

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092319\  
 Data File : BG042918.D  
 Acq On : 23 Sep 2019 18:04  
 Operator : HP/JU  
 Sample : K4839-06DL 5X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PT-ACIDS-WP DL

Quant Time: Sep 24 02:02:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 23 06:01:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.08  | 152  | 58820    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.88 | 136  | 226448   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.70 | 164  | 159115   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.44 | 188  | 382944   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.71 | 240  | 425856   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.94 | 264  | 477163   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.67  | 112  | 110109   | 32.45 | ng    | 0.00     |
| 7) Phenol-d6                | 7.25  | 99   | 164790   | 33.65 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.24  | 82   | 103947   | 22.39 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.18 | 330  | 84277    | 33.59 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.32 | 172  | 269273   | 24.83 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.05 | 244  | 549785   | 26.27 | ng    | 0.00     |

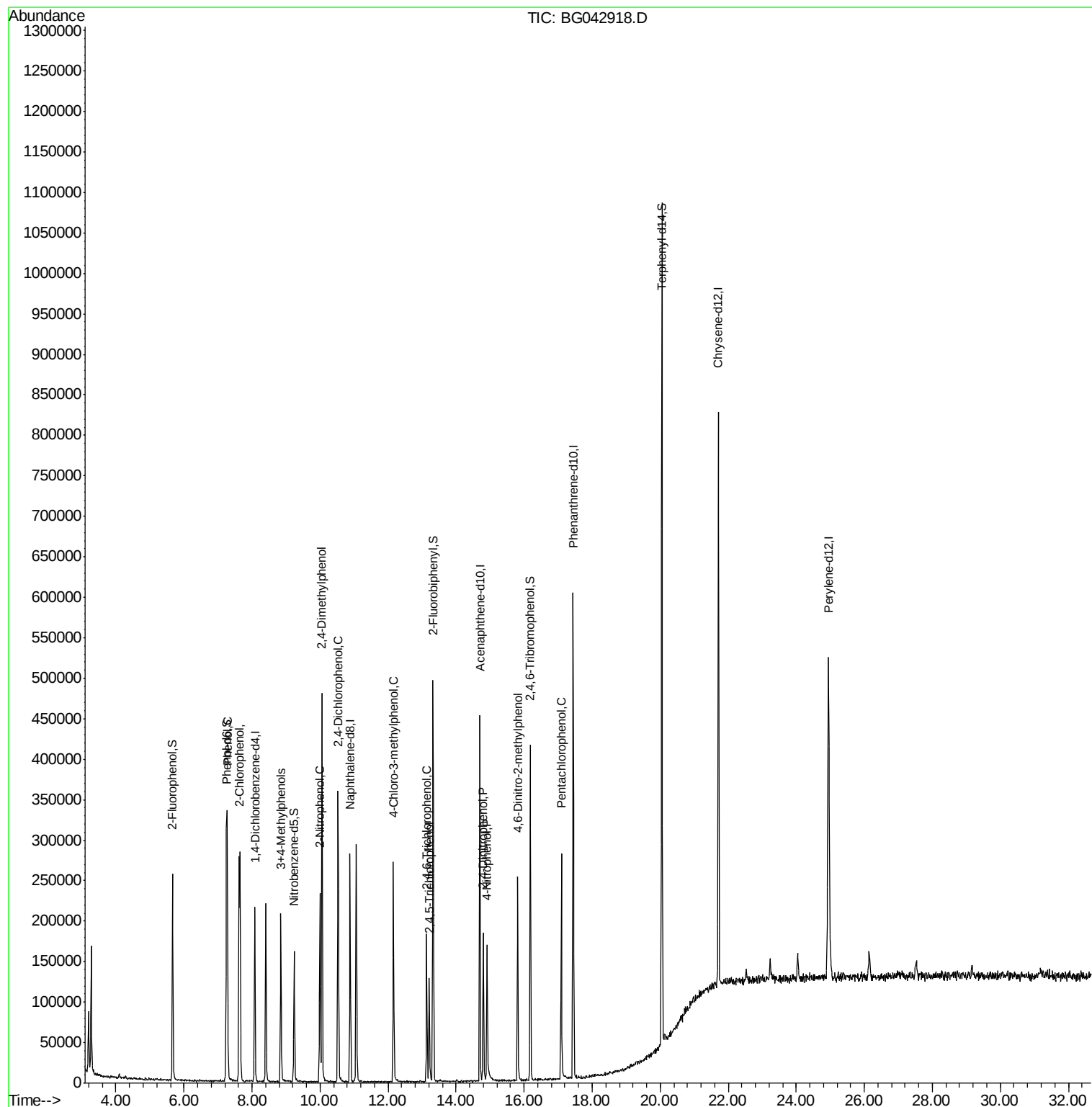
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 8) 2-Chlorophenol              | 7.65  | 128  | 115957   | 33.379 | ng    | 96     |
| 10) Phenol                     | 7.28  | 94   | 165482   | 36.247 | ng    | 96     |
| 20) 3+4-Methylphenols          | 8.85  | 107  | 95769    | 22.119 | ng    | 90     |
| 26) 2-Nitrophenol              | 10.00 | 139  | 71139    | 38.370 | ng    | 97     |
| 27) 2,4-Dimethylphenol         | 10.06 | 122  | 133139   | 45.973 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 10.53 | 162  | 136308   | 38.635 | ng    | 92     |
| 36) 4-Chloro-3-methylphenol    | 12.16 | 107  | 99356    | 25.432 | ng    | 96     |
| 43) 2,4,6-Trichlorophenol      | 13.14 | 196  | 47531    | 13.796 | ng    | 97     |
| 44) 2,4,5-Trichlorophenol      | 13.21 | 196  | 42996    | 12.091 | ng    | 99     |
| 54) 2,4-Dinitrophenol          | 14.80 | 184  | 47732    | 32.665 | ng    | 94     |
| 56) 4-Nitrophenol              | 14.91 | 139  | 43176    | 21.747 | ng    | 90     |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198  | 63569    | 31.344 | ng    | 94     |
| 70) Pentachlorophenol          | 17.09 | 266  | 59193    | 19.812 | ng    | 95     |

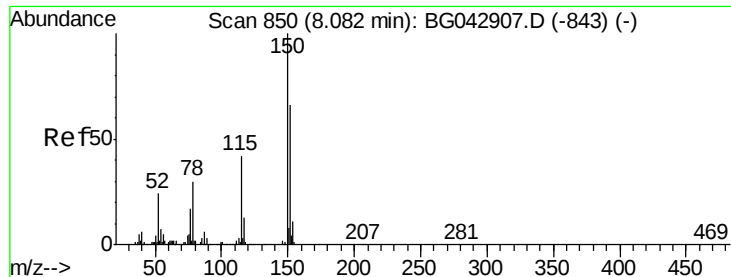
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092319\  
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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 23 06:01:34 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.08 min Scan# 850

Delta R.T. -0.00 min

Lab File: BG042918.D

Acq: 23 Sep 2019 18:04

Instrument :

BNA\_G

ClientSampleId :

PT-ACIDS-WP DL

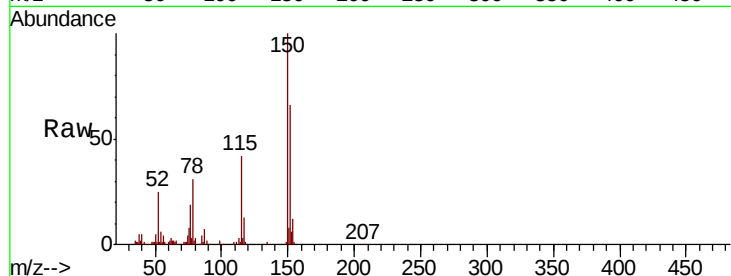
Tot Ion:152 Resp: 58820

Ion Ratio Lower Upper

152 100

150 150.8 121.4 182.2

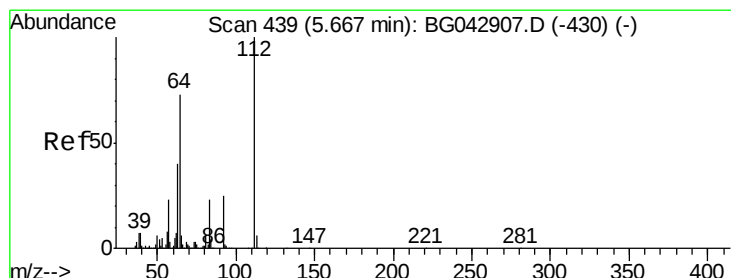
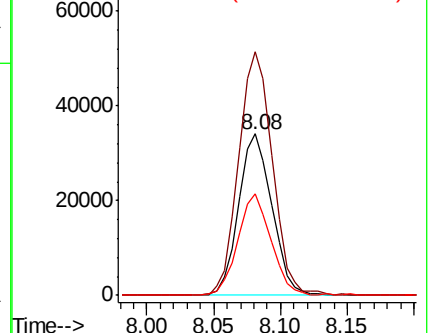
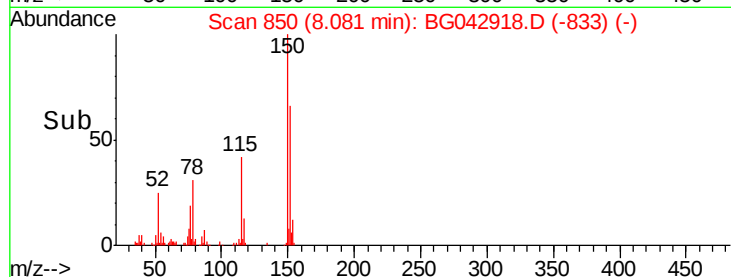
115 63.2 50.7 76.1



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: 32.455 ng

RT: 5.67 min Scan# 439

Delta R.T. -0.00 min

Lab File: BG042918.D

Acq: 23 Sep 2019 18:04

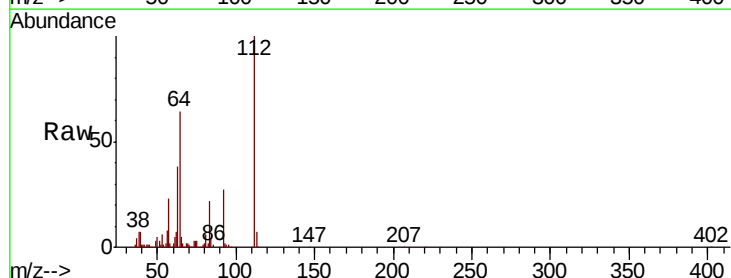
Tgt Ion:112 Resp: 110109

Ion Ratio Lower Upper

112 100

64 63.6 58.6 87.8

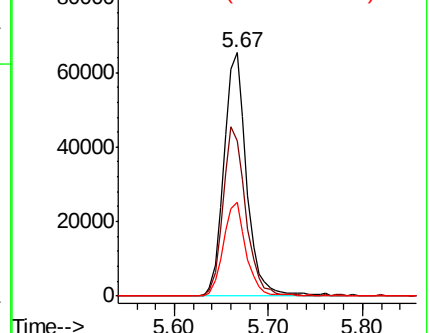
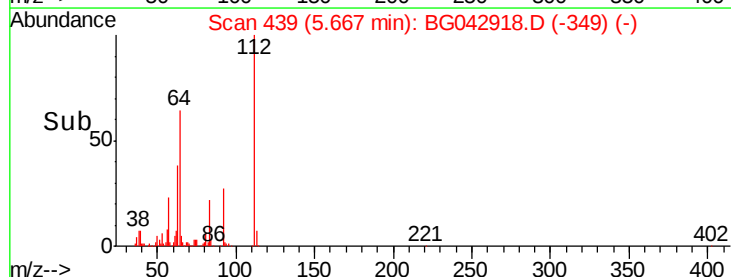
63 38.4 31.6 47.4

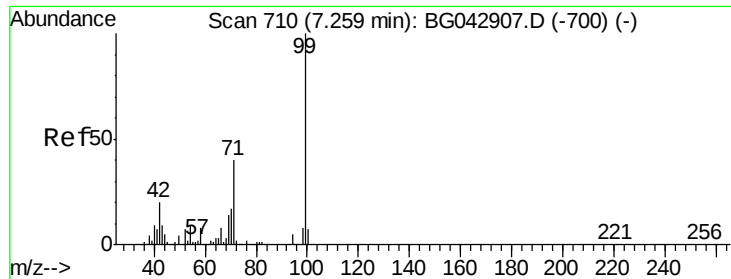


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 33.646 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG042918.D

Acq: 23 Sep 2019 18:04

Instrument :

BNA\_G

ClientSampleId :

PT-ACIDS-WP DL

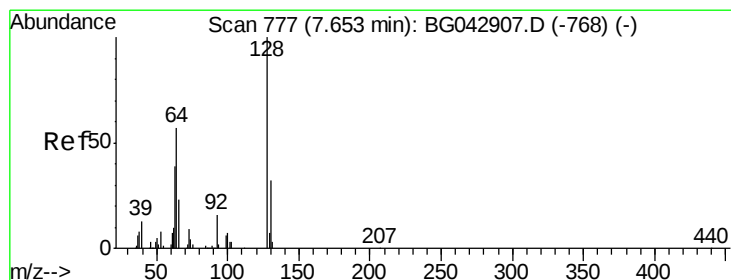
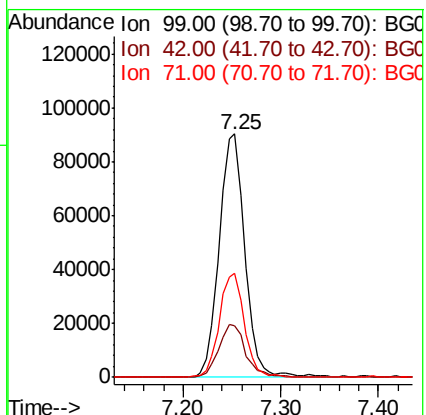
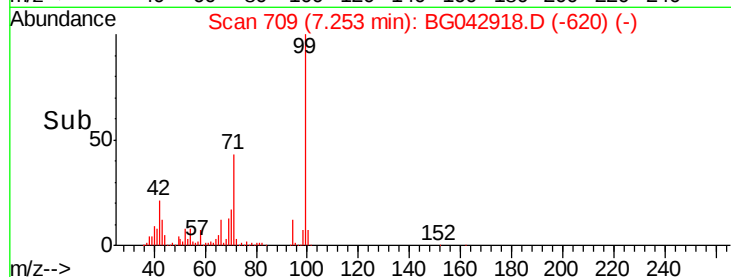
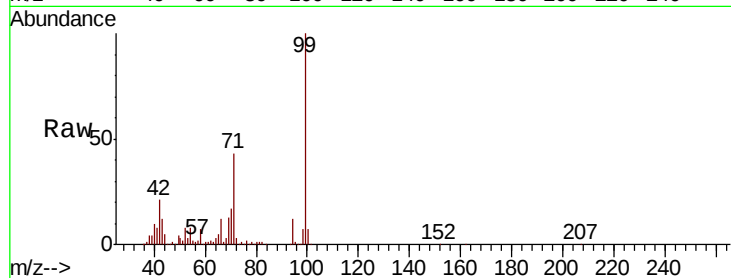
Tot Ion: 99 Resp: 164790

Ion Ratio Lower Upper

99 100

42 21.0 15.8 23.6

71 43.0 32.2 48.2



#8

2-Chlorophenol

Concen: 33.379 ng

RT: 7.65 min Scan# 776

Delta R.T. -0.01 min

Lab File: BG042918.D

Acq: 23 Sep 2019 18:04

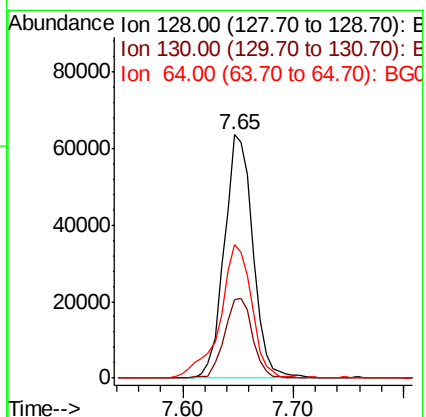
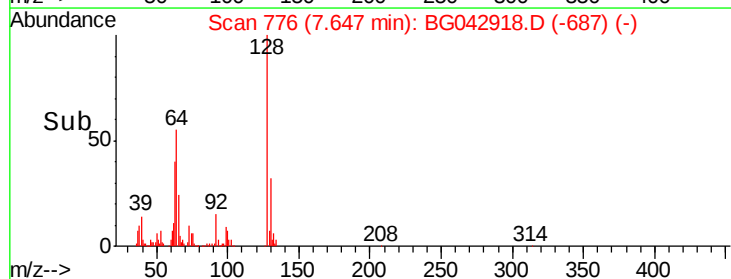
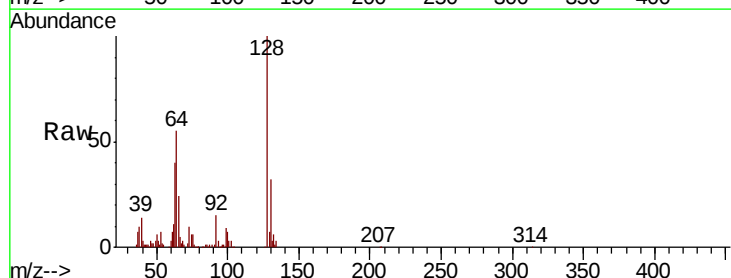
Tgt Ion: 128 Resp: 115957

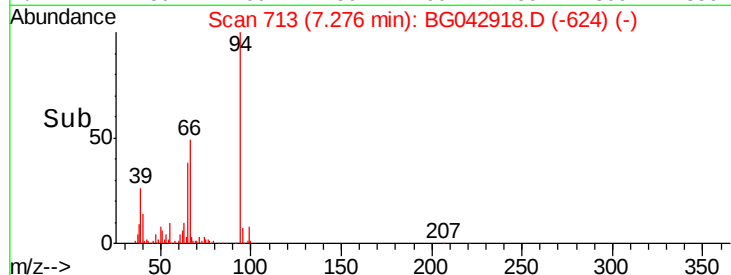
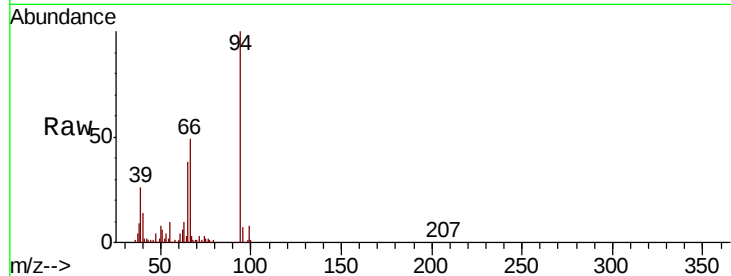
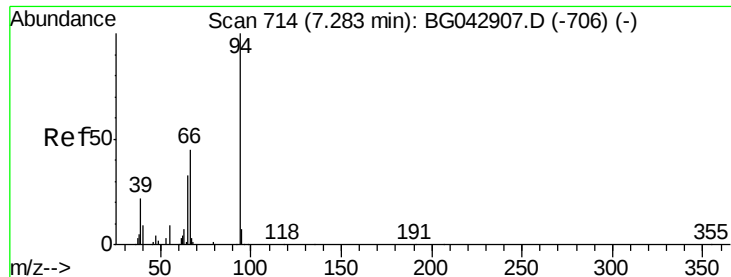
Ion Ratio Lower Upper

128 100

130 32.4 11.5 51.5

64 55.0 38.7 78.7





#10

Phenol

Concen: 36.247 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BG042918.D

Acq: 23 Sep 2019 18:04

Instrument :

BNA\_G

ClientSampleId :

PT-ACIDS-WP DL

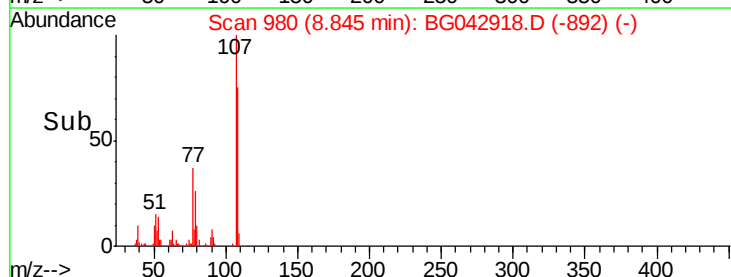
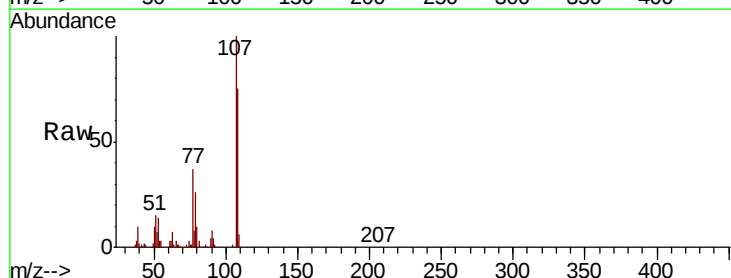
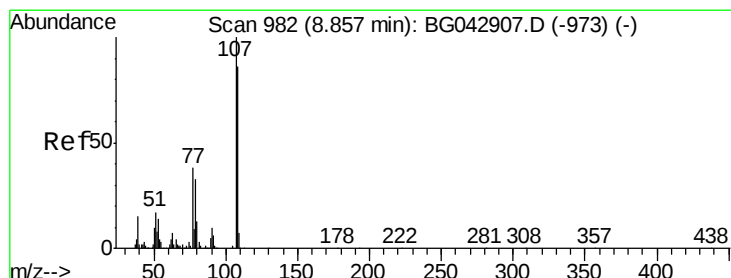
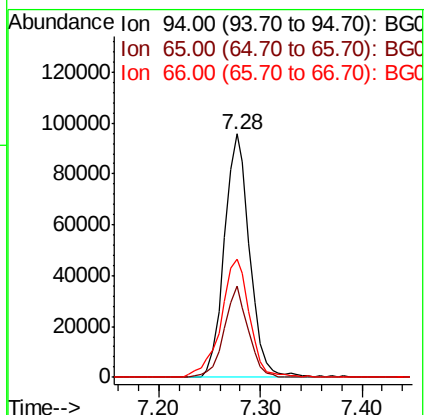
Tot Ion: 94 Resp: 165482

Ion Ratio Lower Upper

94 100

65 37.5 13.7 53.7

66 48.6 27.4 67.4



#20

3+4-Methylphenols

Concen: 22.119 ng

RT: 8.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BG042918.D

Acq: 23 Sep 2019 18:04

Tgt Ion:107 Resp: 95769

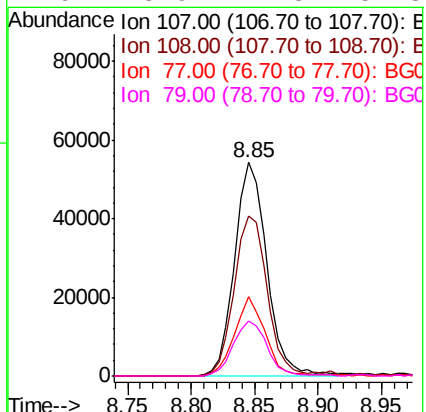
Ion Ratio Lower Upper

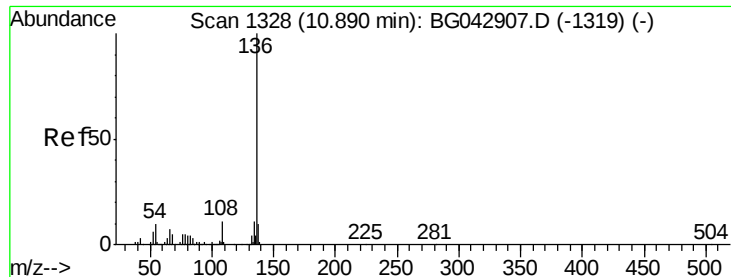
107 100

108 74.7 66.2 106.2

77 37.1 18.0 58.0

79 25.9 12.8 52.8

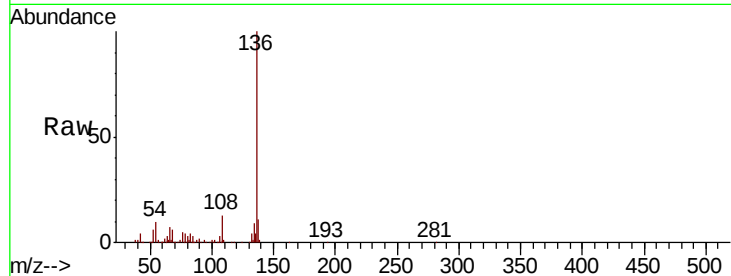




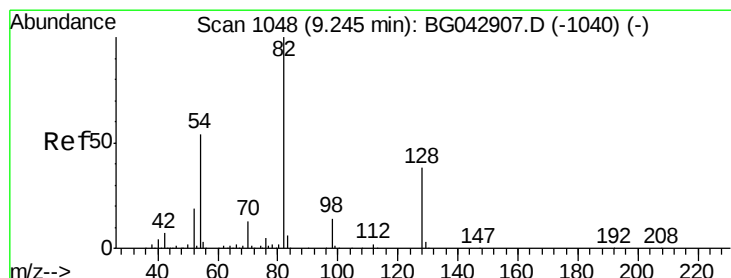
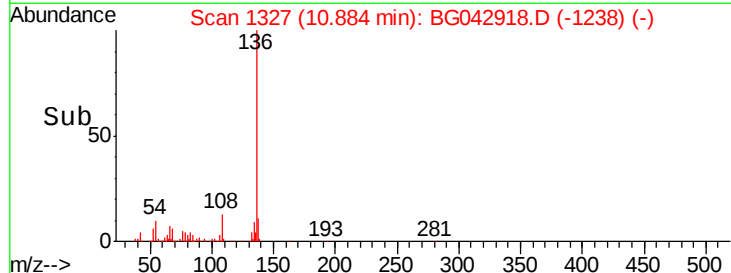
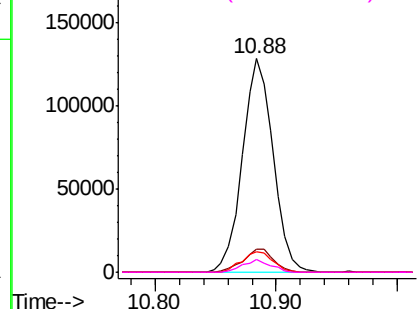
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.88 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

Instrument :  
BNA\_G  
ClientSampleId :  
PT-ACIDS-WP DL

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 226448 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.8    | 8.2   | 12.2   |
| 54 9.7      | 8.2   | 12.2   |
| 68 5.7      | 4.3   | 6.5    |

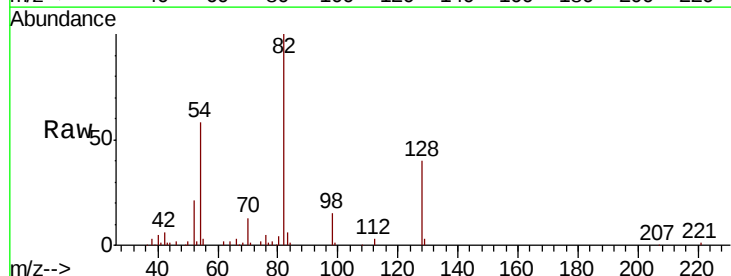


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

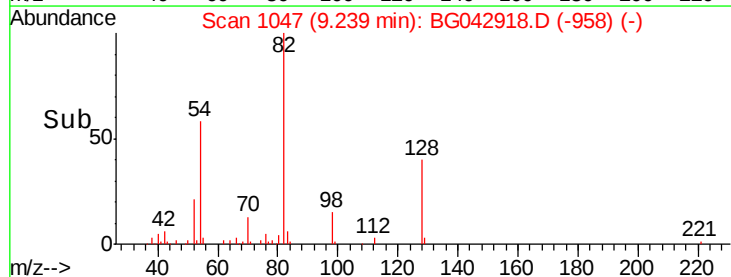
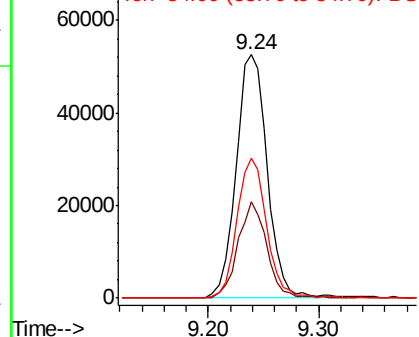


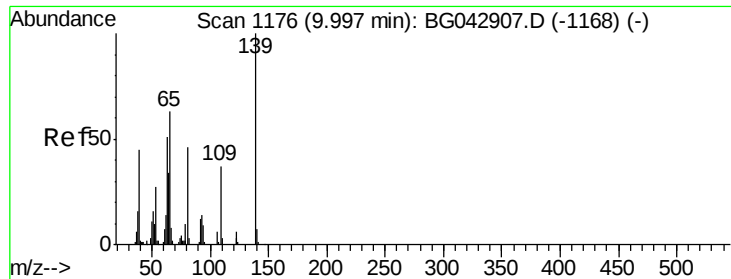
#23  
Nitrobenzene-d5  
Concen: 22.393 ng  
RT: 9.24 min Scan# 1047  
Delta R.T. -0.01 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 103947 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 39.5    | 30.4 45.6    |
| 54 57.7     | 43.4 65.0    |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC

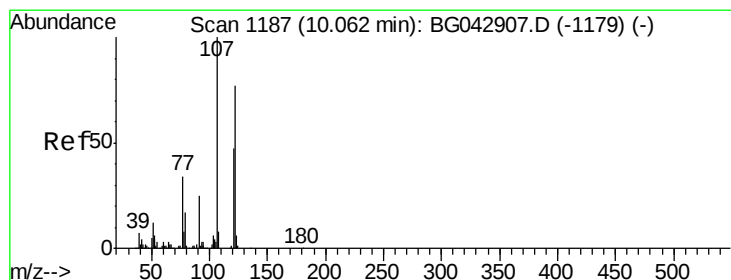
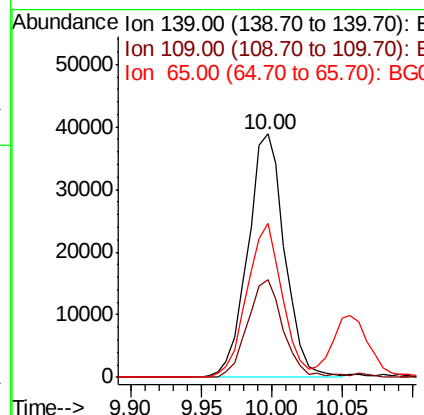
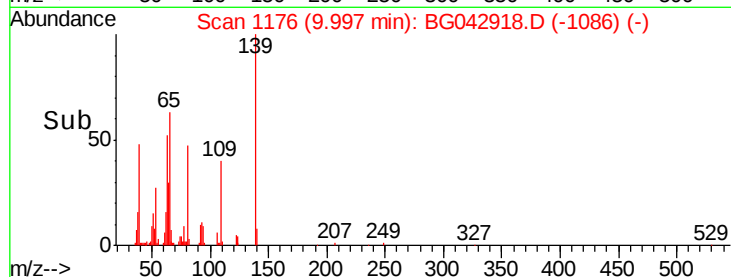
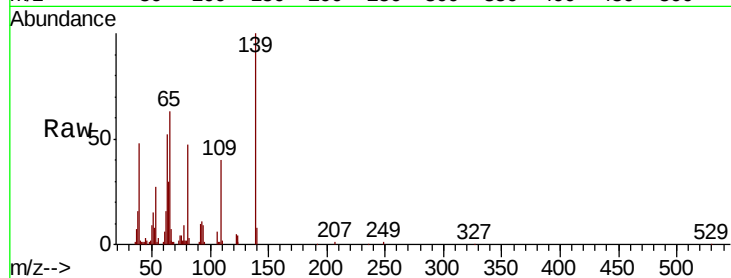




#26  
2-Nitrophenol  
Concen: 38.370 ng  
RT: 10.00 min Scan# 1176  
Delta R.T. -0.00 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

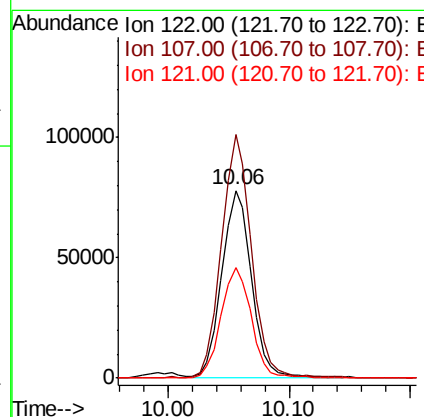
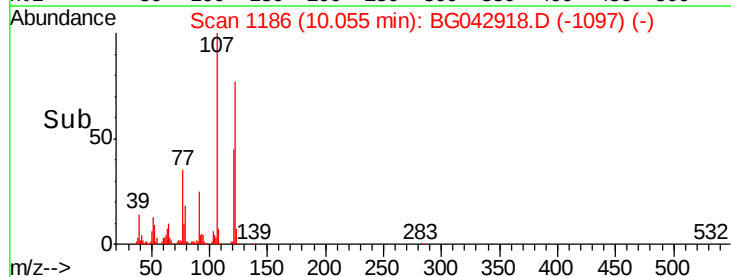
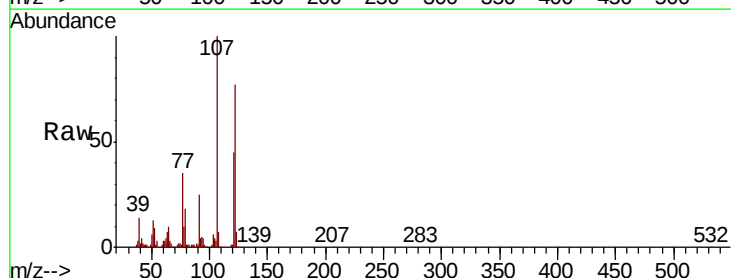
Instrument :  
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PT-ACIDS-WP DL

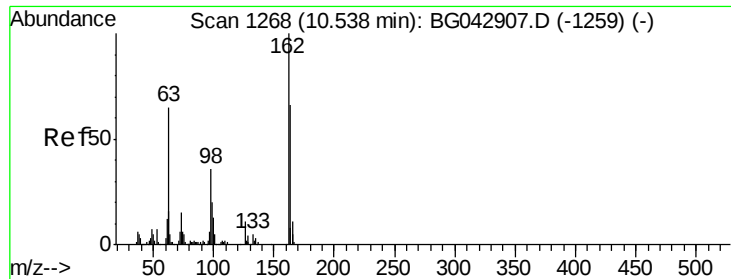
Tot Ion:139 Resp: 71139  
Ion Ratio Lower Upper  
139 100  
109 40.3 29.3 43.9  
65 63.1 51.1 76.7



#27  
2,4-Dimethylphenol  
Concen: 45.973 ng  
RT: 10.06 min Scan# 1186  
Delta R.T. -0.01 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

Tgt Ion:122 Resp: 133139  
Ion Ratio Lower Upper  
122 100  
107 129.7 103.3 154.9  
121 59.0 48.5 72.7

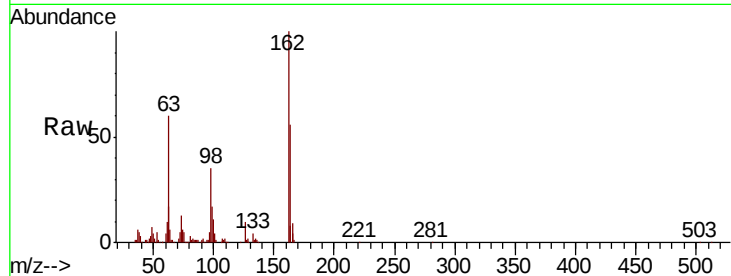




#29  
2,4-Dichlorophenol  
Concen: 38.635 ng  
RT: 10.53 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

Instrument :  
BNA\_G  
ClientSampleId :  
PT-ACIDS-WP DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 56.2  | 45.9  | 85.9  |
| 98      | 35.0  | 15.7  | 55.7  |

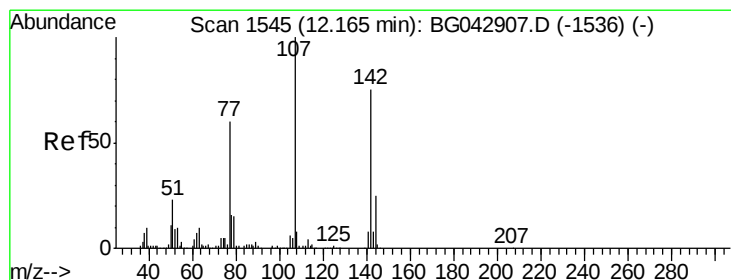
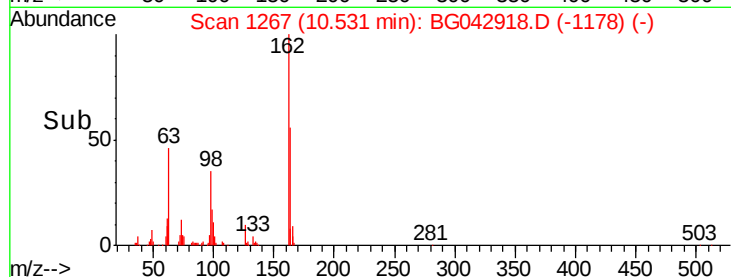
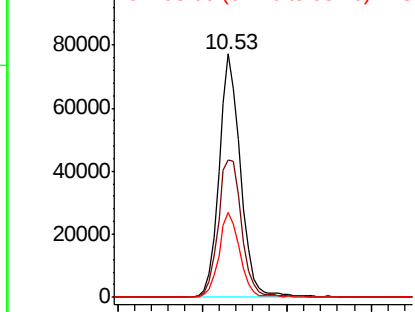


Abundance

Ion 162.00 (161.70 to 162.70): E

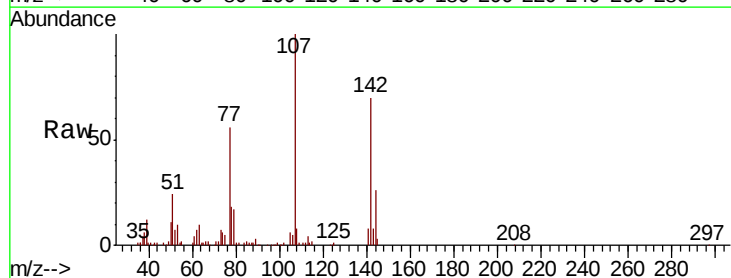
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#36  
4-Chloro-3-methylphenol  
Concen: 25.432 ng  
RT: 12.16 min Scan# 1544  
Delta R.T. -0.01 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.7  | 20.3  | 30.5  |
| 142     | 70.2  | 59.8  | 89.8  |

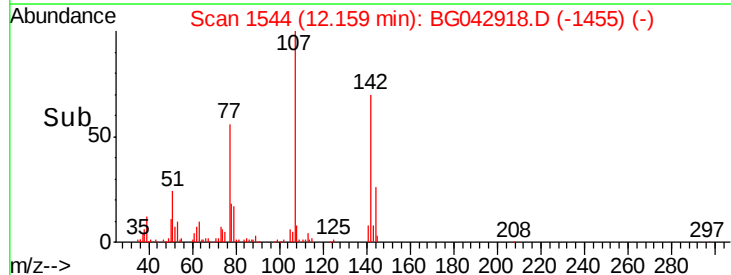
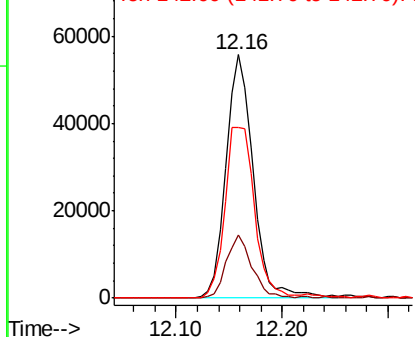


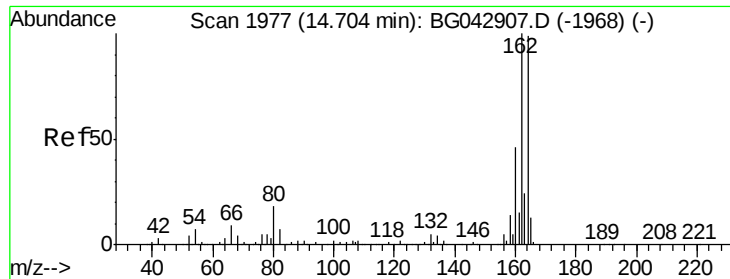
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG042918.D

Acq: 23 Sep 2019 18:04

Instrument :

BNA\_G

ClientSampleId :

PT-ACIDS-WP DL

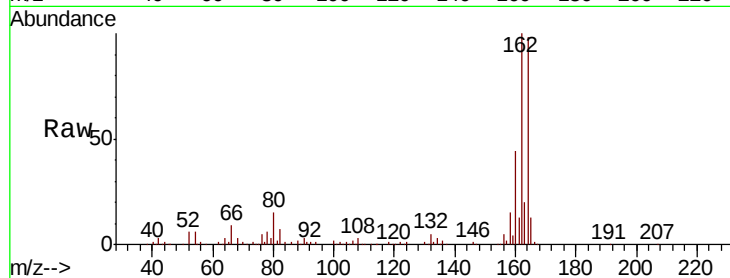
Tot Ion:164 Resp: 159115

Ion Ratio Lower Upper

164 100

162 102.1 81.2 121.8

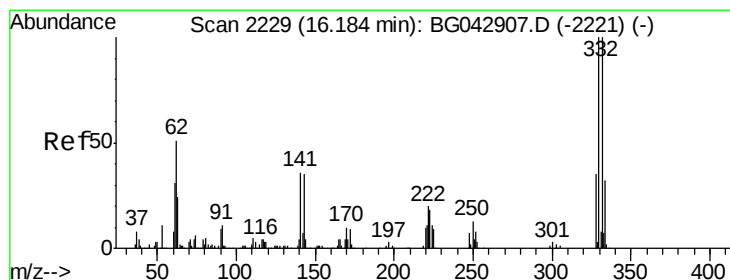
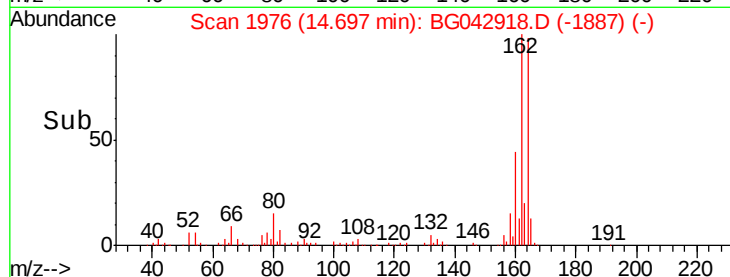
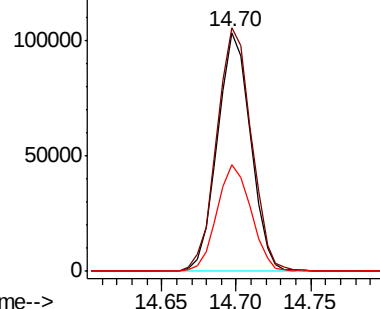
160 44.4 37.0 55.6



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: 33.585 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG042918.D

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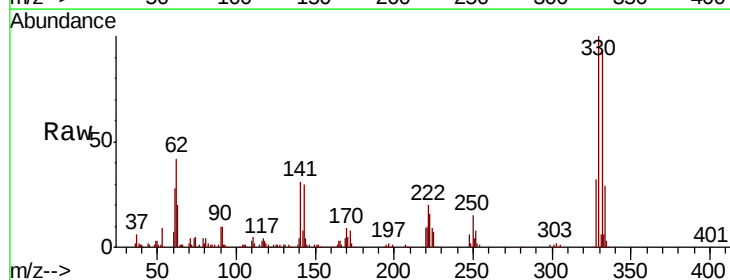
Tgt Ion:330 Resp: 84277

Ion Ratio Lower Upper

330 100

332 95.4 77.4 116.2

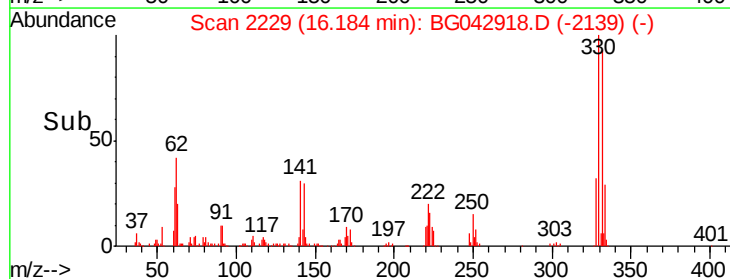
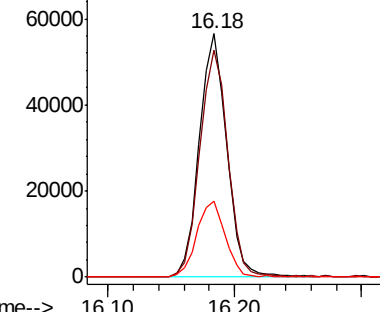
141 32.4 26.5 39.7

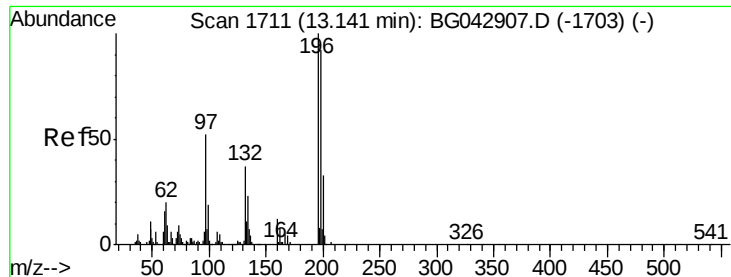


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

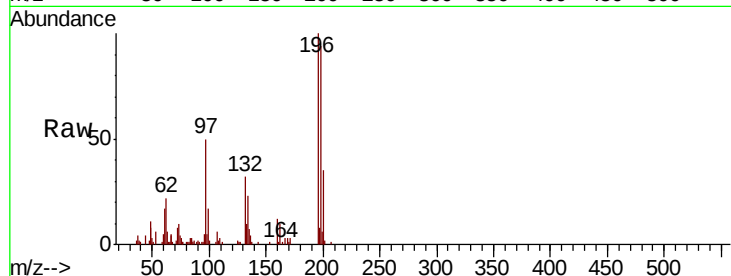




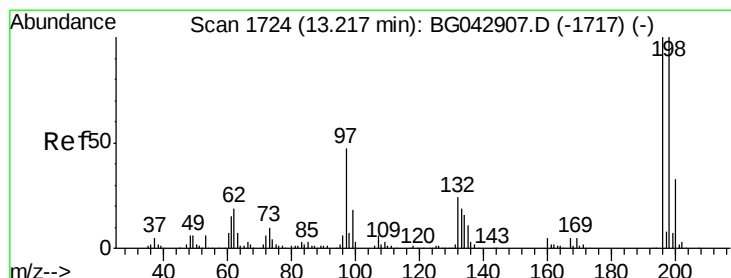
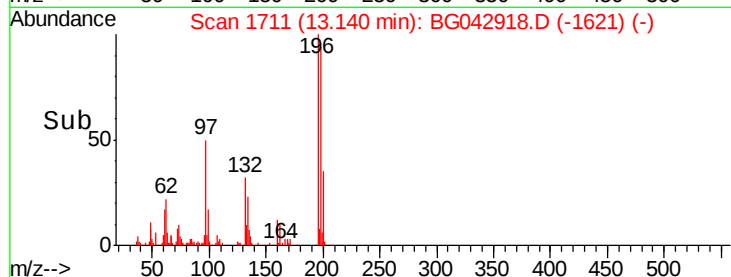
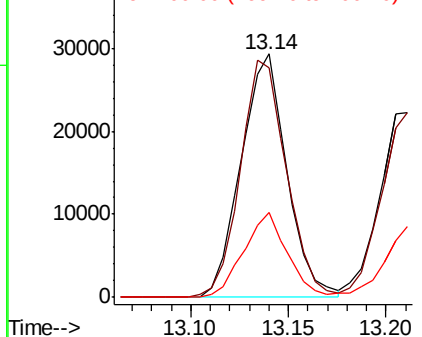
#43  
 2,4,6-Trichlorophenol  
 Concen: 13.796 ng  
 RT: 13.14 min Scan# 1711  
 Delta R.T. -0.00 min  
 Lab File: BG042918.D  
 Acq: 23 Sep 2019 18:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PT-ACIDS-WP DL

Tot Ion:196 Resp: 47531  
 Ion Ratio Lower Upper  
 196 100  
 198 94.1 73.5 110.3  
 200 34.9 26.0 39.0

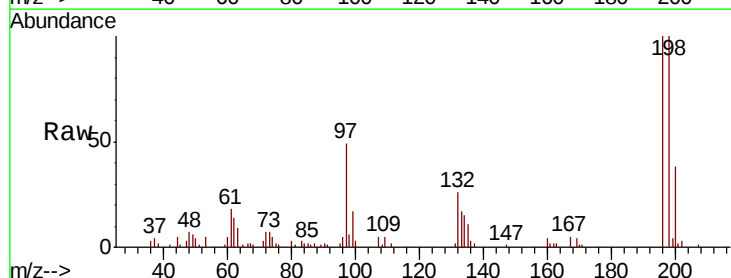


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

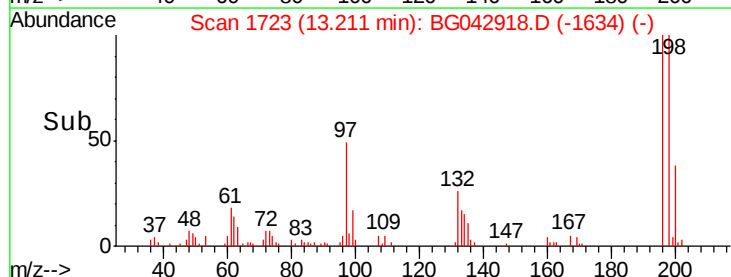
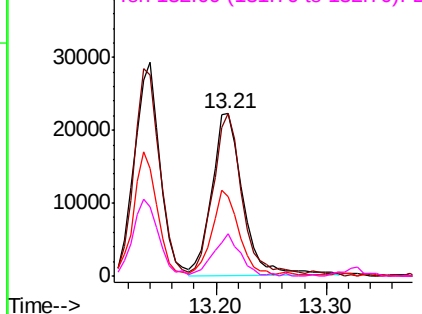


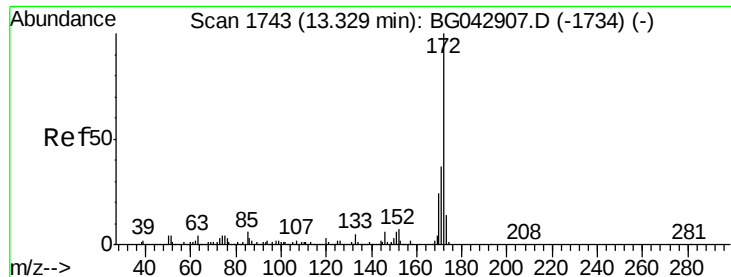
#44  
 2,4,5-Trichlorophenol  
 Concen: 12.091 ng  
 RT: 13.21 min Scan# 1723  
 Delta R.T. -0.01 min  
 Lab File: BG042918.D  
 Acq: 23 Sep 2019 18:04

Tgt Ion:196 Resp: 42996  
 Ion Ratio Lower Upper  
 196 100  
 198 100.4 80.0 120.0  
 97 49.1 38.0 57.0  
 132 26.1 19.6 29.4



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BGC  
 Ion 132.00 (131.70 to 132.70): E

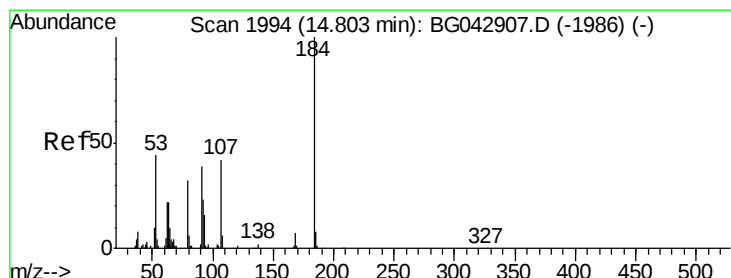
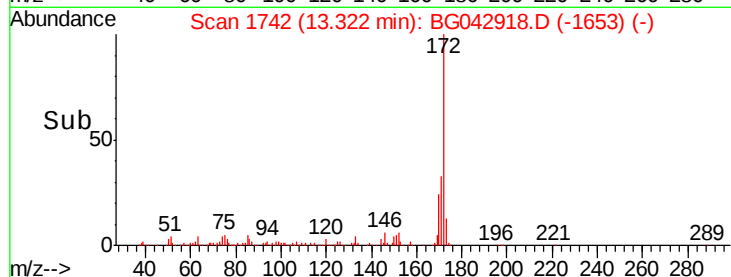
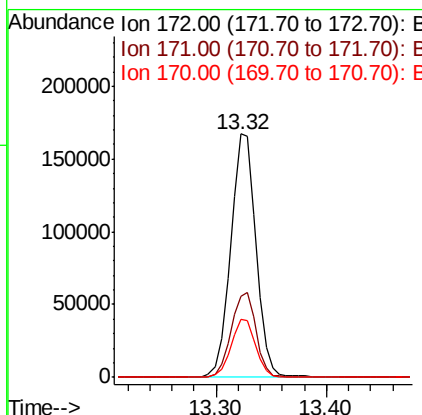
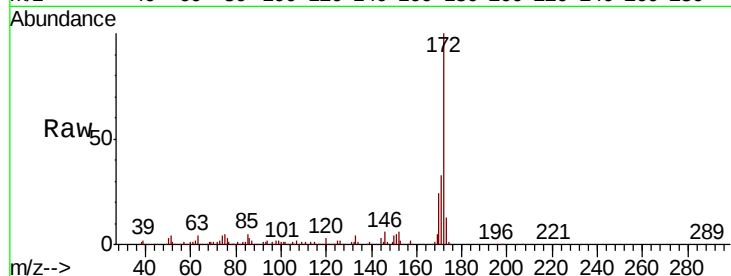




#45  
2-Fluorobiphenyl  
Concen: 24.828 ng  
RT: 13.32 min Scan# 1742  
Delta R.T. -0.01 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

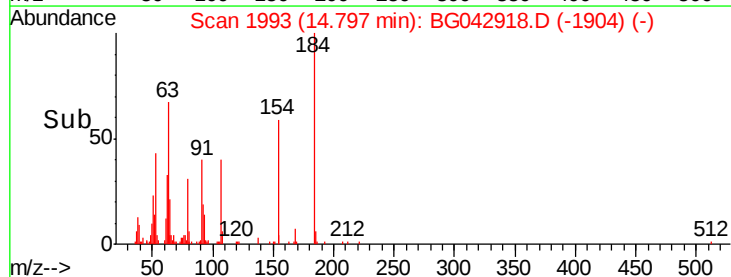
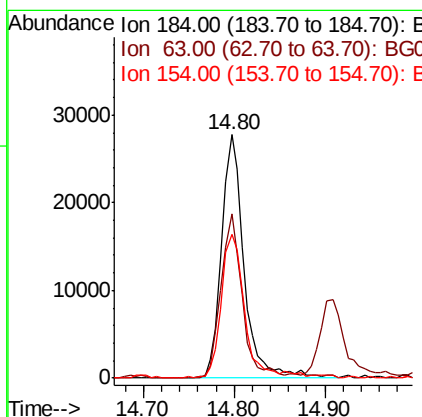
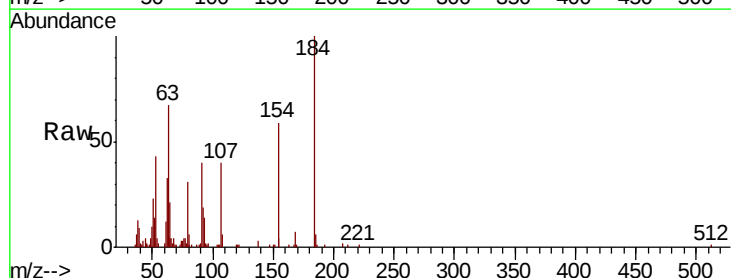
Instrument :  
BNA\_G  
ClientSampleId :  
PT-ACIDS-WP DL

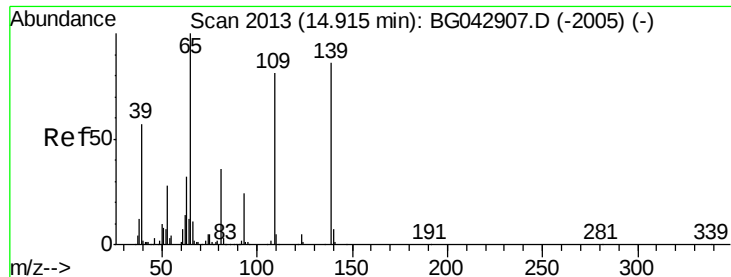
Tot Ion:172 Resp: 269273  
Ion Ratio Lower Upper  
172 100  
171 33.5 29.7 44.5  
170 24.0 19.5 29.3



#54  
2,4-Dinitrophenol  
Concen: 32.665 ng  
RT: 14.80 min Scan# 1993  
Delta R.T. -0.01 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

Tgt Ion:184 Resp: 47732  
Ion Ratio Lower Upper  
184 100  
63 67.4 55.0 82.4  
154 59.0 54.2 81.4

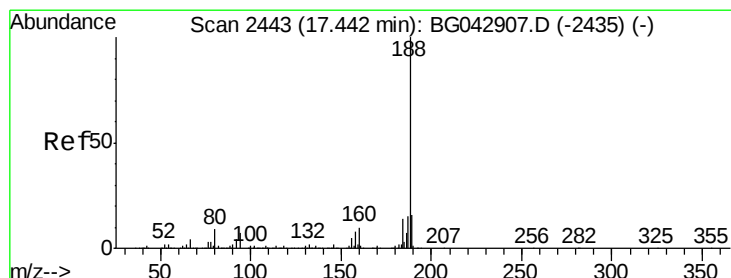
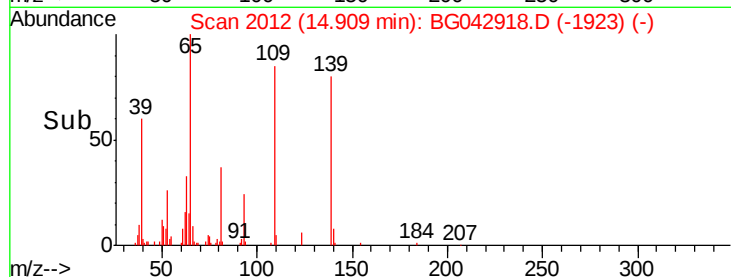
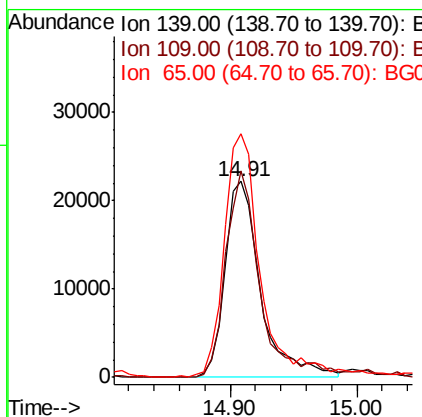
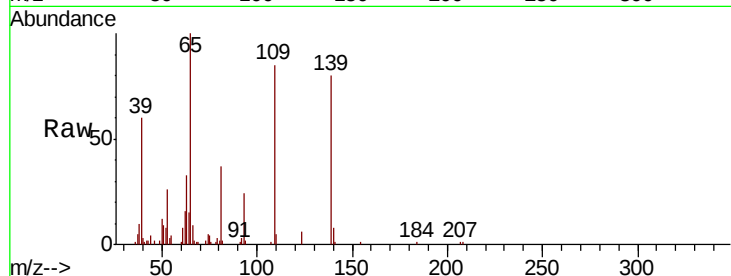




#56  
4-Nitrophenol  
Concen: 21.747 ng  
RT: 14.91 min Scan# 2012  
Delta R.T. -0.01 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

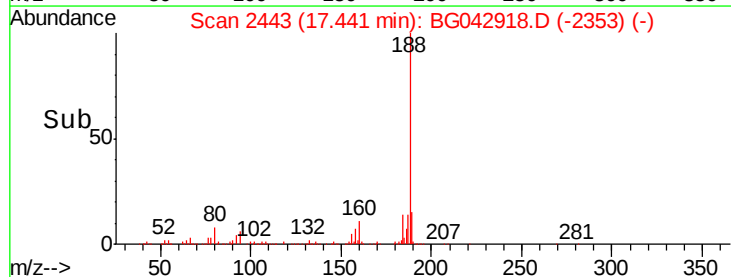
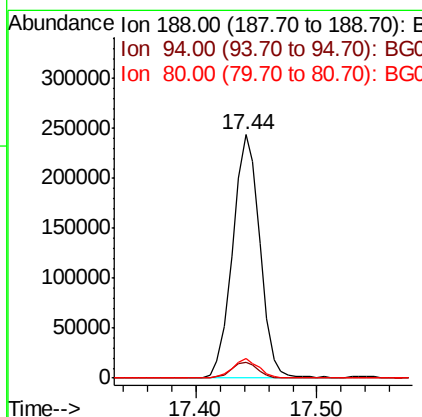
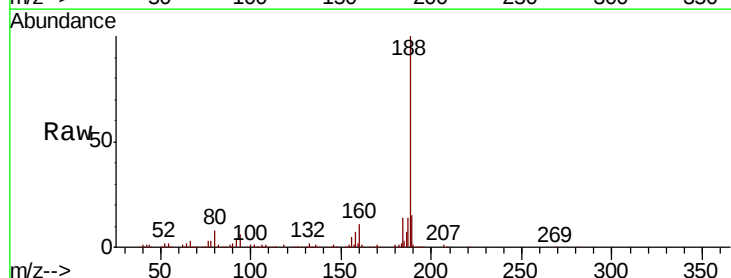
Instrument :  
BNA\_G  
ClientSampleId :  
PT-ACIDS-WP DL

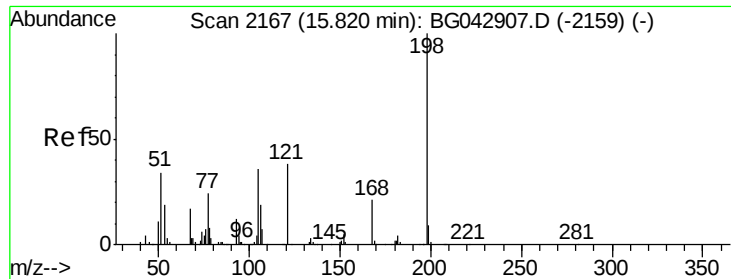
Tot Ion:139 Resp: 43176  
Ion Ratio Lower Upper  
139 100  
109 105.3 73.4 113.4  
65 124.3 96.0 136.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.44 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

Tgt Ion:188 Resp: 382944  
Ion Ratio Lower Upper  
188 100  
94 6.5 5.7 8.5  
80 7.8 6.9 10.3





#65

4,6-Dinitro-2-methylphenol

Concen: 31.344 ng

RT: 15.81 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BG042918.D

Acq: 23 Sep 2019 18:04

Instrument :

BNA\_G

ClientSampleId :

PT-ACIDS-WP DL

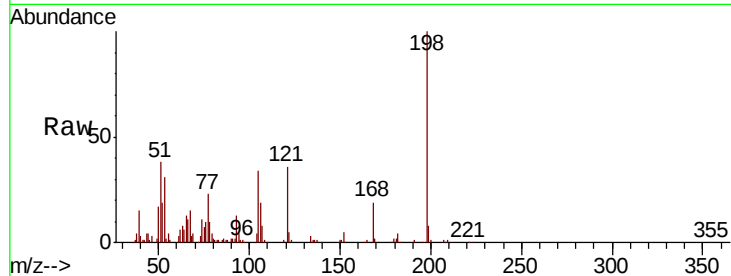
Tot Ion:198 Resp: 63569

Ion Ratio Lower Upper

198 100

51 38.2 21.9 61.9

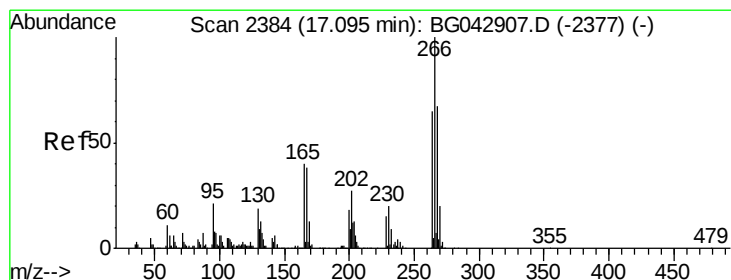
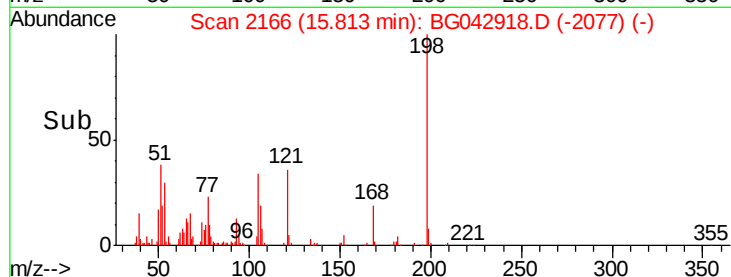
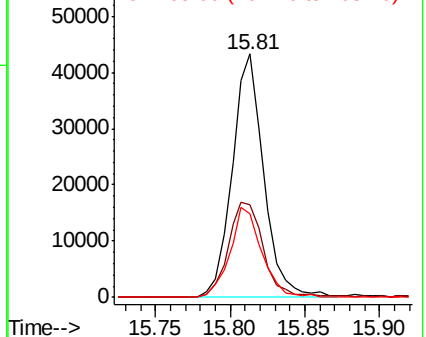
105 34.1 17.7 57.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#70

Pentachlorophenol

Concen: 19.812 ng

RT: 17.09 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BG042918.D

Acq: 23 Sep 2019 18:04

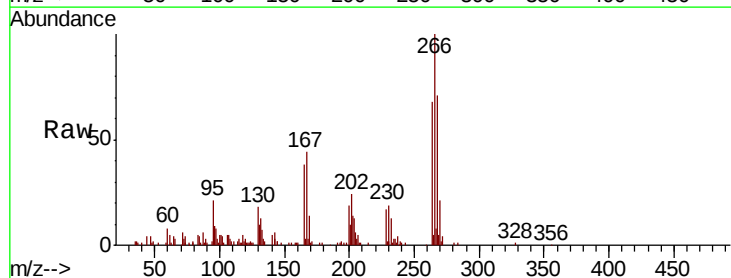
Tgt Ion:266 Resp: 59193

Ion Ratio Lower Upper

266 100

268 70.6 53.6 80.4

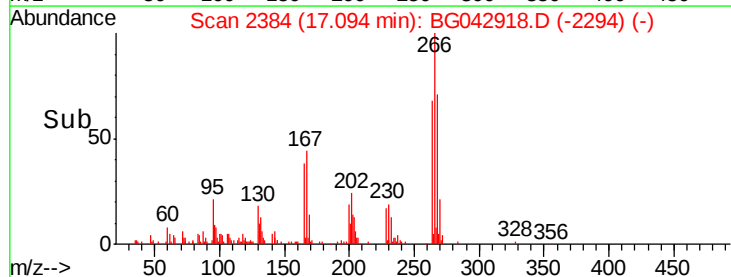
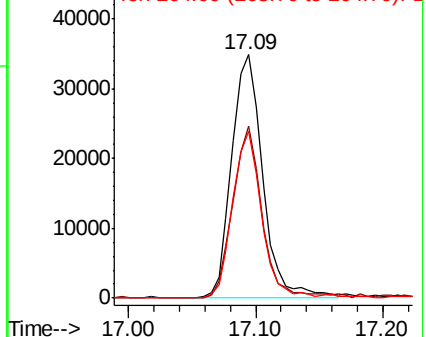
264 68.5 51.7 77.5

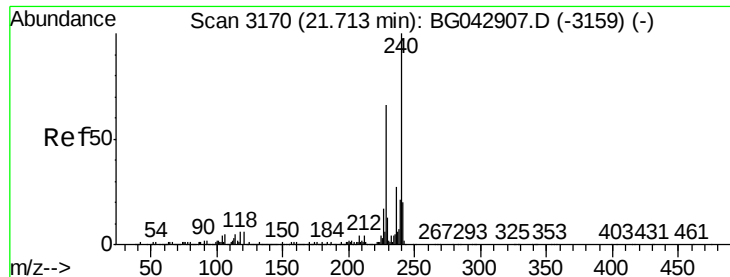


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

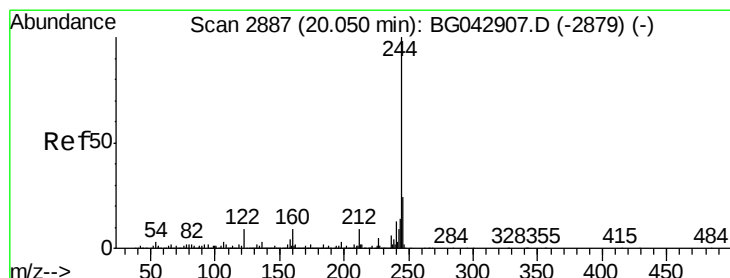
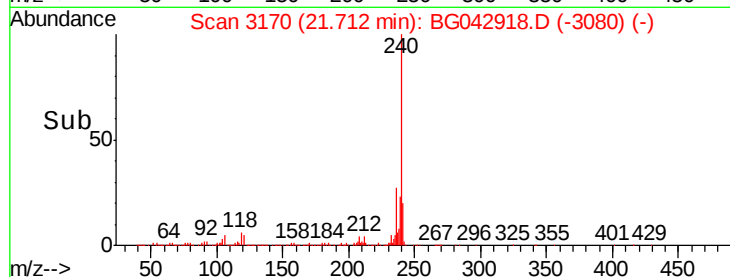
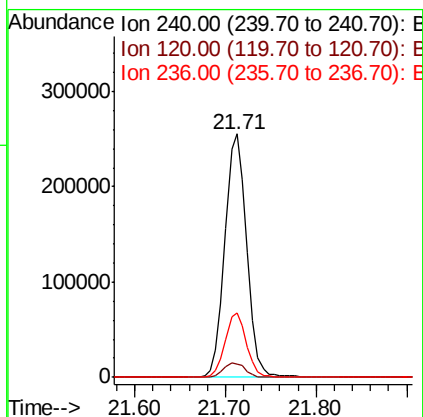
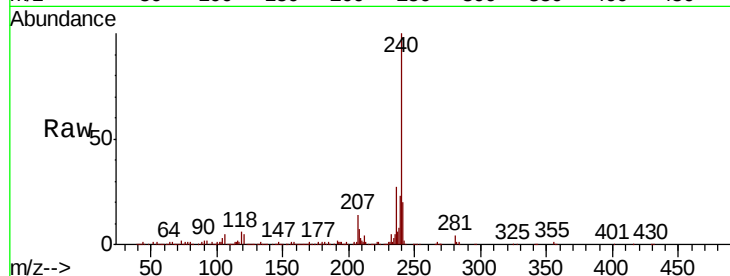




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.71 min Scan# 3170  
Delta R.T. -0.00 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

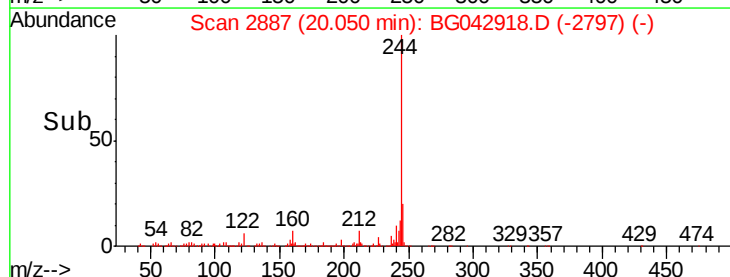
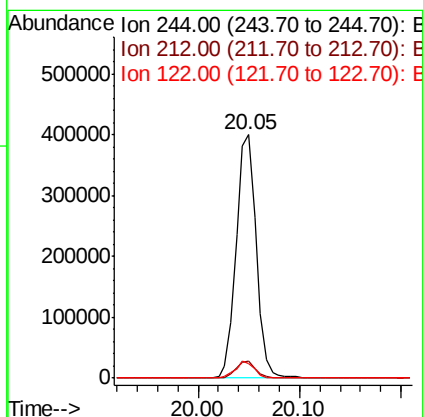
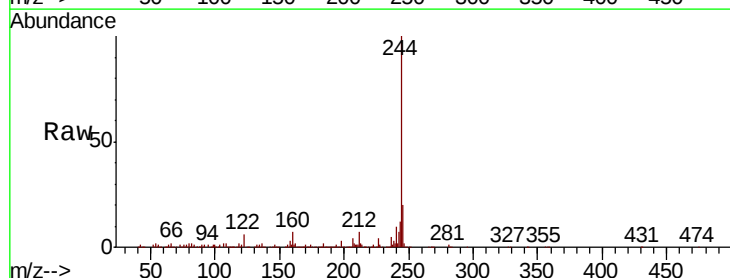
Instrument :  
BNA\_G  
ClientSampleId :  
PT-ACIDS-WP DL

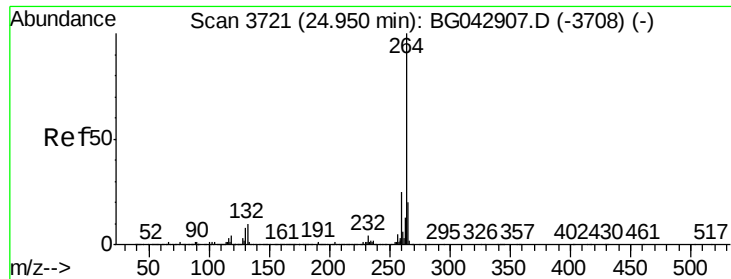
Tot Ion:240 Resp: 425856  
Ion Ratio Lower Upper  
240 100  
120 5.4 5.2 7.8  
236 26.7 21.7 32.5



#79  
Terphenyl-d14  
Concen: 26.269 ng  
RT: 20.05 min Scan# 2887  
Delta R.T. -0.00 min  
Lab File: BG042918.D  
Acq: 23 Sep 2019 18:04

Tgt Ion:244 Resp: 549785  
Ion Ratio Lower Upper  
244 100  
212 7.2 7.1 10.7  
122 6.2 6.9 10.3#





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.94 min Scan# 3720  
 Delta R.T. -0.01 min  
 Lab File: BG042918.D  
 Acq: 23 Sep 2019 18:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PT-ACIDS-WP DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.1  | 20.4  | 30.6  |
| 265     | 22.7  | 17.0  | 25.4  |

