

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\  
 Data File : BG045018.D  
 Acq On : 16 Apr 2020 22:50  
 Operator : CG/JU  
 Sample : L2287-12 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-37-38-45-46

Quant Time: Apr 17 04:40:00 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 15 17:57:00 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.03  | 152  | 74210    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.84 | 136  | 334862   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.66 | 164  | 227123   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.41 | 188  | 395122   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.68 | 240  | 371604   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.87 | 264  | 406468   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.60  | 112 | 105714 | 23.52 | ng | 0.00 |
| 7) Phenol-d6             | 7.18  | 99  | 172306 | 25.80 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.18  | 82  | 122179 | 16.65 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.15 | 330 | 79310  | 22.60 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.29 | 172 | 325112 | 20.99 | ng | 0.00 |
| 79) Terphenyl-d14        | 20.02 | 244 | 387454 | 22.73 | ng | 0.00 |

## Target Compounds

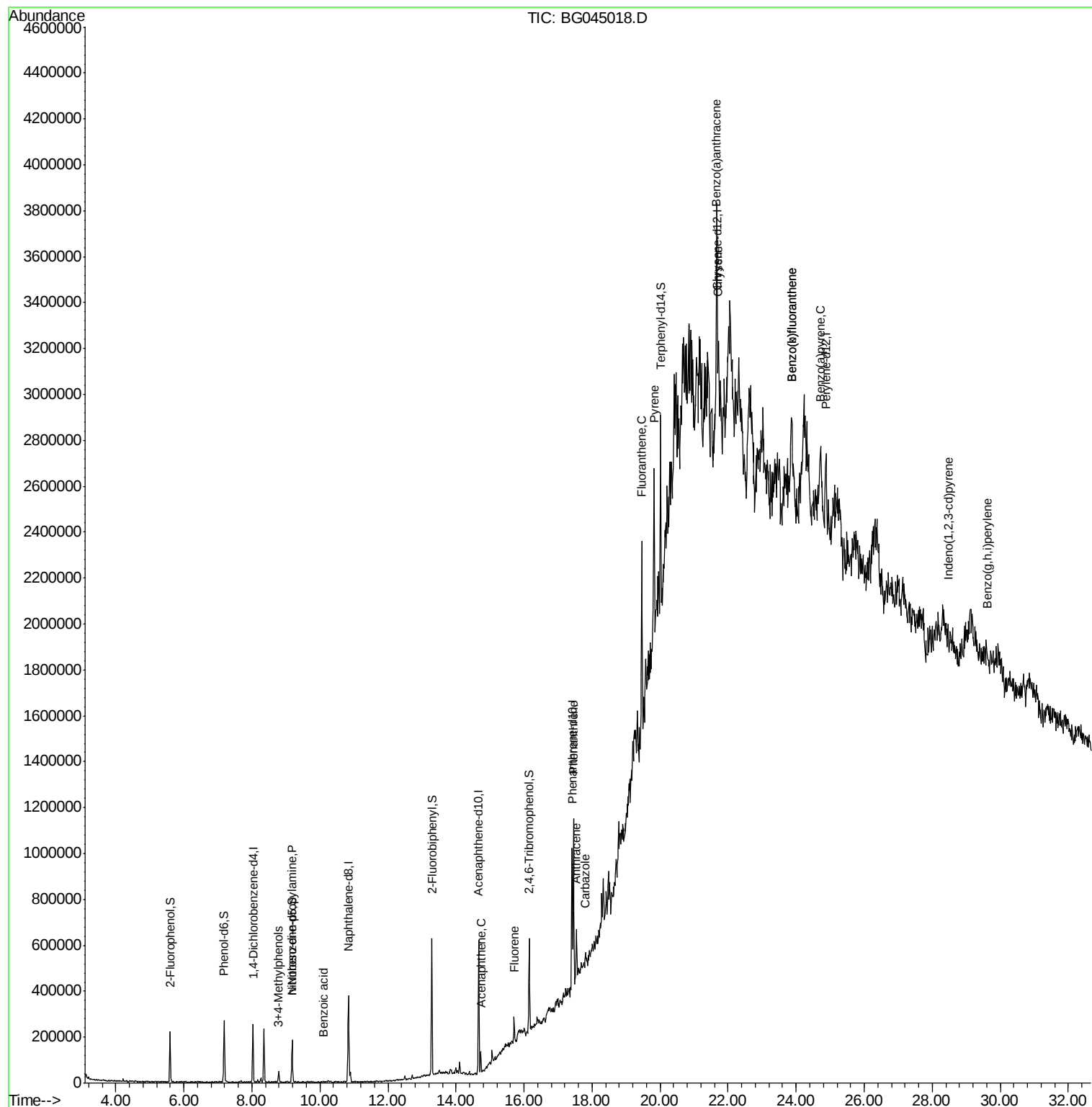
|                                |       |     |        |           | Qvalue |    |
|--------------------------------|-------|-----|--------|-----------|--------|----|
| 9) Benzaldehyde                | 7.19  | 77  | 1057   | Below Cal | #      | 2  |
| 19) n-Nitroso-di-n-propylamine | 9.18  | 70  | 16664  | 3.528 ng  | #      | 76 |
| 20) 3+4-Methylphenols          | 8.79  | 107 | 24553  | 3.402 ng  |        | 90 |
| 32) Benzoic acid               | 10.09 | 122 | 68     | 6.388 ng  | #      | 36 |
| 52) Acenaphthene               | 14.73 | 154 | 36150  | 2.487 ng  |        | 99 |
| 58) Fluorene                   | 15.71 | 166 | 42167  | 2.436 ng  |        | 97 |
| 69) Atrazine                   | 16.88 | 200 | 305    | Below Cal | #      | 1  |
| 71) Phenanthrene               | 17.45 | 178 | 479181 | 23.600 ng |        | 98 |
| 72) Anthracene                 | 17.54 | 178 | 118435 | 5.815 ng  |        | 98 |
| 73) Carbazole                  | 17.81 | 167 | 41707  | 2.018 ng  | #      | 92 |
| 74) Di-n-butylphthalate        | 18.37 | 149 | 2565   | Below Cal | #      | 65 |
| 75) Fluoranthene               | 19.46 | 202 | 555317 | 19.816 ng |        | 98 |
| 77) Benzidine                  | 19.63 | 184 | 382    | Below Cal | #      | 1  |
| 78) Pyrene                     | 19.82 | 202 | 501303 | 19.568 ng |        | 96 |
| 81) Benzo(a)anthracene         | 21.65 | 228 | 272848 | 11.328 ng |        | 94 |
| 83) Chrysene                   | 21.72 | 228 | 241324 | 10.428 ng | #      | 94 |
| 86) Indeno(1,2,3-cd)pyrene     | 28.49 | 276 | 132131 | 4.300 ng  | #      | 88 |
| 88) Benzo(b)fluoranthene       | 23.86 | 252 | 293416 | 11.524 ng | #      | 77 |
| 89) Benzo(k)fluoranthene       | 23.86 | 252 | 293416 | 12.118 ng | #      | 78 |
| 90) Benzo(a)pyrene             | 24.71 | 252 | 226827 | 9.436 ng  | #      | 71 |
| 92) Benzo(a,h,i)perylene       | 29.62 | 276 | 127121 | 5.235 ng  | #      | 83 |

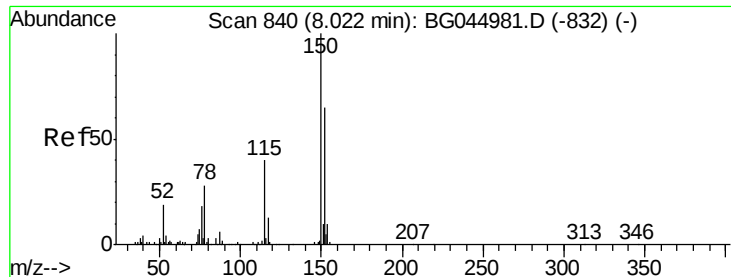
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041620\  
Data File : BG045018.D  
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Sample : L2287-12 5X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-37-38-45-46

Quant Time: Apr 17 04:40:00 2020  
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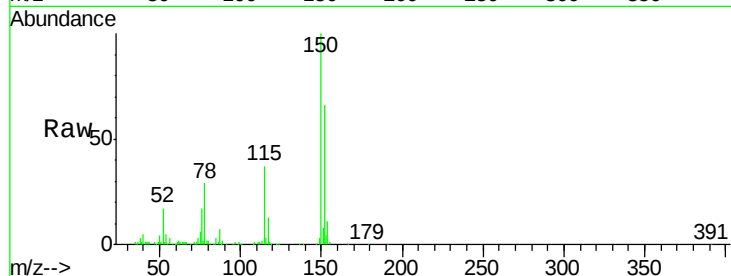


#1

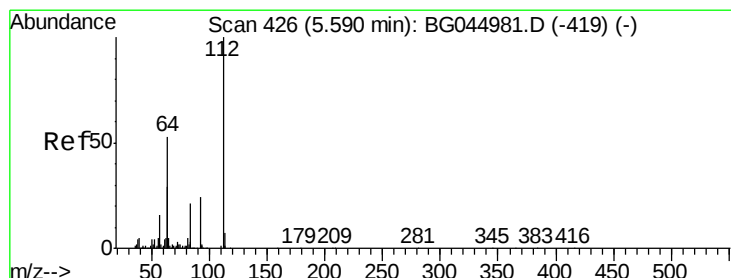
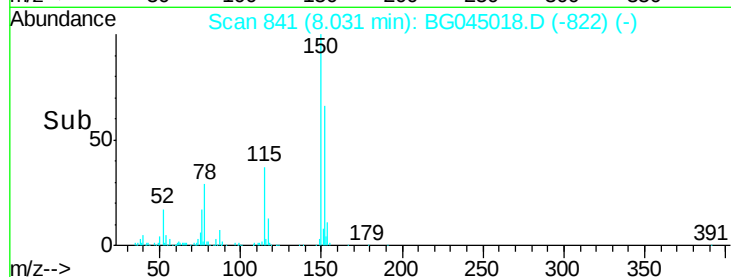
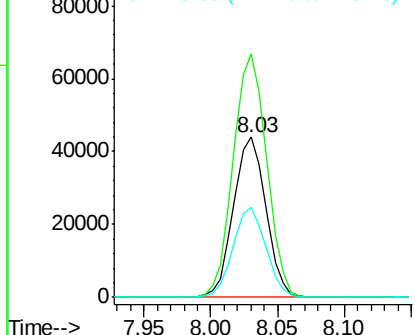
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 841  
Delta R.T. 0.01 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

Instrument :  
BNA\_G  
ClientSampleId :  
TP-37-38-45-46

Tot Ion:152 Resp: 74210  
Ion Ratio Lower Upper  
152 100  
150 152.4 123.6 185.4  
115 56.4 49.1 73.7



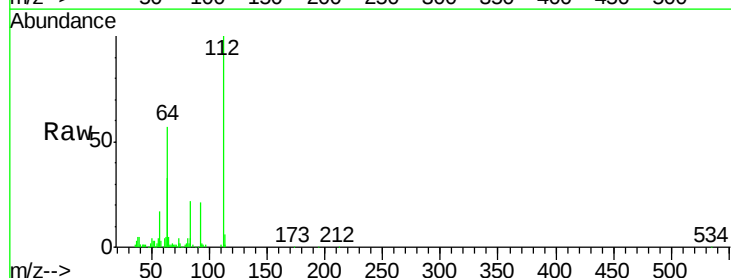
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



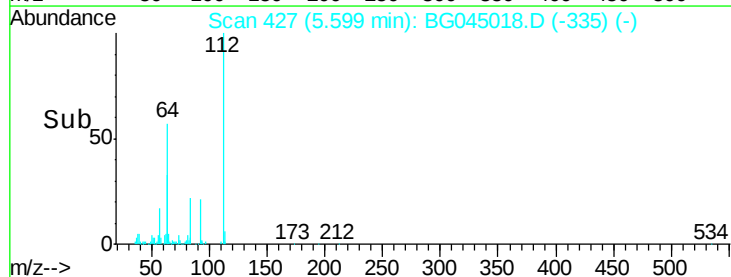
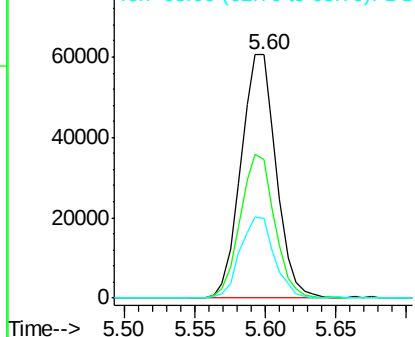
#5

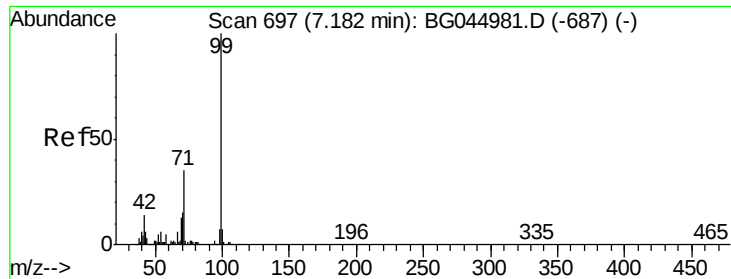
2-Fluorophenol  
Concen: 23.518 ng  
RT: 5.60 min Scan# 427  
Delta R.T. 0.01 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

Tgt Ion:112 Resp: 105714  
Ion Ratio Lower Upper  
112 100  
64 56.9 42.4 63.6  
63 32.6 23.1 34.7



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: 25.800 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA\_G

ClientSampleId :

TP-37-38-45-46

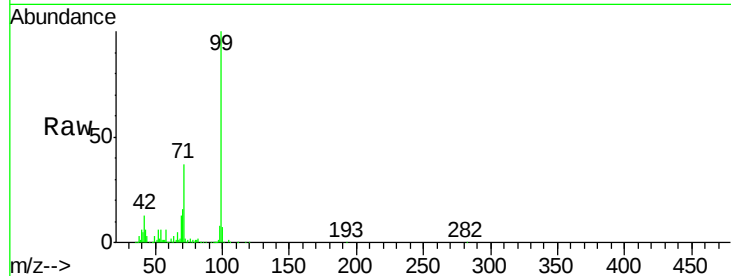
Tot Ion: 99 Resp: 172306

Ion Ratio Lower Upper

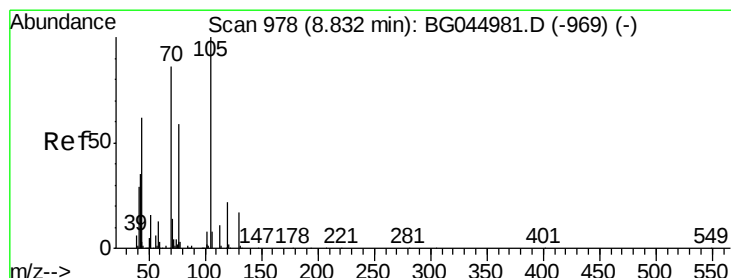
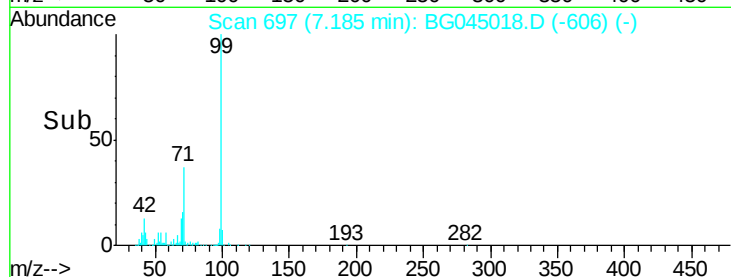
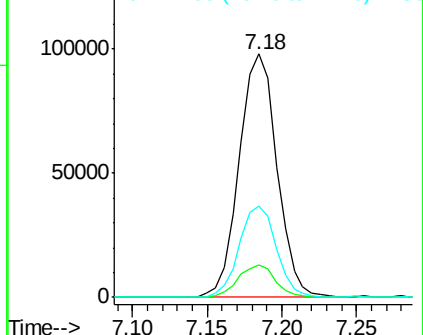
99 100

42 13.3 11.3 16.9

71 37.5 28.3 42.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.528 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Tgt Ion: 70 Resp: 16664

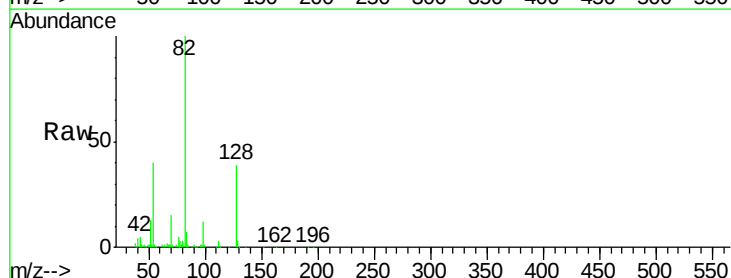
Ion Ratio Lower Upper

70 100

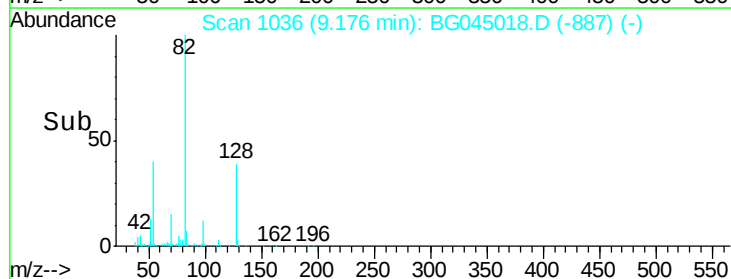
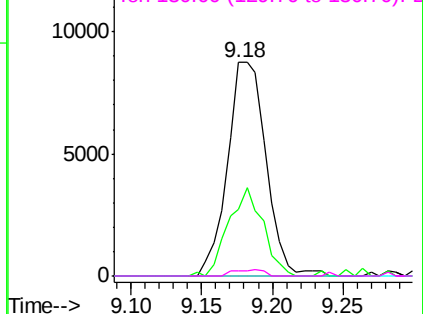
42 31.1 33.3 49.9#

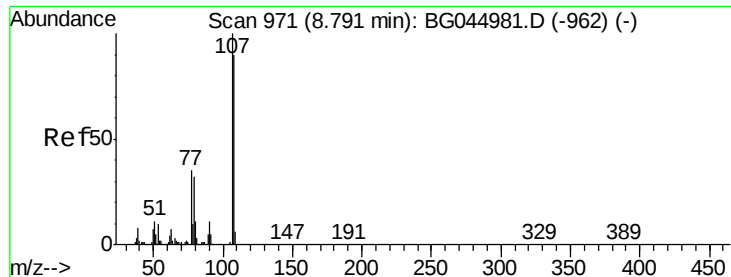
101 0.0 7.8 11.8#

130 2.7 15.8 23.6#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

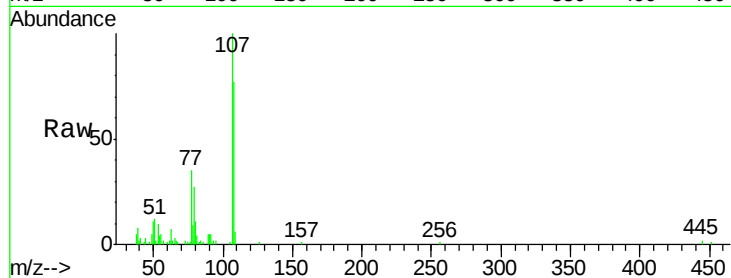




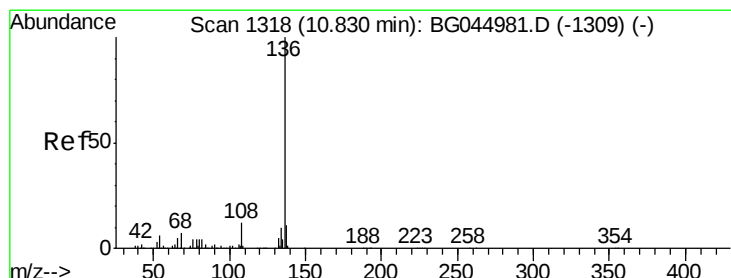
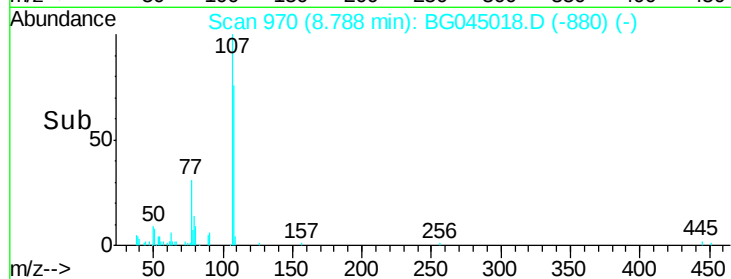
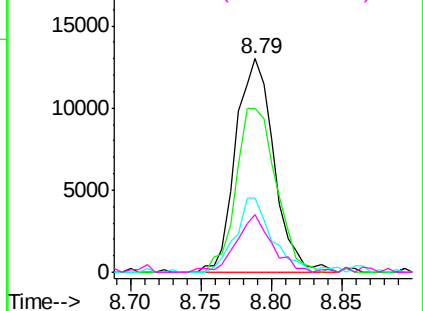
#20  
3+4-Methylphenols  
Concen: 3.402 ng  
RT: 8.79 min Scan# 970  
Delta R.T. -0.00 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

Instrument :  
BNA\_G  
ClientSampleId :  
TP-37-38-45-46

|             |       |       |
|-------------|-------|-------|
| Tot Ion:107 | Resp: | 24553 |
| Ion Ratio   | Lower | Upper |
| 107 100     |       |       |
| 108 76.8    | 69.9  | 109.9 |
| 77 35.1     | 15.2  | 55.2  |
| 79 27.2     | 11.6  | 51.6  |

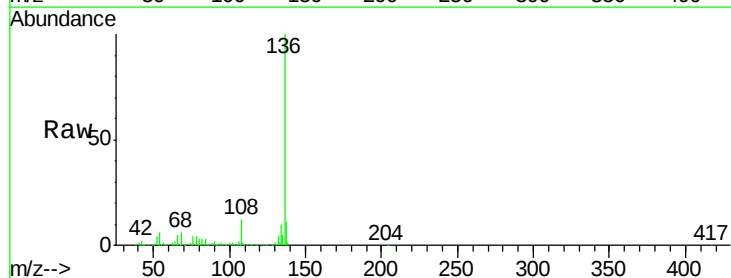


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

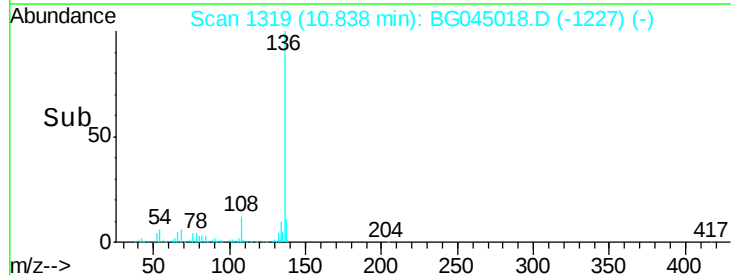
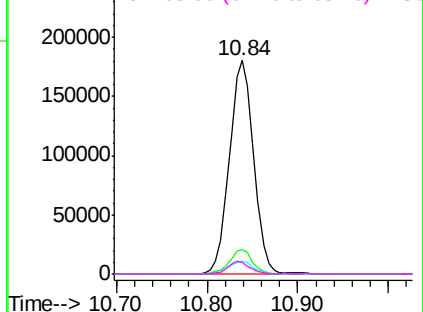


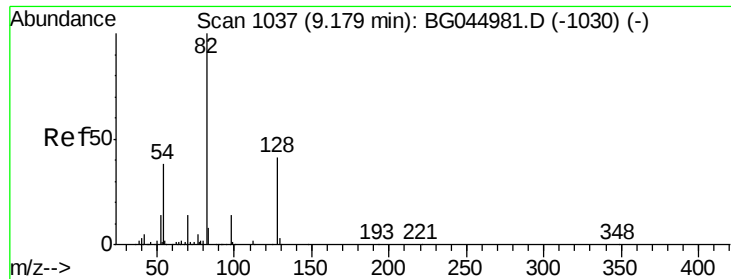
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.84 min Scan# 1319  
Delta R.T. 0.01 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 334862 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 11.2    | 8.6   | 13.0   |
| 54  | 6.1     | 4.8   | 7.2    |
| 68  | 5.6     | 5.2   | 7.8    |



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

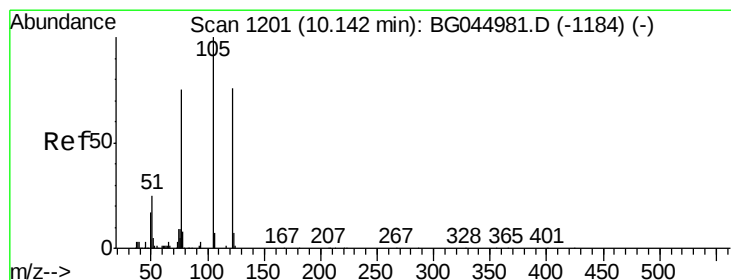
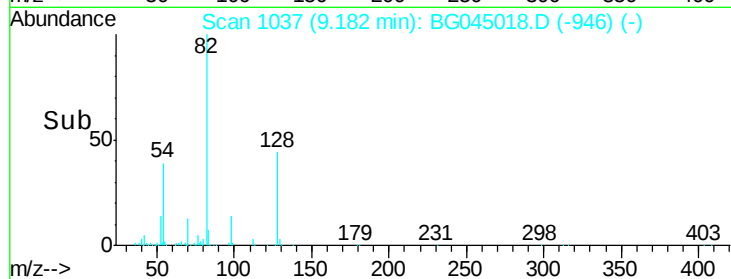
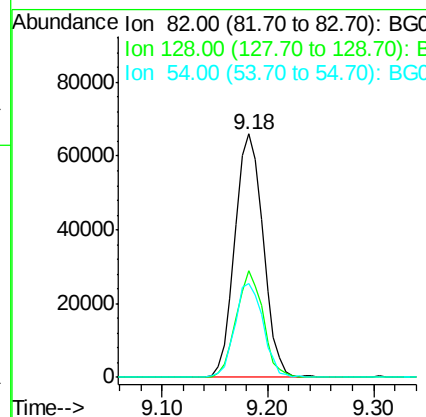
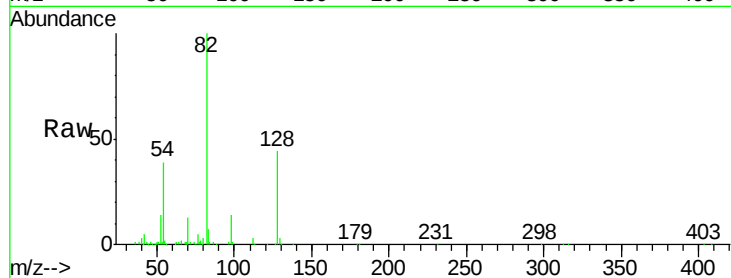




#23  
 Nitrobenzene-d5  
 Concen: 16.648 ng  
 RT: 9.18 min Scan# 1037  
 Delta R.T. 0.00 min  
 Lab File: BG045018.D  
 Acq: 16 Apr 2020 22:50

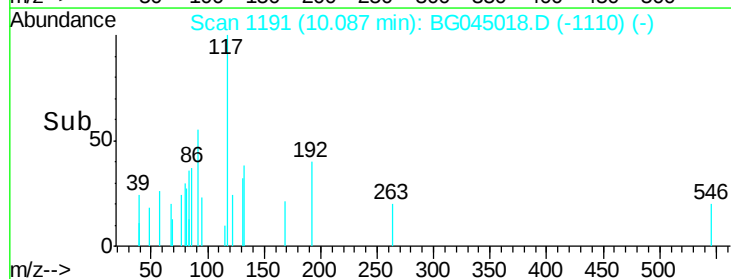
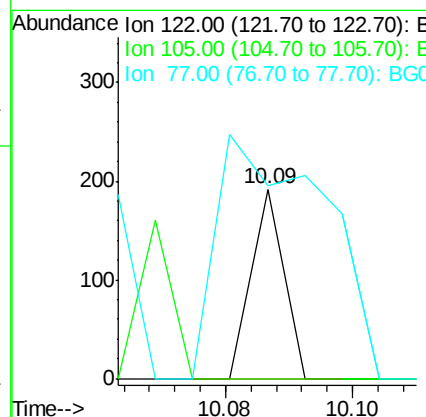
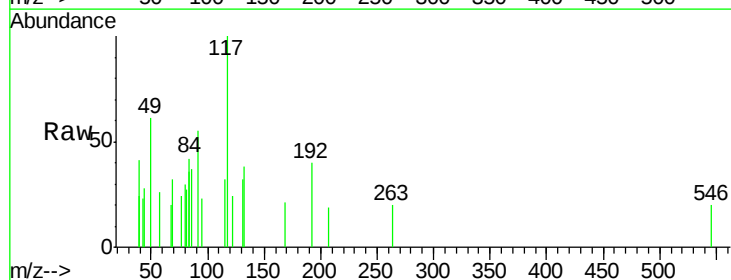
Instrument :  
 BNA\_G  
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 TP-37-38-45-46

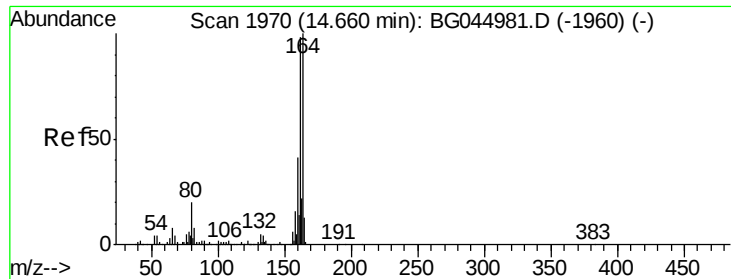
| Tot Ion | 82    | Resp  | 122179 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 43.7  | 33.0  | 49.4   |
| 54      | 38.6  | 30.4  | 45.6   |



#32  
 Benzoic acid  
 Concen: 6.388 ng  
 RT: 10.09 min Scan# 1191  
 Delta R.T. -0.06 min  
 Lab File: BG045018.D  
 Acq: 16 Apr 2020 22:50

| Tgt Ion | 122   | Resp  | 68     |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 122     | 100   |       |        |
| 105     | 0.0   | 108.4 | 148.4# |
| 77      | 102.1 | 78.8  | 118.8  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA\_G

ClientSampleId :

TP-37-38-45-46

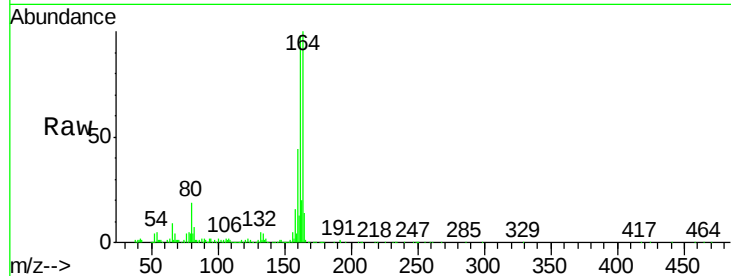
Tot Ion:164 Resp: 227123

Ion Ratio Lower Upper

164 100

162 98.2 78.7 118.1

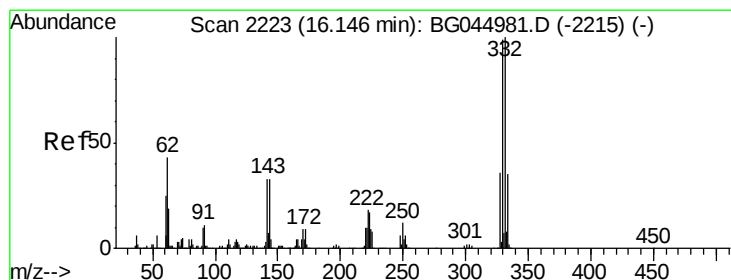
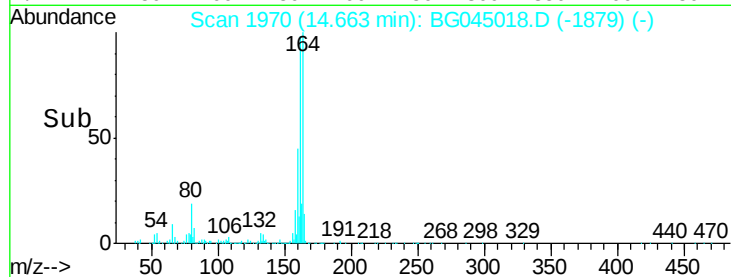
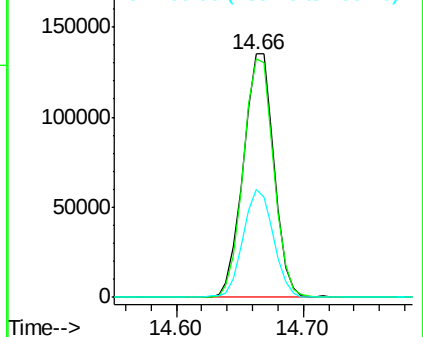
160 44.5 32.8 49.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 22.603 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

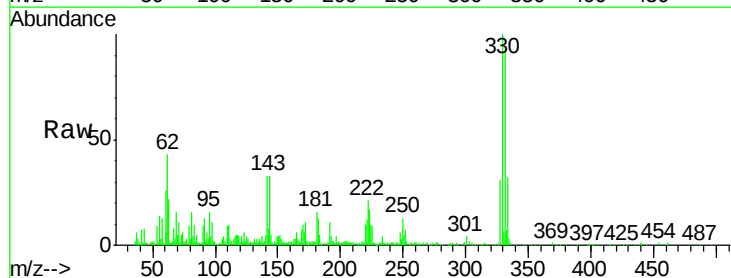
Tgt Ion:330 Resp: 79310

Ion Ratio Lower Upper

330 100

332 95.2 79.1 118.7

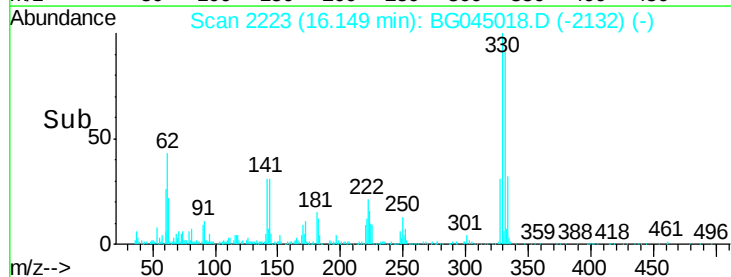
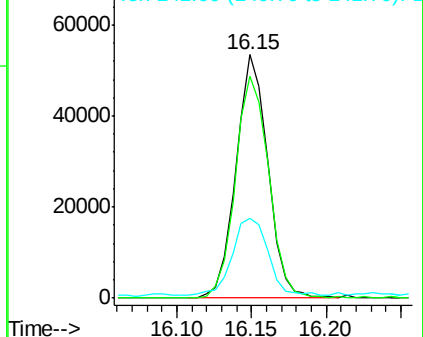
141 36.3 27.1 40.7

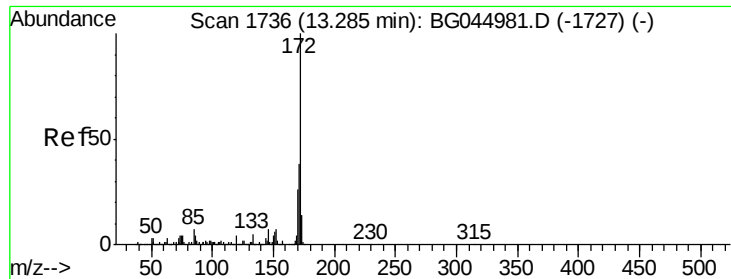


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

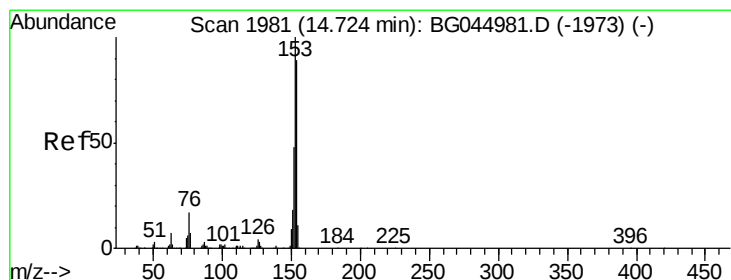
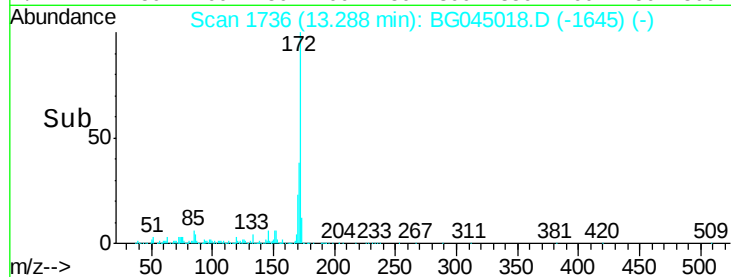
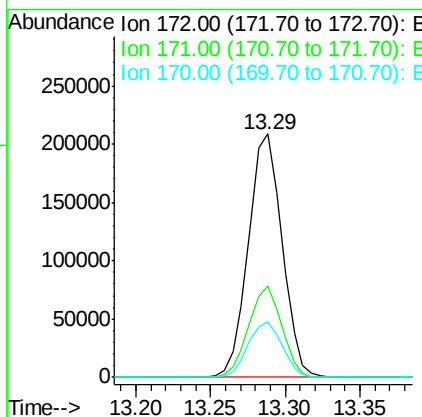
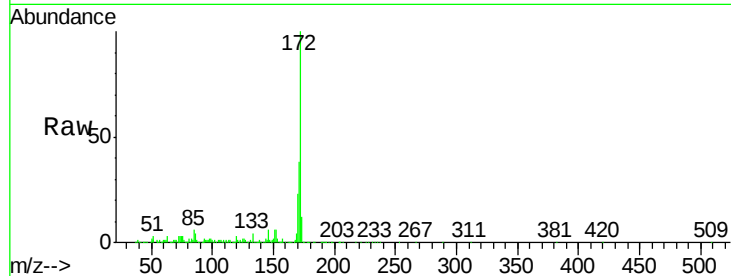




#45  
2-Fluorobiphenyl  
Concen: 20.989 ng  
RT: 13.29 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

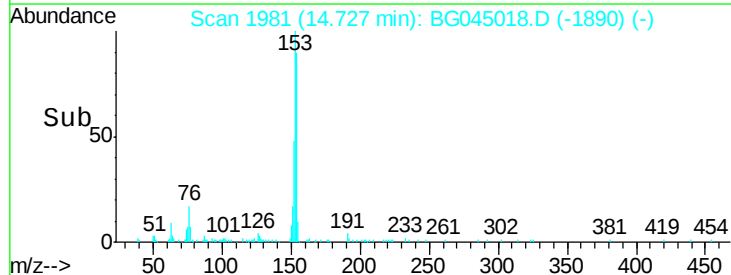
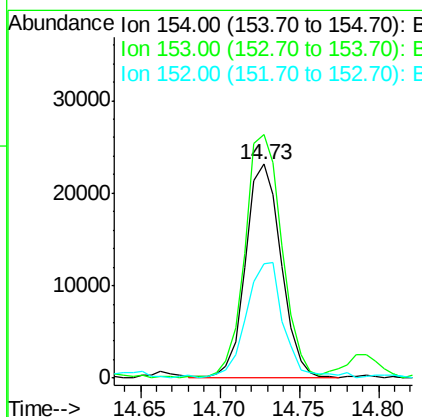
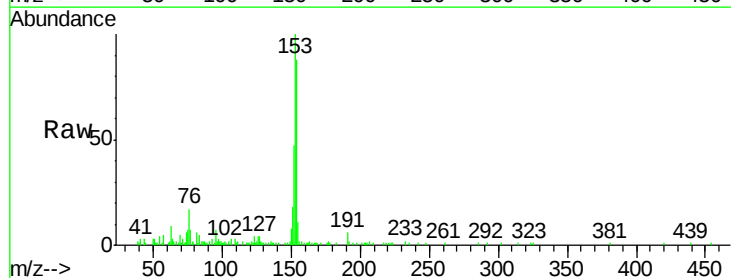
Instrument :  
BNA\_G  
ClientSampleId :  
TP-37-38-45-46

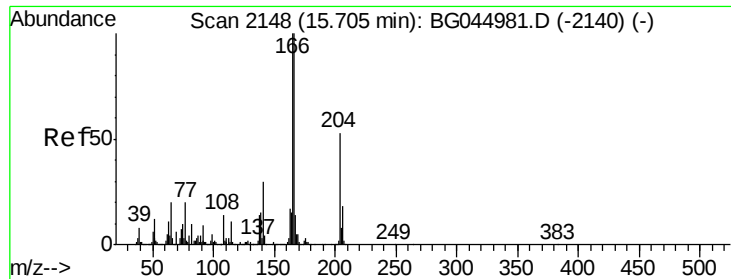
Tot Ion:172 Resp: 325112  
Ion Ratio Lower Upper  
172 100  
171 37.6 30.6 46.0  
170 23.0 20.5 30.7



#52  
Acenaphthene  
Concen: 2.487 ng  
RT: 14.73 min Scan# 1981  
Delta R.T. 0.00 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

Tgt Ion:154 Resp: 36150  
Ion Ratio Lower Upper  
154 100  
153 113.8 89.7 134.5  
152 53.6 43.1 64.7





#58

Fluorene

Concen: 2.436 ng

RT: 15.71 min Scan# 2148

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA\_G

ClientSampleId :

TP-37-38-45-46

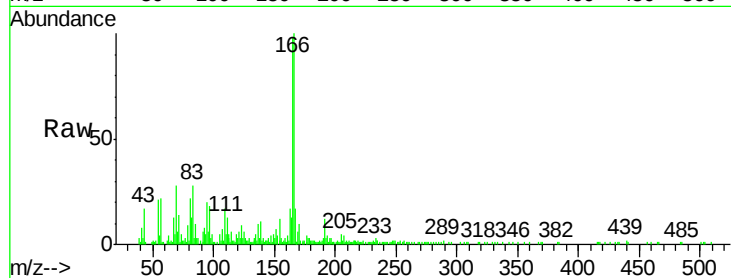
Tot Ion:166 Resp: 42167

Ion Ratio Lower Upper

166 100

165 97.7 79.9 119.9

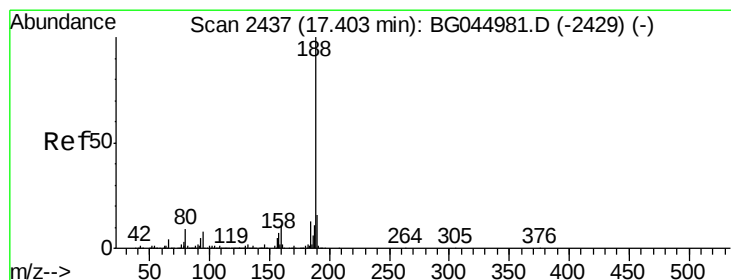
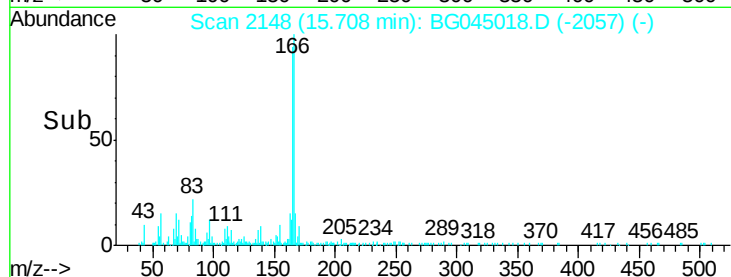
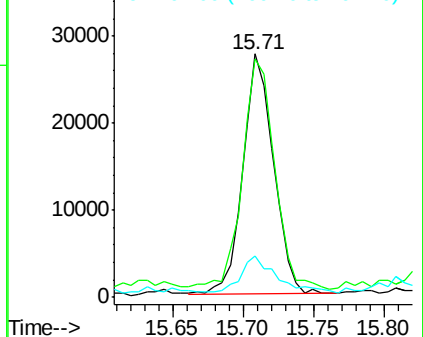
167 16.9 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. 0.01 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

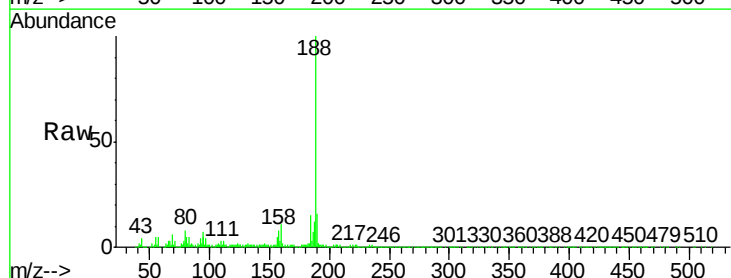
Tgt Ion:188 Resp: 395122

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

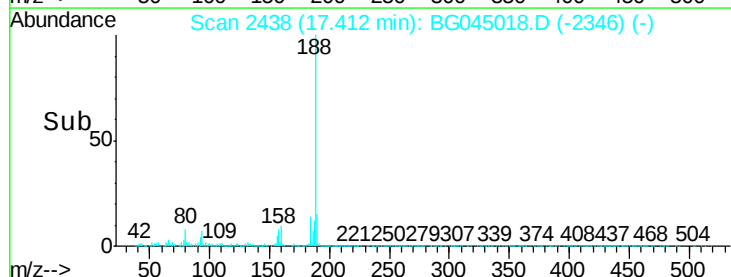
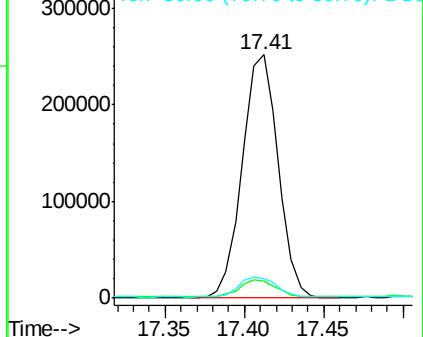
80 8.2 7.0 10.6

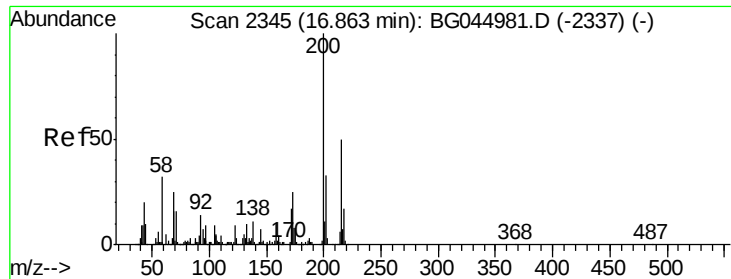


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#69

Atrazine

Concen: Below Cal

RT: 16.88 min Scan# 2347

Delta R.T. 0.02 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA\_G

ClientSampleId :

TP-37-38-45-46

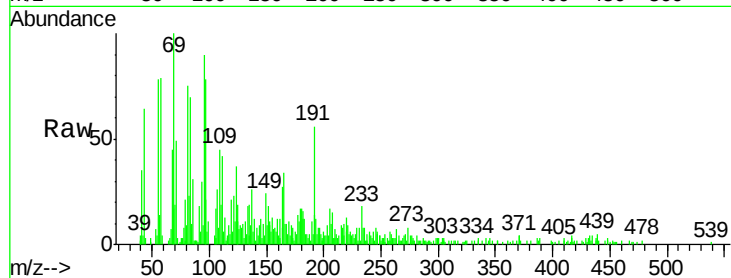
Tot Ion:200 Resp: 305

Ion Ratio Lower Upper

200 100

173 346.7 4.5 44.5#

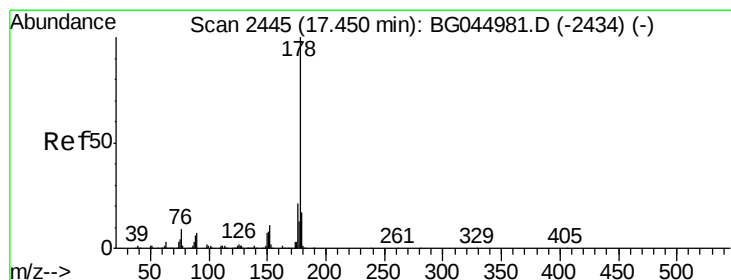
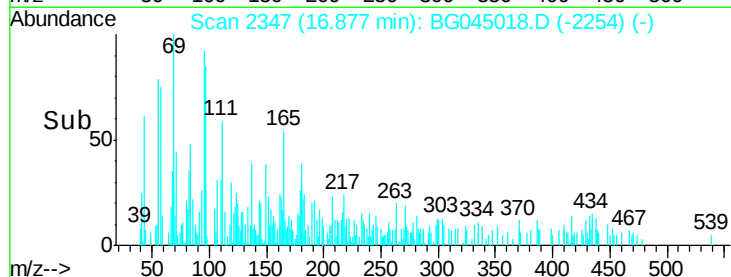
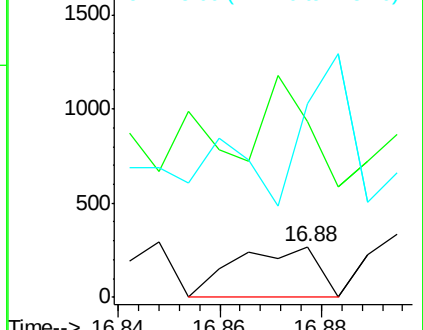
215 381.1 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#71

Phenanthrene

Concen: 23.600 ng

RT: 17.45 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

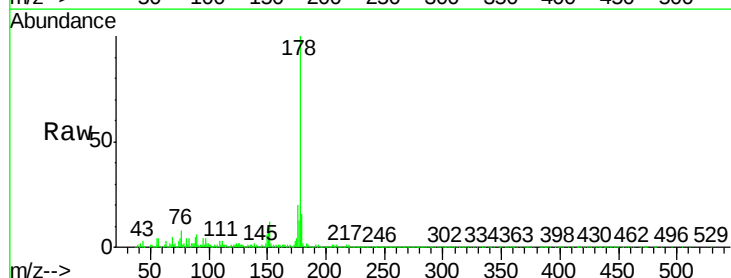
Tgt Ion:178 Resp: 479181

Ion Ratio Lower Upper

178 100

176 20.1 16.8 25.2

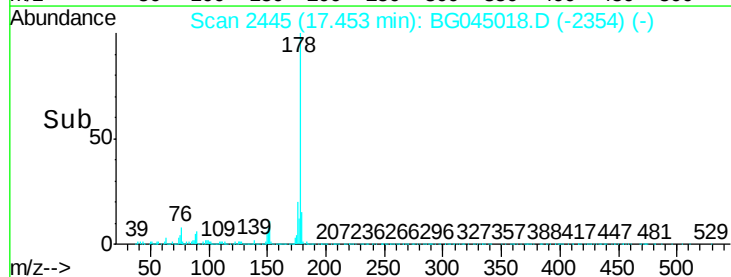
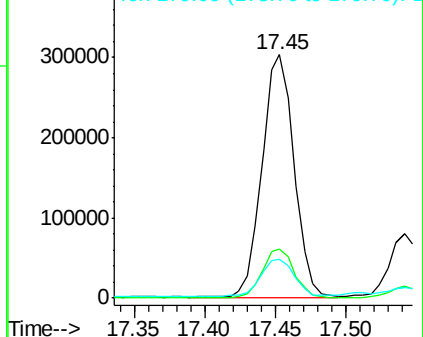
179 15.8 13.2 19.8

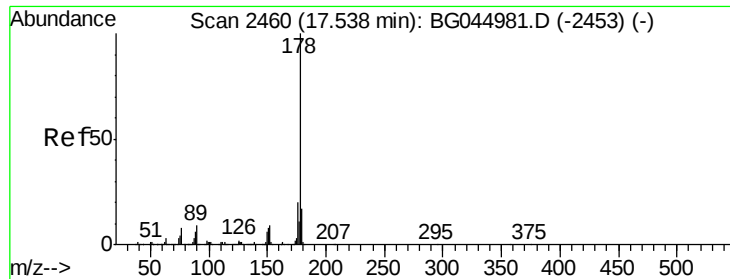


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

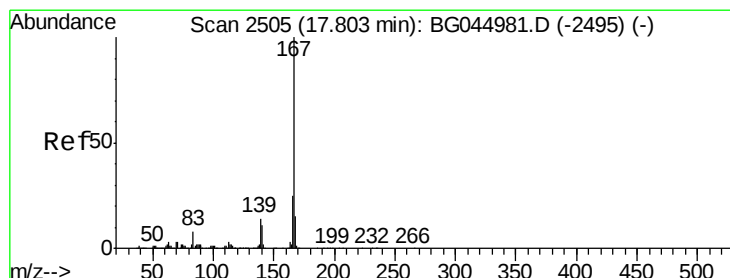
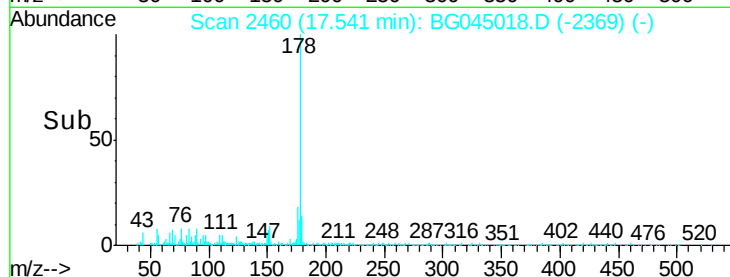
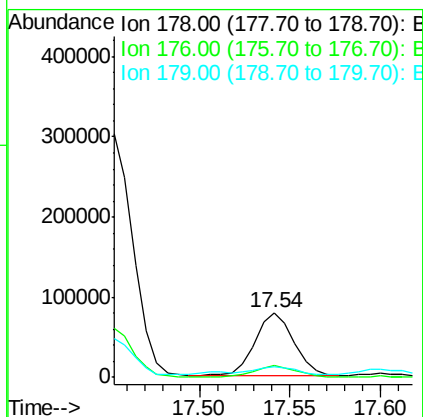
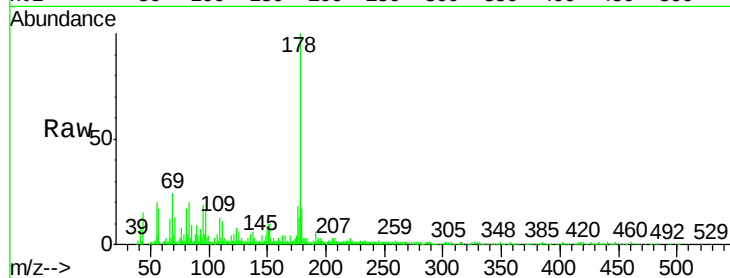




#72  
 Anthracene  
 Concen: 5.815 ng  
 RT: 17.54 min Scan# 2460  
 Delta R.T. 0.00 min  
 Lab File: BG045018.D  
 Acq: 16 Apr 2020 22:50

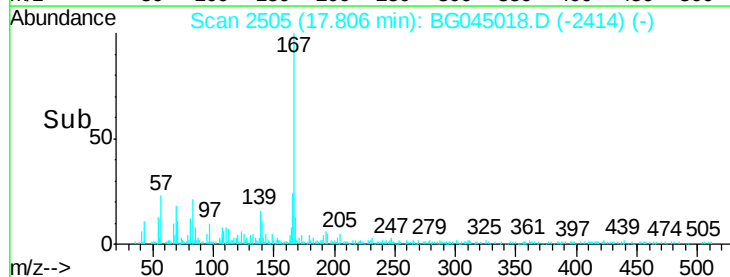
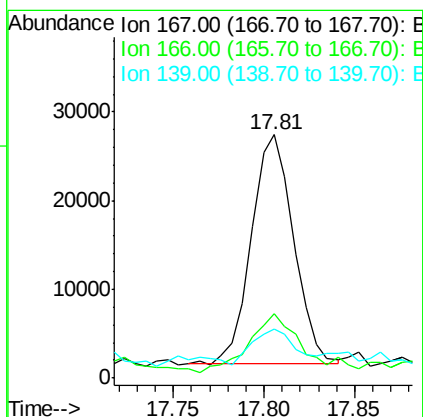
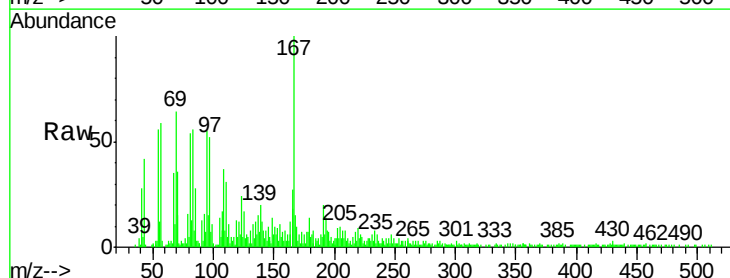
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-37-38-45-46

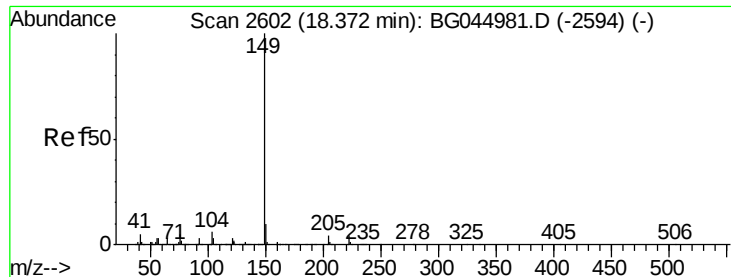
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.3  | 16.0  | 24.0  |
| 179     | 16.9  | 13.6  | 20.4  |



#73  
 Carbazole  
 Concen: 2.018 ng  
 RT: 17.81 min Scan# 2505  
 Delta R.T. 0.00 min  
 Lab File: BG045018.D  
 Acq: 16 Apr 2020 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 26.7  | 19.8  | 29.6  |
| 139     | 20.2  | 10.9  | 16.3  |

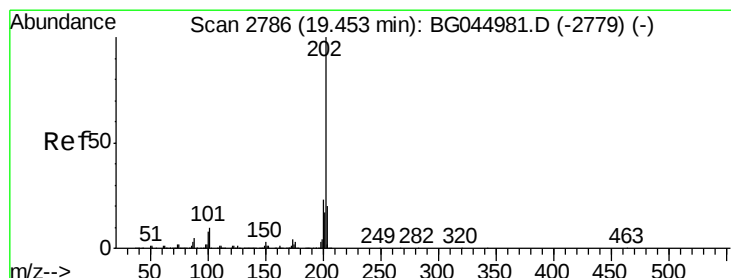
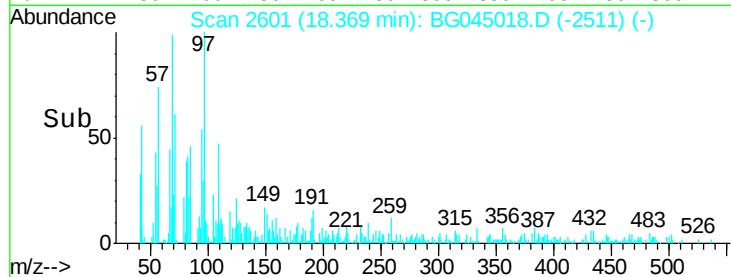
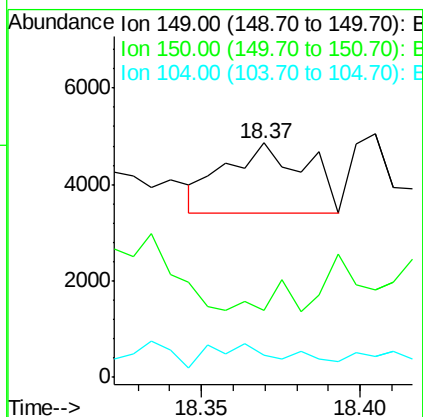
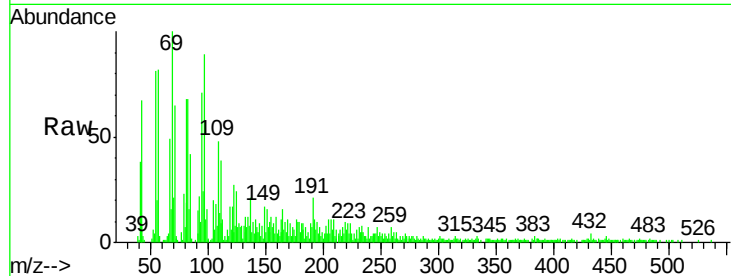




#74  
Di-n-butylphthalate  
Concen: Below Cal  
RT: 18.37 min Scan# 2601  
Delta R.T. -0.00 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

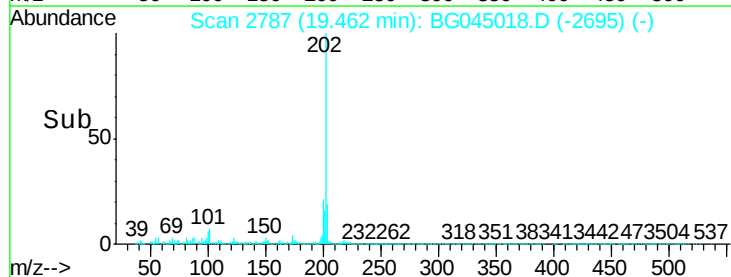
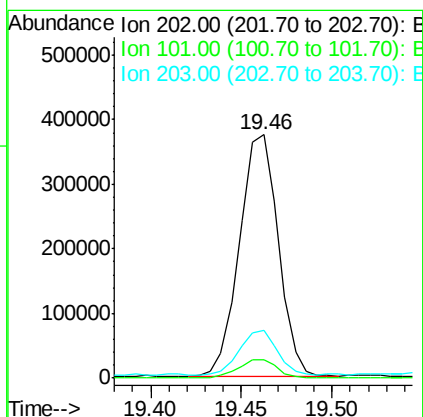
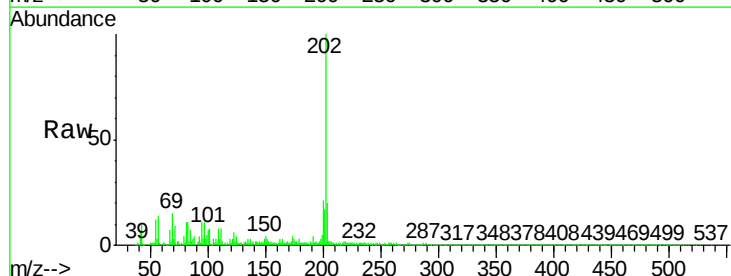
Instrument :  
BNA\_G  
ClientSampleId :  
TP-37-38-45-46

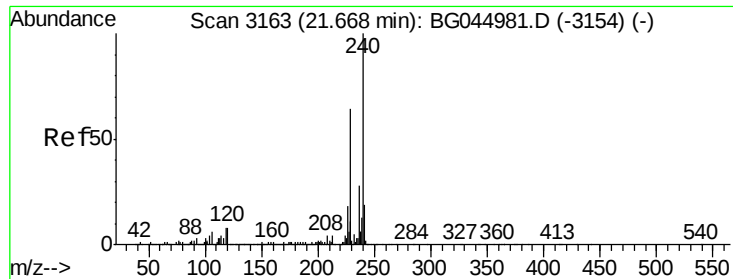
Tot Ion:149 Resp: 2565  
Ion Ratio Lower Upper  
149 100  
150 28.4 8.2 12.2#  
104 9.4 4.8 7.2#



#75  
Fluoranthene  
Concen: 19.816 ng  
RT: 19.46 min Scan# 2787  
Delta R.T. 0.01 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

Tgt Ion:202 Resp: 555317  
Ion Ratio Lower Upper  
202 100  
101 7.5 0.0 29.6  
203 19.5 0.0 39.7

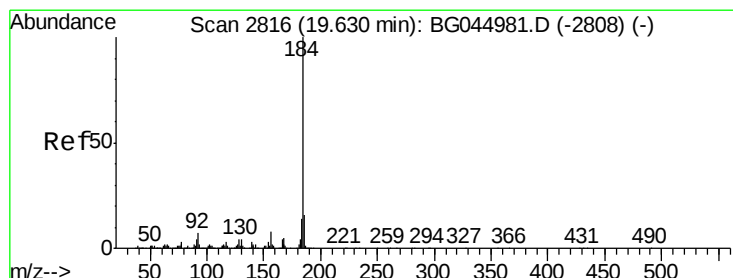
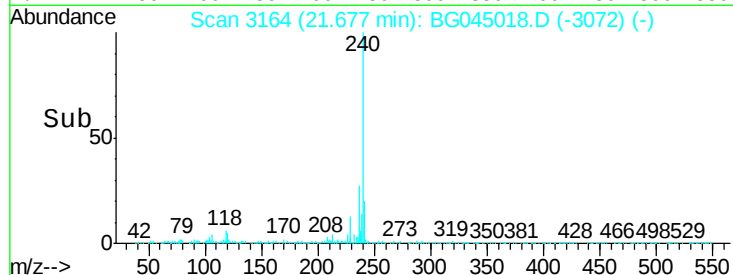
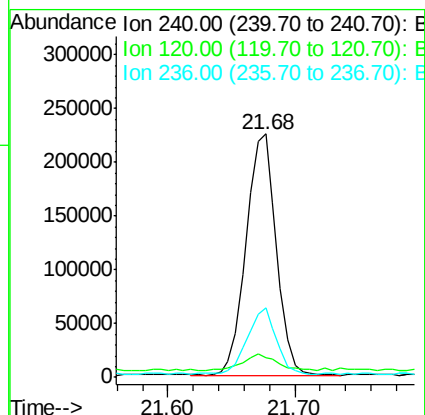
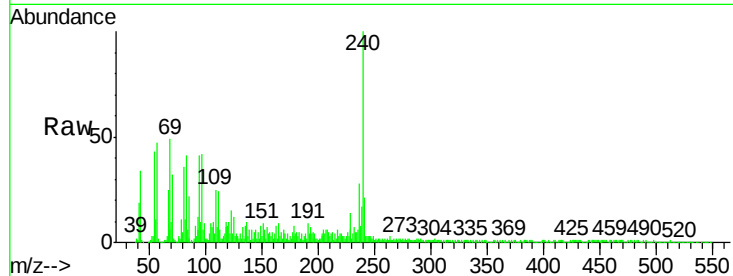




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.68 min Scan# 3164  
 Delta R.T. 0.01 min  
 Lab File: BG045018.D  
 Acq: 16 Apr 2020 22:50

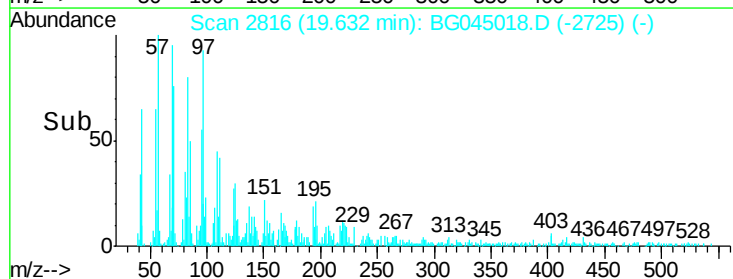
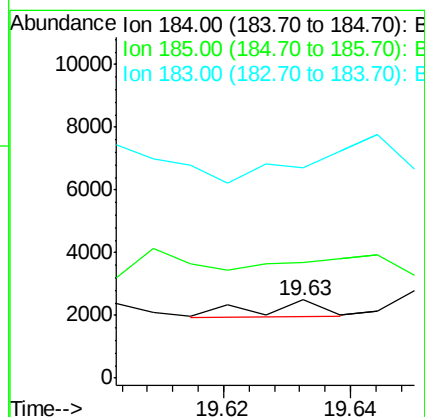
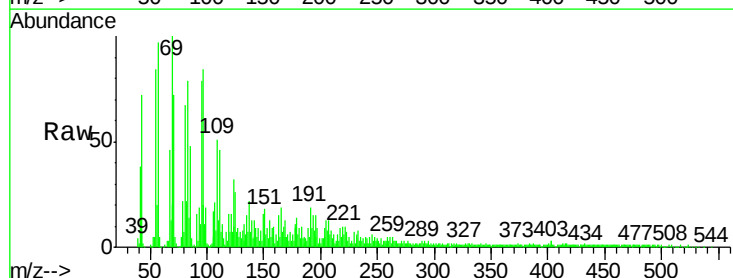
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-37-38-45-46

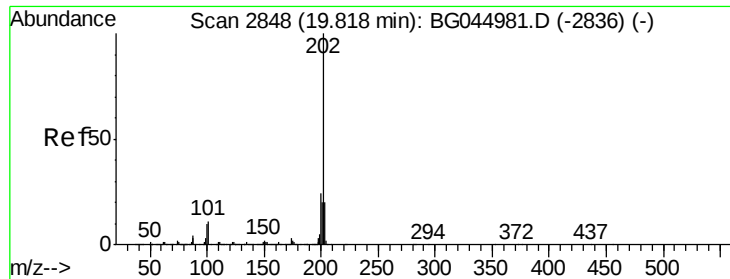
Tot Ion:240 Resp: 371604  
 Ion Ratio Lower Upper  
 240 100  
 120 8.0 6.6 10.0  
 236 28.5 22.2 33.2



#77  
 Benzidine  
 Concen: Below Cal  
 RT: 19.63 min Scan# 2816  
 Delta R.T. 0.00 min  
 Lab File: BG045018.D  
 Acq: 16 Apr 2020 22:50

Tgt Ion:184 Resp: 382  
 Ion Ratio Lower Upper  
 184 100  
 185 147.3 12.6 19.0#  
 183 268.1 11.3 16.9#

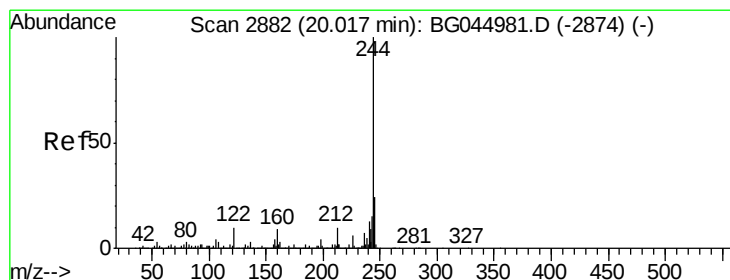
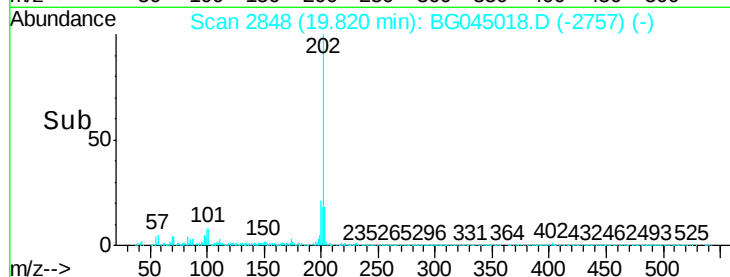
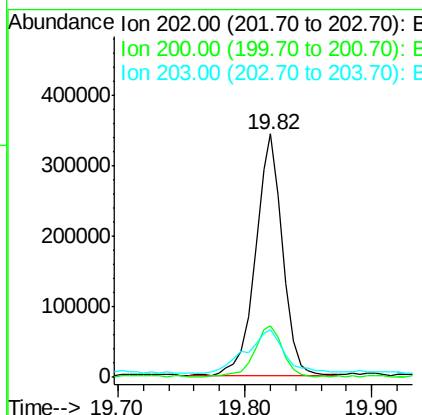
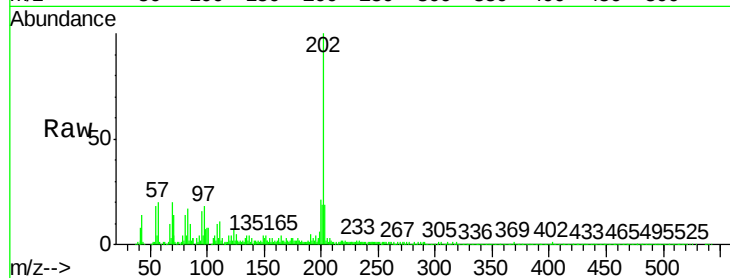




#78  
Pvrene  
Concen: 19.568 ng  
RT: 19.82 min Scan# 2848  
Delta R.T. 0.00 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

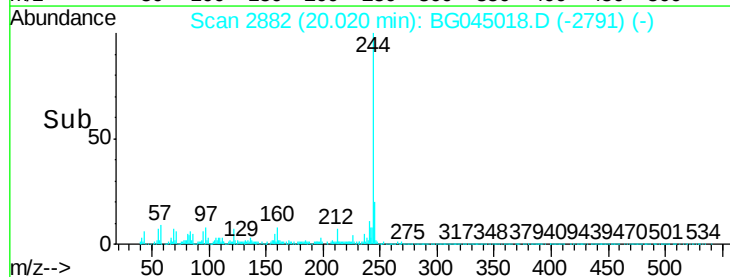
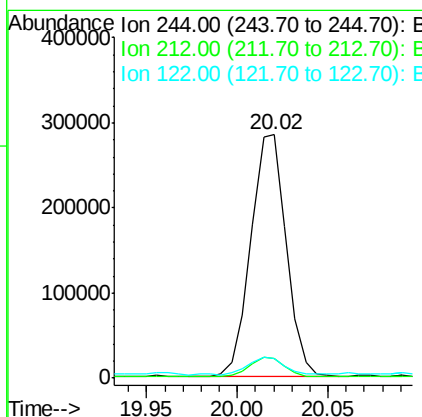
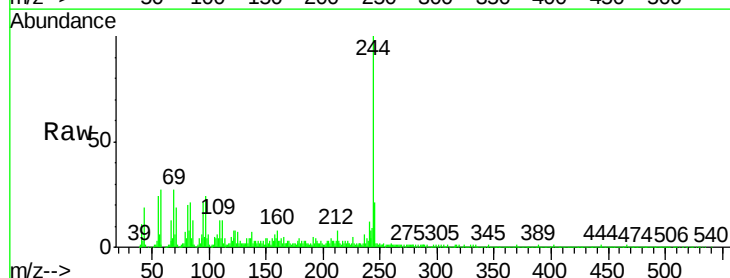
Instrument :  
BNA\_G  
ClientSampleId :  
TP-37-38-45-46

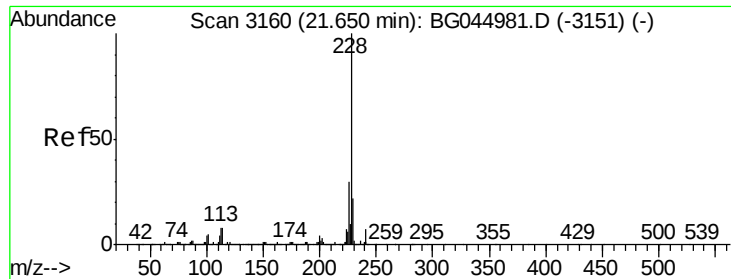
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 19.0  | 28.6  |
| 203     | 19.4  | 16.1  | 24.1  |



#79  
Terphenyl-d14  
Concen: 22.725 ng  
RT: 20.02 min Scan# 2882  
Delta R.T. 0.00 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.0   | 7.9   | 11.9  |
| 122     | 8.3   | 7.7   | 11.5  |





#81

Benzo(a)anthracene

Concen: 11.328 ng

RT: 21.65 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA\_G

ClientSampleId :

TP-37-38-45-46

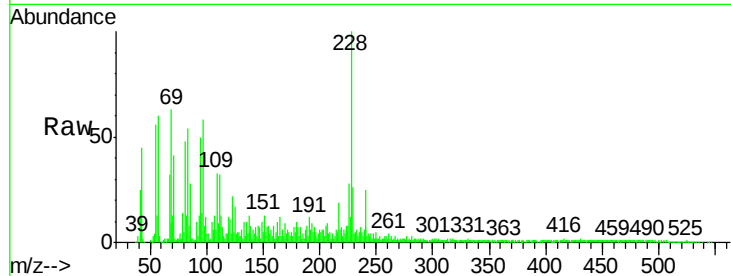
Tot Ion:228 Resp: 272848

Ion Ratio Lower Upper

228 100

226 27.7 24.0 36.0

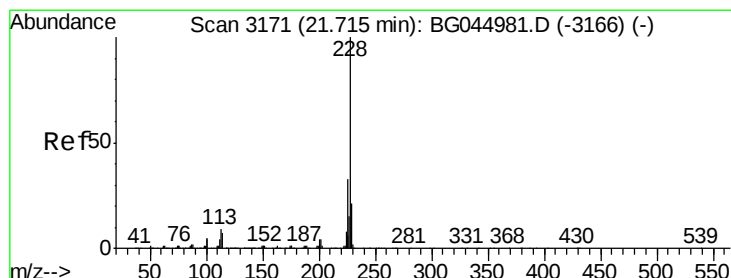
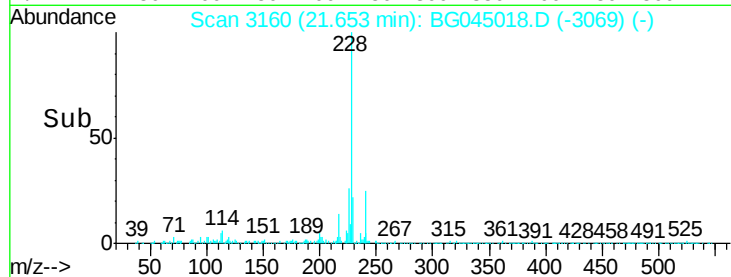
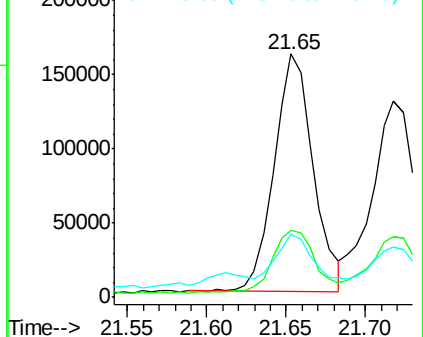
229 25.8 17.5 26.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 10.428 ng

RT: 21.72 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

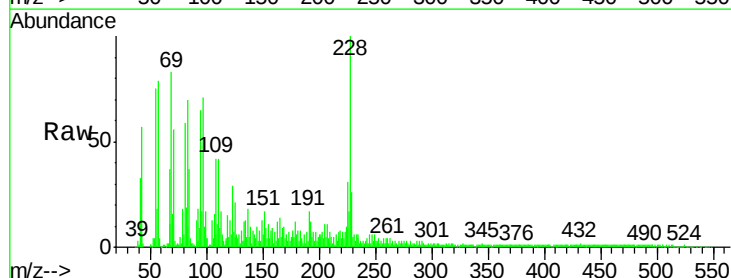
Tgt Ion:228 Resp: 241324

Ion Ratio Lower Upper

228 100

226 30.8 26.2 39.4

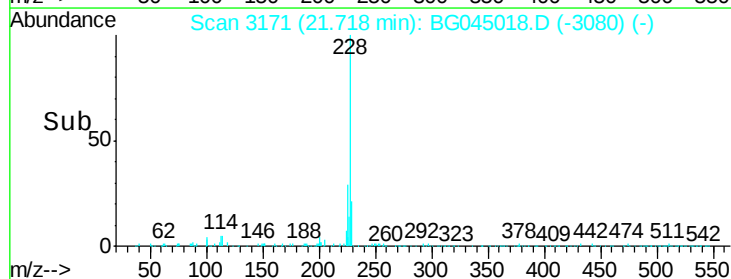
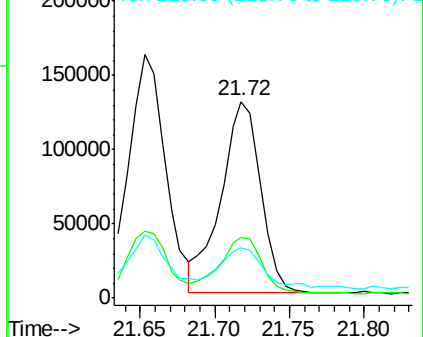
229 25.6 17.0 25.6#

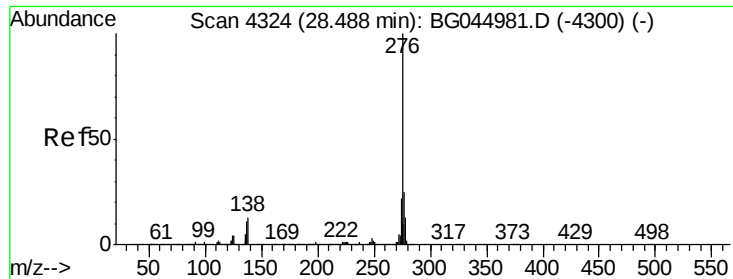


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.300 ng

RT: 28.49 min Scan# 4324

Delta R.T. 0.00 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

Instrument :

BNA\_G

ClientSampleId :

TP-37-38-45-46

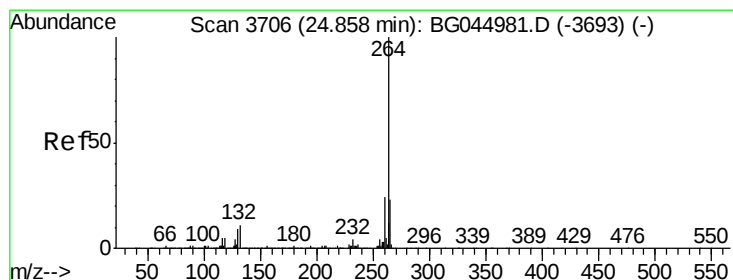
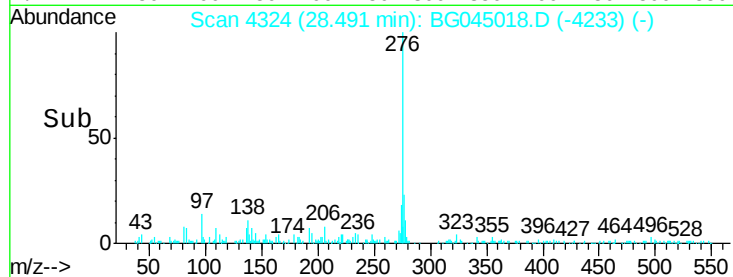
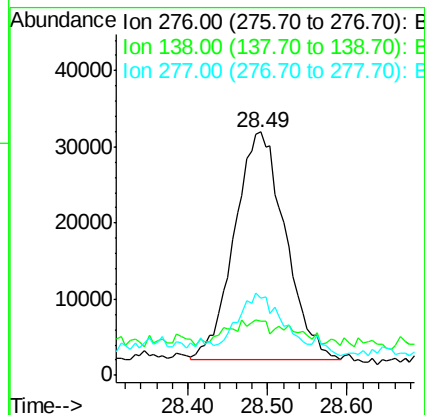
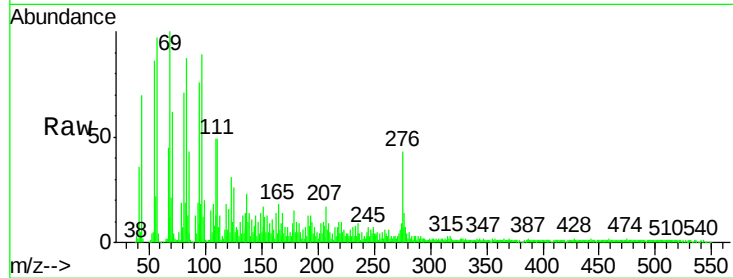
Tot Ion:276 Resp: 132131

Ion Ratio Lower Upper

276 100

138 9.1 9.6 14.4#

277 19.0 20.6 31.0#



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.87 min Scan# 3707

Delta R.T. 0.01 min

Lab File: BG045018.D

Acq: 16 Apr 2020 22:50

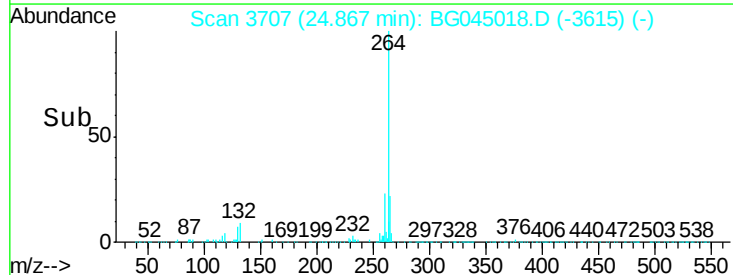
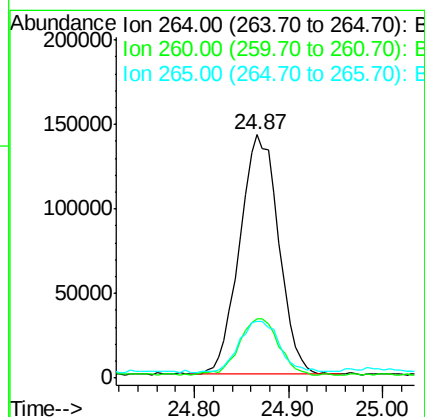
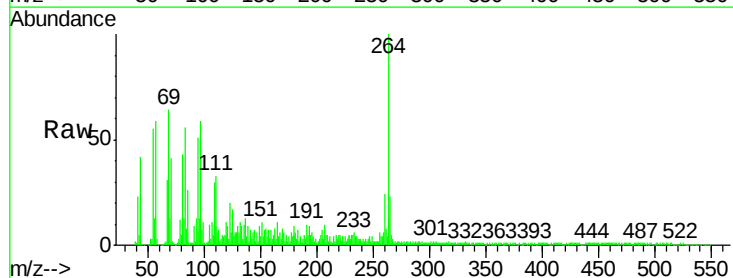
Tgt Ion:264 Resp: 406468

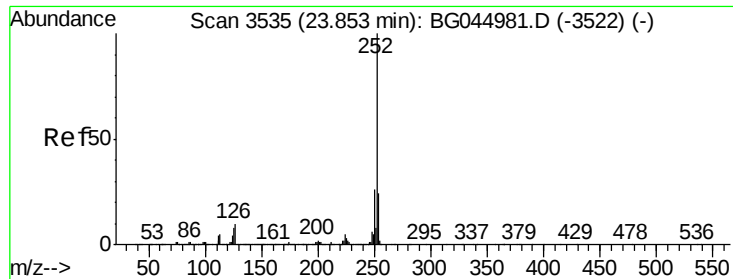
Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 23.3 19.0 28.4

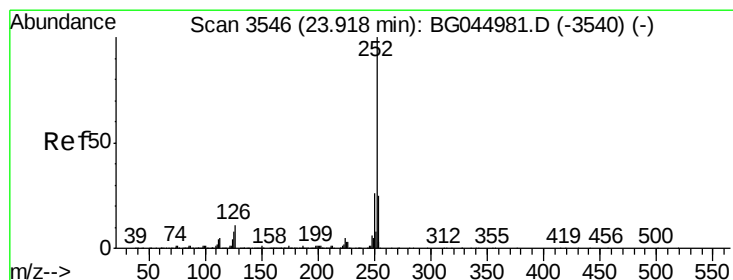
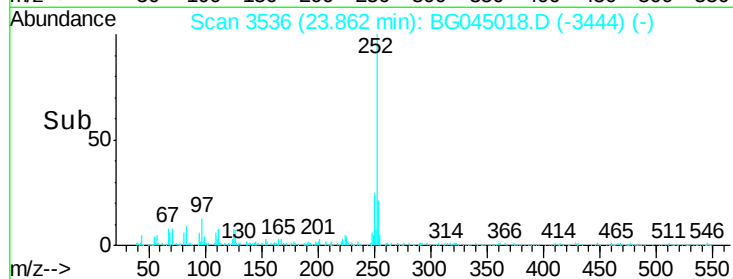
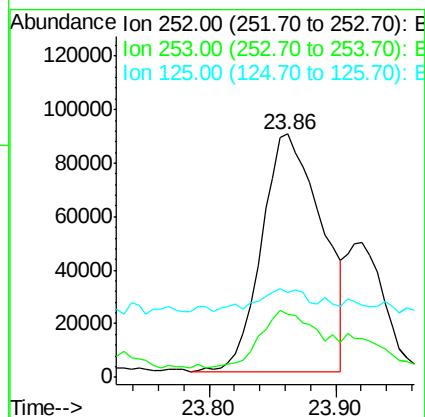
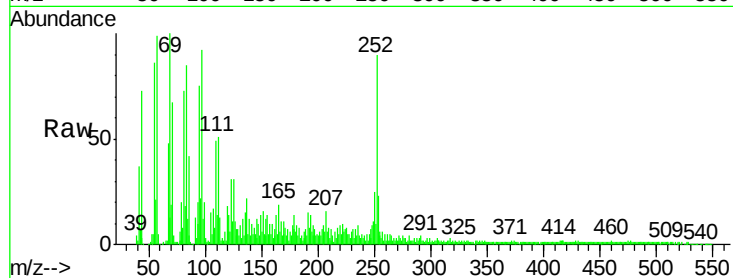




#88  
Benzo(b)fluoranthene  
Concen: 11.524 ng  
RT: 23.86 min Scan# 3536  
Delta R.T. 0.01 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

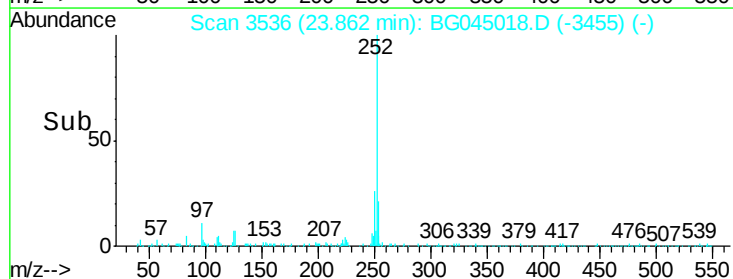
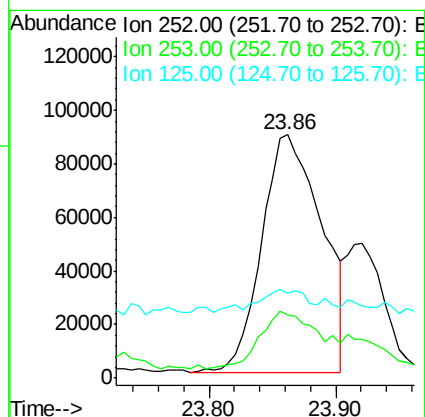
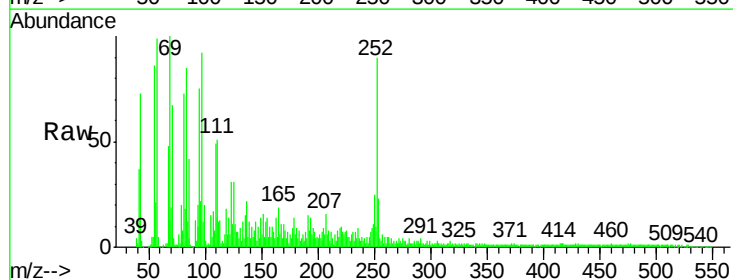
Instrument :  
BNA\_G  
ClientSampleId :  
TP-37-38-45-46

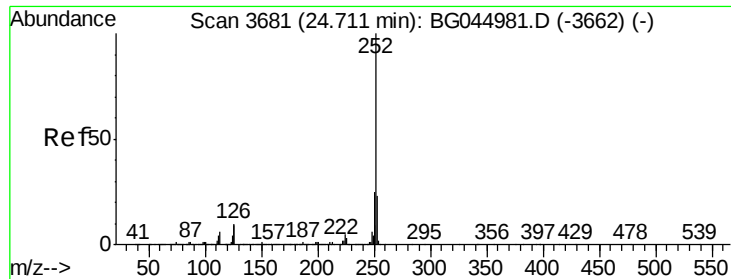
Tot Ion:252 Resp: 293416  
Ion Ratio Lower Upper  
252 100  
253 25.9 18.8 28.2  
125 35.0 6.2 9.4#



#89  
Benzo(k)fluoranthene  
Concen: 12.118 ng  
RT: 23.86 min Scan# 3536  
Delta R.T. -0.06 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

Tgt Ion:252 Resp: 293416  
Ion Ratio Lower Upper  
252 100  
253 25.9 19.2 28.8  
125 35.0 5.9 8.9#

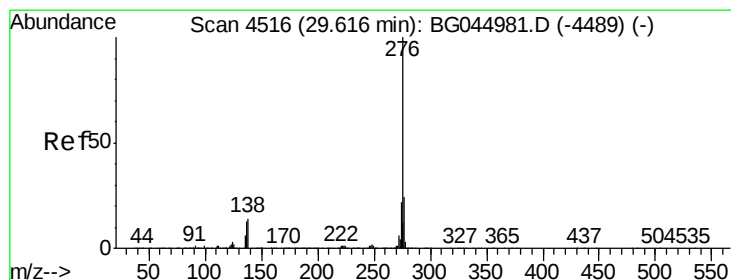
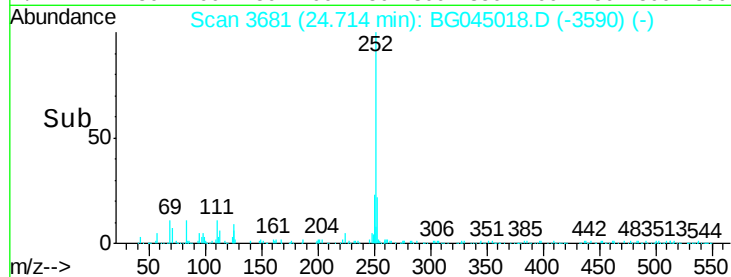
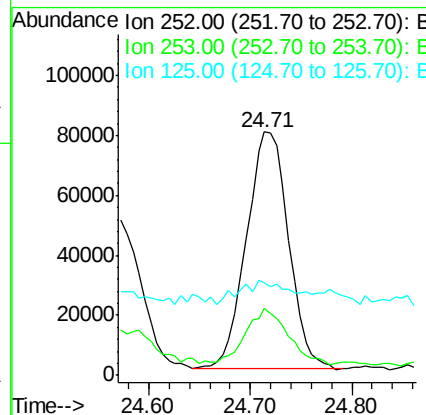
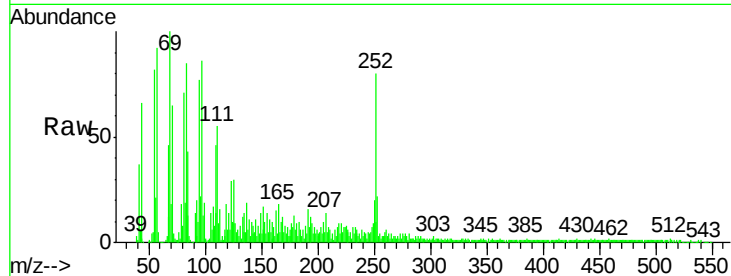




#90  
Benzo(a)pyrene  
Concen: 9.436 ng  
RT: 24.71 min Scan# 3681  
Delta R.T. 0.00 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

Instrument :  
BNA\_G  
ClientSampleId :  
TP-37-38-45-46

Tot Ion:252 Resp: 226827  
Ion Ratio Lower Upper  
252 100  
253 27.5 18.3 27.5  
125 37.9 7.0 10.6#



#92  
Benzo(g,h,i)perylene  
Concen: 5.235 ng  
RT: 29.62 min Scan# 4517  
Delta R.T. 0.01 min  
Lab File: BG045018.D  
Acq: 16 Apr 2020 22:50

Tgt Ion:276 Resp: 127121  
Ion Ratio Lower Upper  
276 100  
277 30.4 19.3 28.9#  
138 23.9 11.4 17.2#

