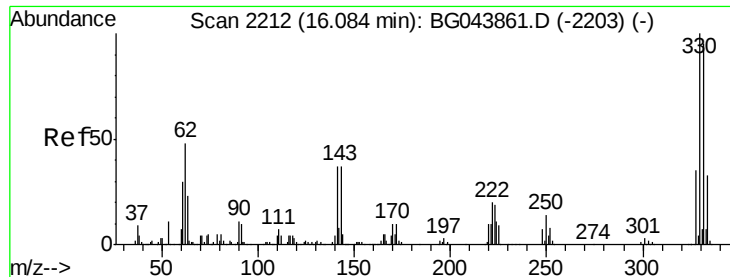
| Tot Ion   | 82    | Resp  | 145821 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.7  | 35.1  | 52.7   |
| 54        | 49.8  | 40.1  | 60.1   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.59 min Scan# 1957  
Delta R.T. -0.01 min  
Lab File: BG044011.D  
Acq: 10 Jan 2020 21:17

| Tgt Ion   | 164   | Resp  | 84565 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 98.1  | 83.0  | 124.4 |
| 160       | 43.3  | 36.1  | 54.1  |





#42

2,4,6-Tribromophenol

Concen: 28.872 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Instrument :

BNA\_G

ClientSampleId :

SIDE-WALK

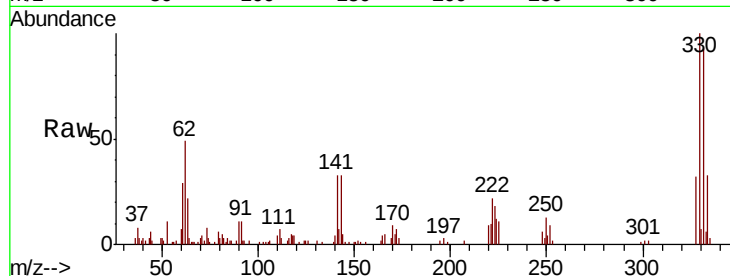
Tot Ion:330 Resp: 25550

Ion Ratio Lower Upper

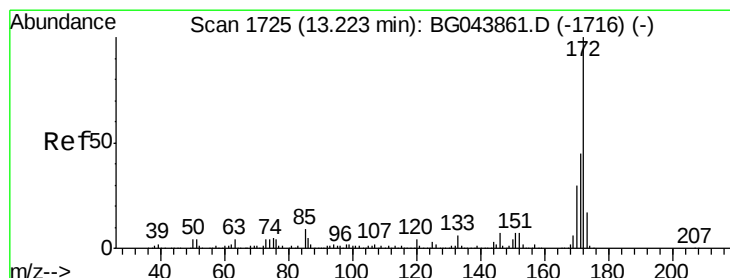
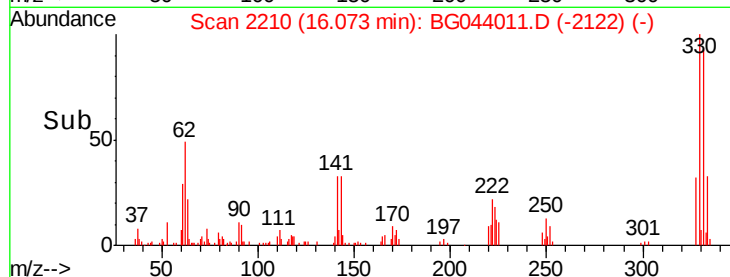
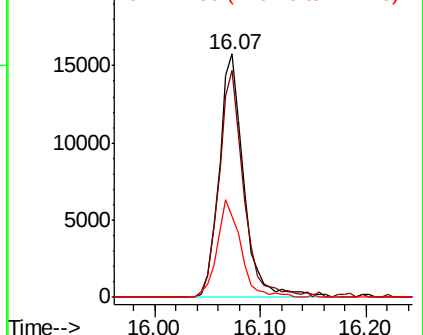
330 100

332 93.8 77.2 115.8

141 38.6 33.1 49.7



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: 74.108 ng

RT: 13.21 min Scan# 1722

Delta R.T. -0.02 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

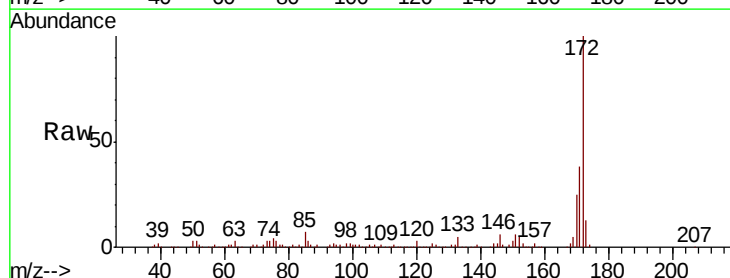
Tgt Ion:172 Resp: 345902

Ion Ratio Lower Upper

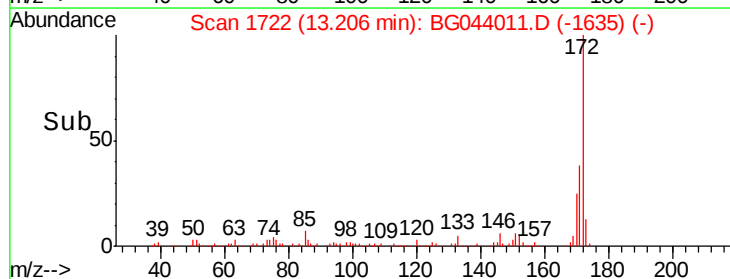
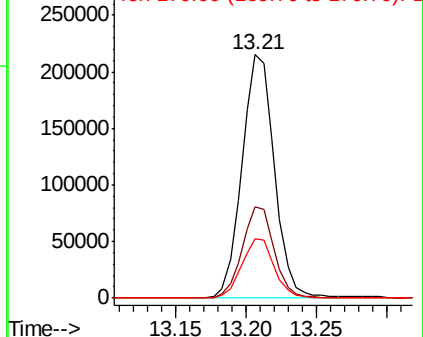
172 100

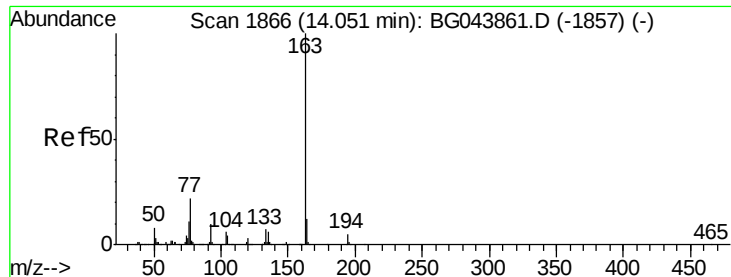
171 37.7 35.8 53.8

170 24.6 24.2 36.4



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

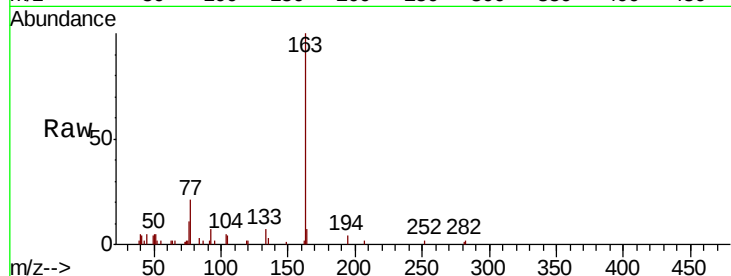




#50  
Dimethylphthalate  
Concen: 3.080 ng  
RT: 14.04 min Scan# 1864  
Delta R.T. -0.01 min  
Lab File: BG044011.D  
Acq: 10 Jan 2020 21:17

Instrument :  
BNA\_G  
ClientSampleId :  
SIDE-WALK

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 3.7   | 5.5   |
| 164     | 7.3   | 9.3   | 13.9# |

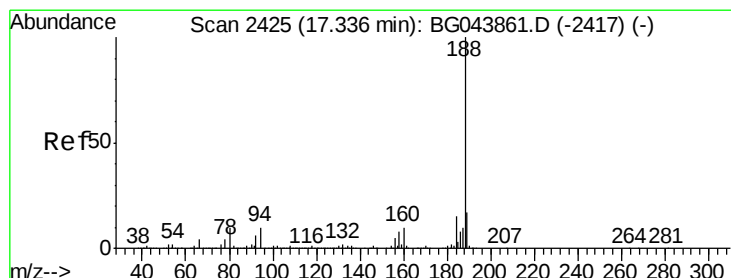
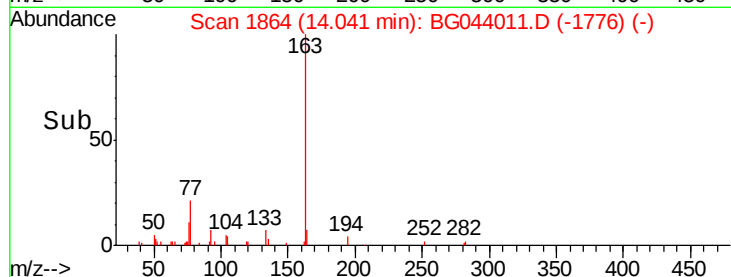
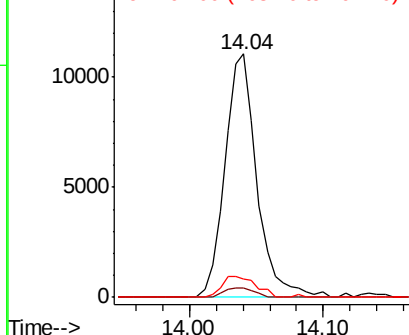


Abundance

Ion 163.00 (162.70 to 163.70): E

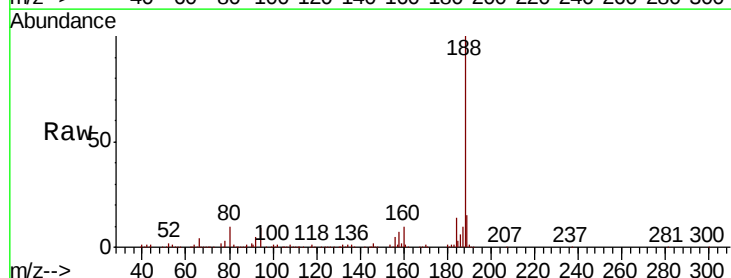
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.32 min Scan# 2423  
Delta R.T. -0.01 min  
Lab File: BG044011.D  
Acq: 10 Jan 2020 21:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.2   | 7.9   | 11.9  |
| 80      | 10.2  | 8.2   | 12.4  |

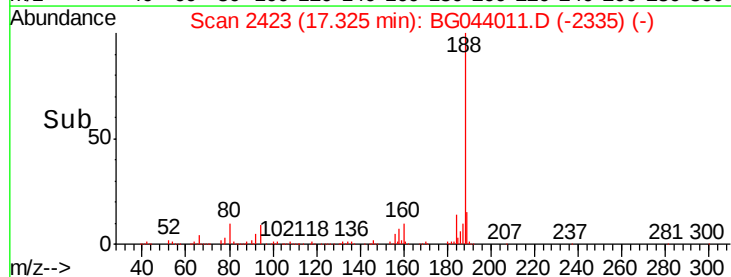
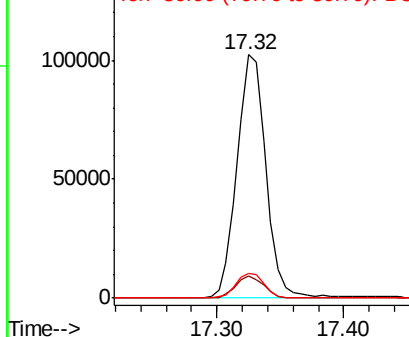


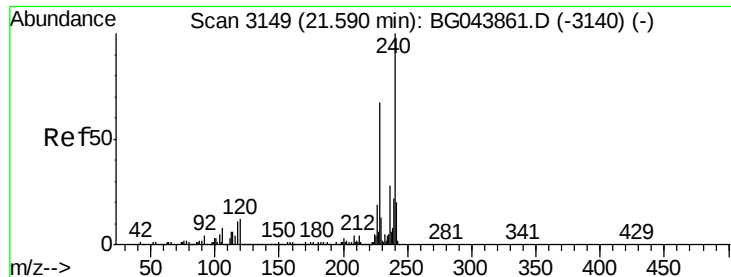
Abundance

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

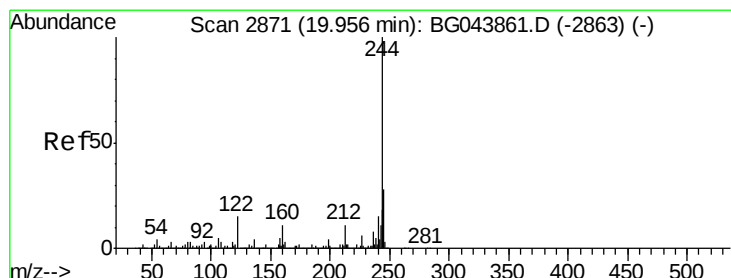
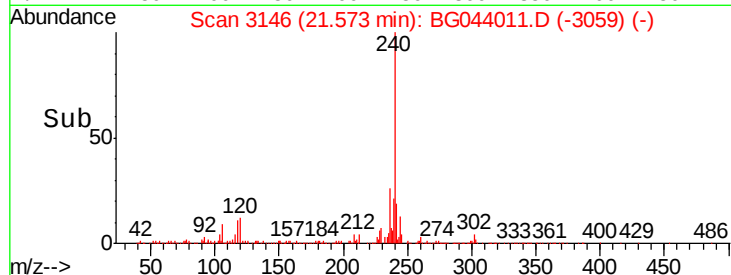
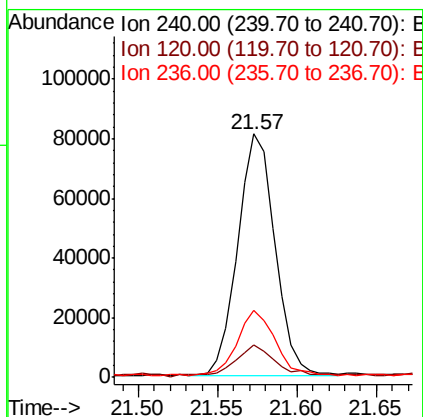
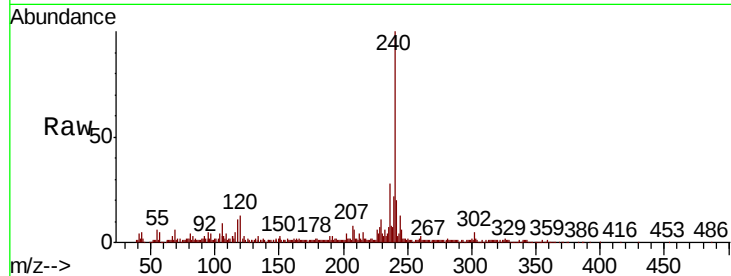




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.57 min Scan# 3146  
Delta R.T. -0.02 min  
Lab File: BG044011.D  
Acq: 10 Jan 2020 21:17

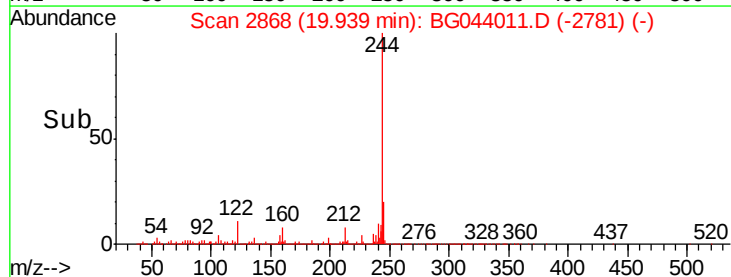
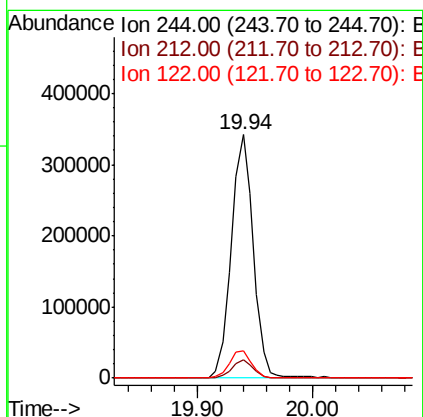
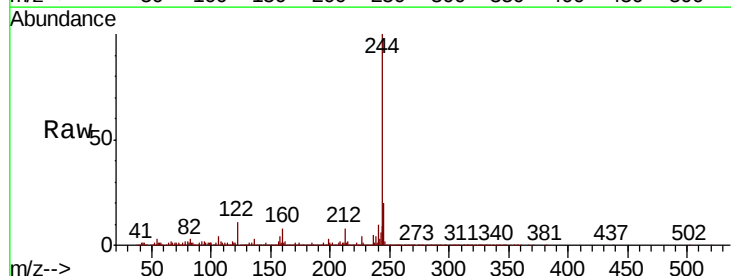
Instrument :  
BNA\_G  
ClientSampleId :  
SIDE-WALK

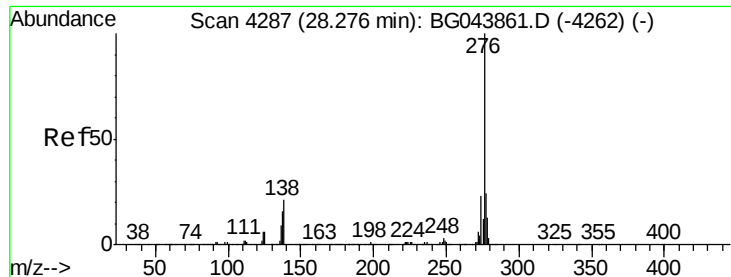
Tot Ion:240 Resp: 131827  
Ion Ratio Lower Upper  
240 100  
120 13.1 9.6 14.4  
236 27.6 22.2 33.2



#79  
Terphenyl-d14  
Concen: 81.092 ng  
RT: 19.94 min Scan# 2868  
Delta R.T. -0.02 min  
Lab File: BG044011.D  
Acq: 10 Jan 2020 21:17

Tgt Ion:244 Resp: 448867  
Ion Ratio Lower Upper  
244 100  
212 7.8 8.6 13.0#  
122 11.2 11.9 17.9#





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.485 ng

RT: 28.24 min Scan# 4280

Delta R.T. -0.04 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Instrument :

BNA\_G

ClientSampleId :

SIDE-WALK

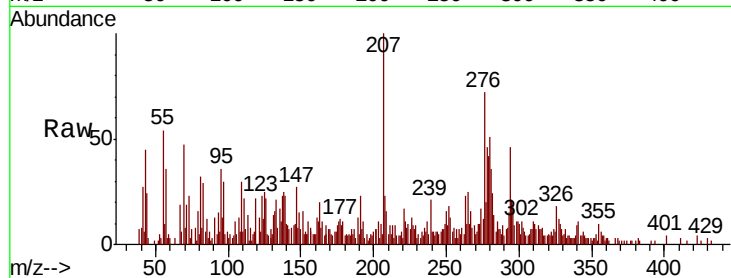
Tot Ion:276 Resp: 26233

Ion Ratio Lower Upper

276 100

138 0.0 21.0 31.4#

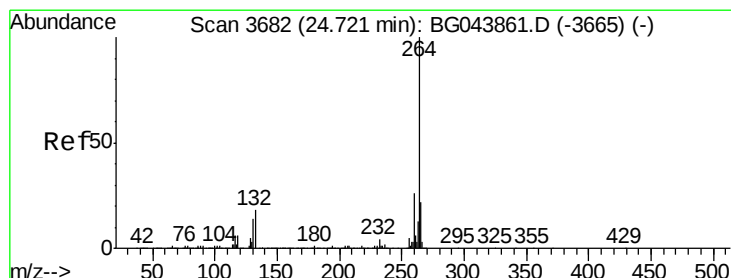
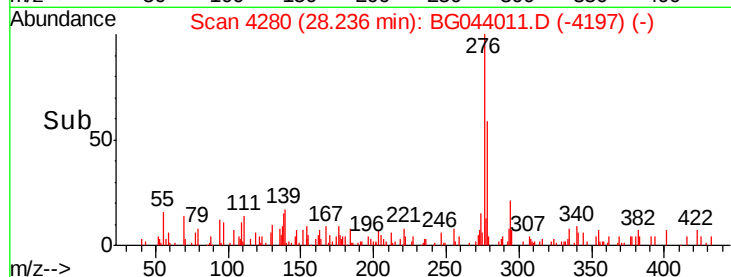
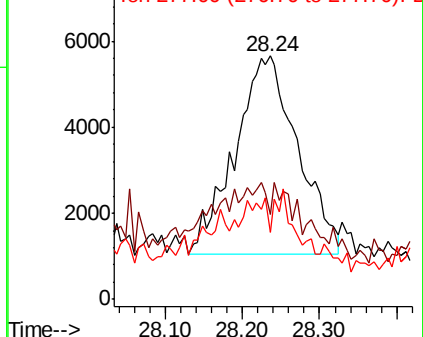
277 9.8 21.1 31.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3678

Delta R.T. -0.02 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

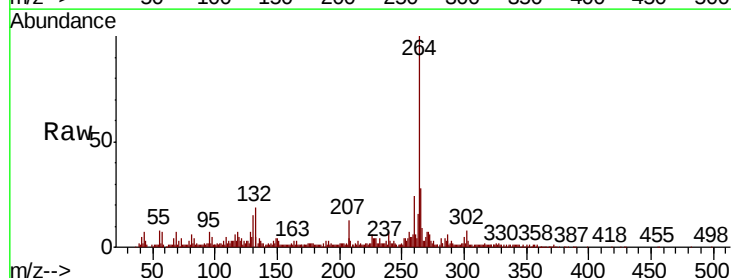
Tgt Ion:264 Resp: 150620

Ion Ratio Lower Upper

264 100

260 24.2 20.4 30.6

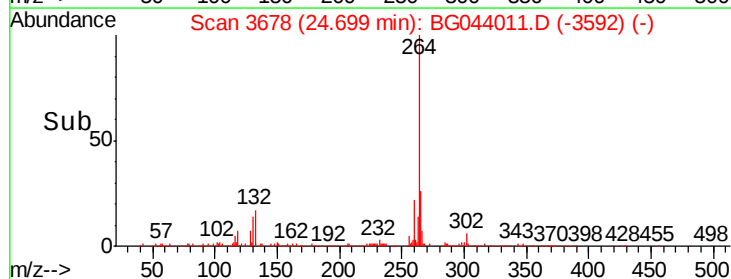
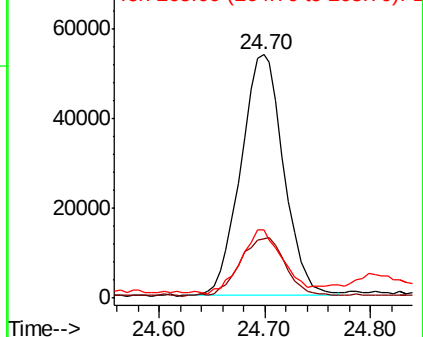
265 28.0 17.4 26.2#

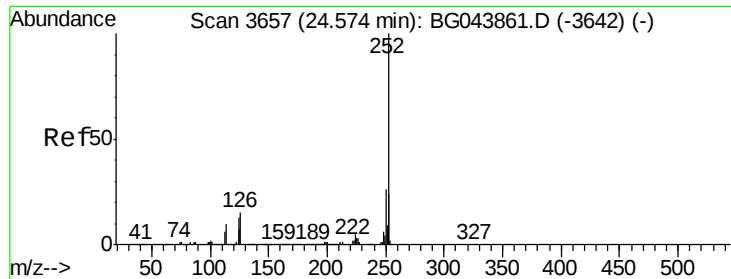


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#90

Benzo(a)pyrene

Concen: 7.118 ng

RT: 24.55 min Scan# 3652

Delta R.T. -0.03 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Instrument :

BNA\_G

ClientSampleId :

SIDE-WALK

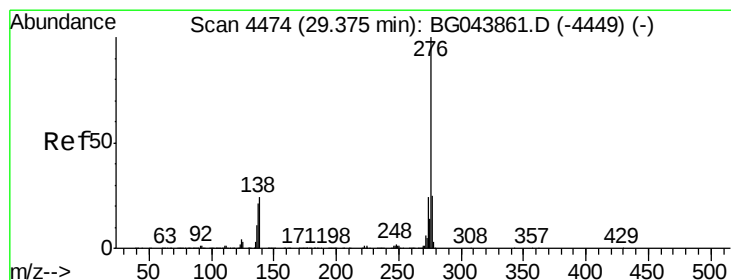
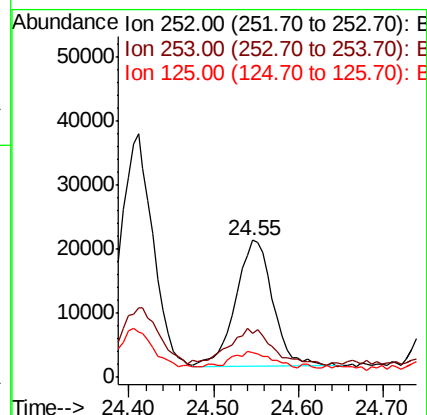
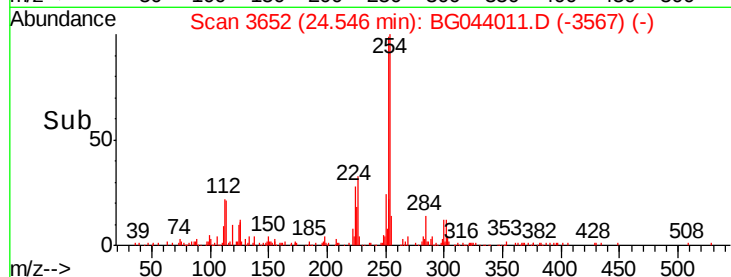
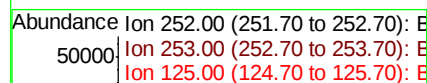
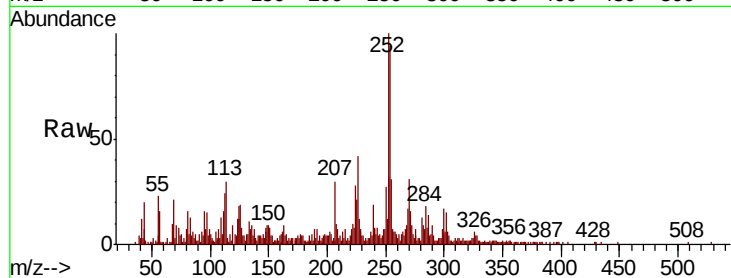
Tot Ion:252 Resp: 59820

Ion Ratio Lower Upper

252 100

253 32.3 19.3 28.9#

125 18.0 10.4 15.6#



#92

Benzo(g,h,i)perylene

Concen: 9.000 ng

RT: 29.33 min Scan# 4466

Delta R.T. -0.05 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Tgt Ion:276 Resp: 75455

Ion Ratio Lower Upper

276 100

277 29.8 20.2 30.4

138 26.1 19.0 28.6

