

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\  
 Data File : BP000530.D  
 Acq On : 05 Oct 2019 00:25  
 Operator : JU  
 Sample : K5156-02  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PSEG-GAS

Quant Time: Oct 05 01:16:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 01 18:03:42 2019  
 Response via : Initial Calibration

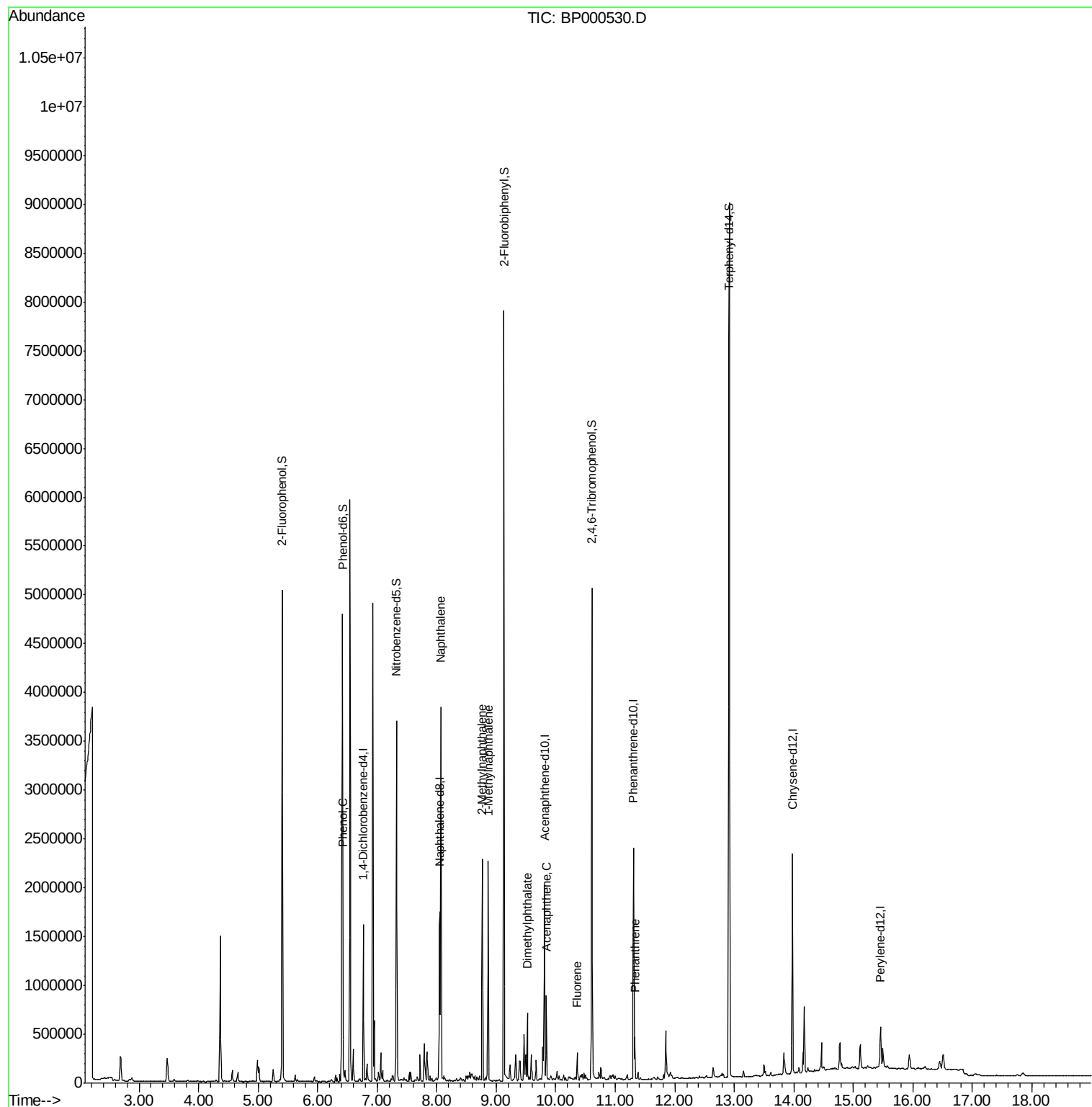
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.77  | 152  | 229607   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.05  | 136  | 804308   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.81  | 164  | 333355   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.30 | 188  | 829951   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.97 | 240  | 606408   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.45 | 264  | 116401   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 1643850  | 115.08 | ng    | 0.01     |
| 7) Phenol-d6                | 6.42  | 99   | 1799190  | 104.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.33  | 82   | 1161555  | 88.20  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.61 | 330  | 714580   | 201.16 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.13  | 172  | 2582539  | 125.35 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.92 | 244  | 3196463  | 106.73 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.43  | 94   | 82873    | 4.702  | ng    | 89       |
| 31) Naphthalene             | 8.07  | 128  | 1692206  | 45.049 | ng    | 100      |
| 37) 2-Methylnaphthalene     | 8.76  | 142  | 570267   | 22.614 | ng    | 100      |
| 38) 1-Methylnaphthalene     | 8.86  | 142  | 543135   | 22.795 | ng    | 98       |
| 50) Dimethylphthalate       | 9.52  | 163  | 260607   | 11.251 | ng    | 99       |
| 52) Acenaphthene            | 9.84  | 154  | 189070   | 10.618 | ng    | 100      |
| 58) Fluorene                | 10.36 | 166  | 77037    | 4.061  | ng    | 99       |
| 71) Phenanthrene            | 11.33 | 178  | 150145   | 3.602  | ng    | 100      |

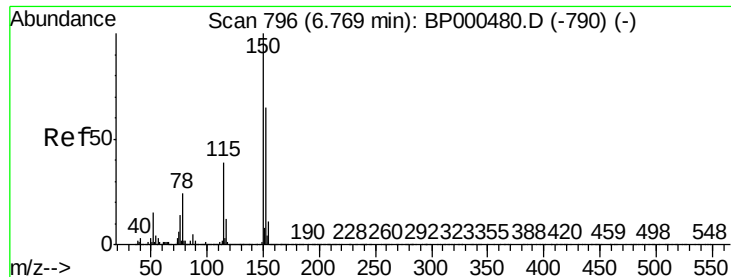
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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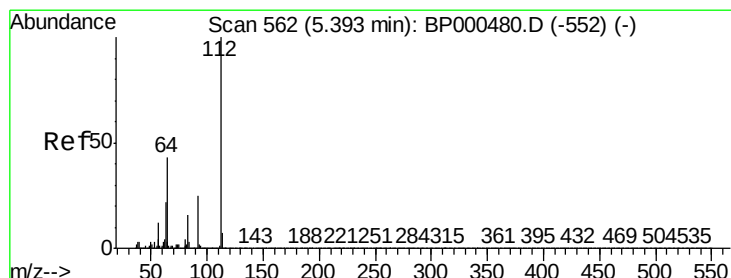
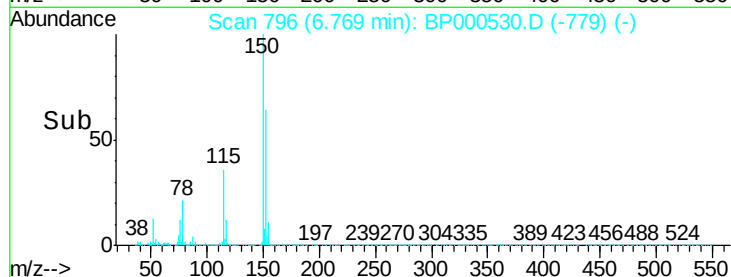
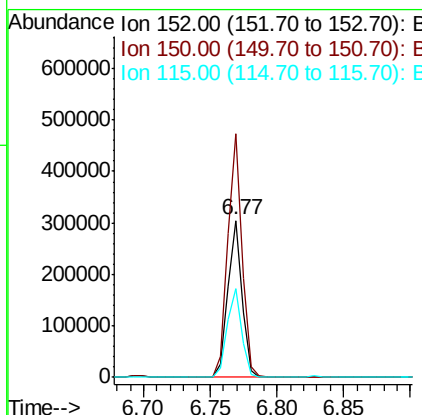
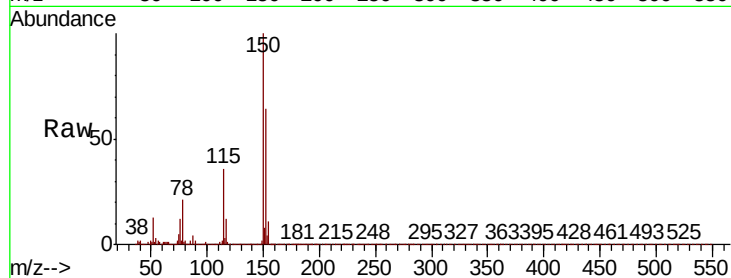


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 796  
Delta R.T. -0.00 min  
Lab File: BP000530.D  
Acq: 05 Oct 2019 00:25

Instrument :  
BNA\_P  
ClientSampleId :  
PSEG-GAS

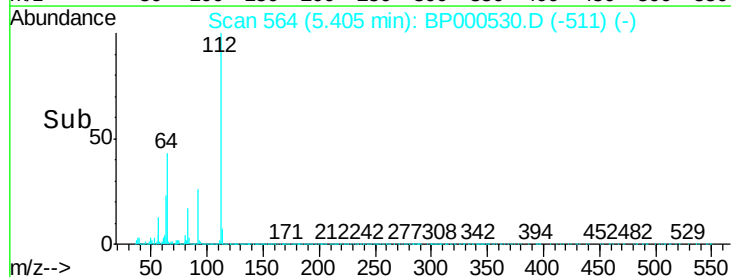
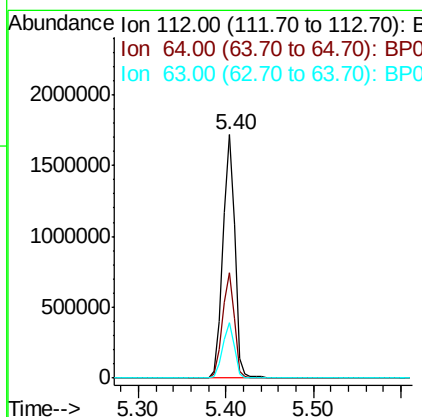
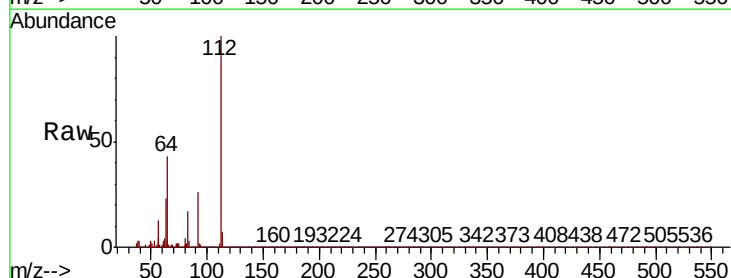
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.4 | 124.1 | 186.1 |
| 115     | 56.5  | 48.7  | 73.1  |

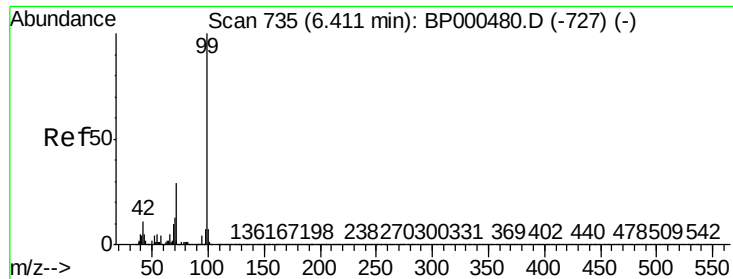


#5

2-Fluorophenol  
Concen: 115.083 ng  
RT: 5.40 min Scan# 564  
Delta R.T. 0.01 min  
Lab File: BP000530.D  
Acq: 05 Oct 2019 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 43.4  | 34.2  | 51.4  |
| 63      | 22.6  | 17.9  | 26.9  |





#7

Phenol-d6

Concen: 104.526 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BP000530.D

Acq: 05 Oct 2019 00:25

Instrument :

BNA\_P

ClientSampleId :

PSEG-GAS

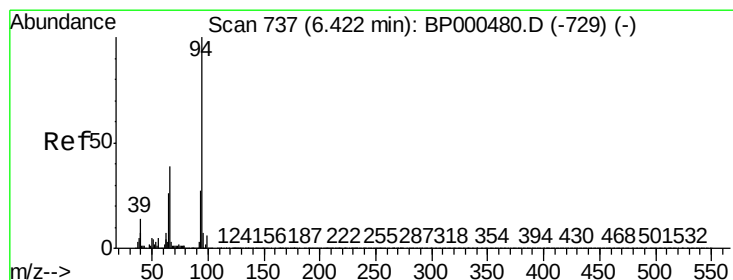
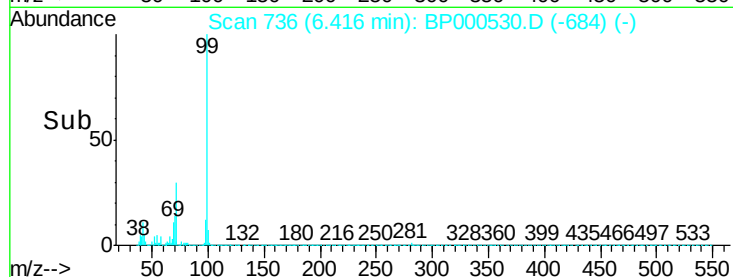
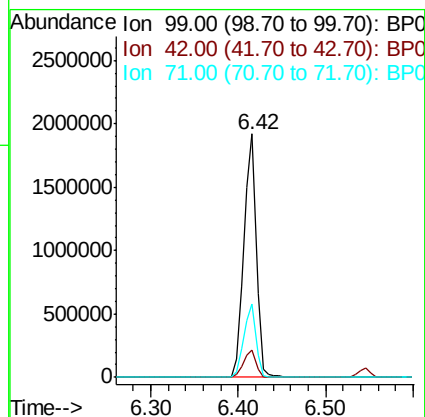
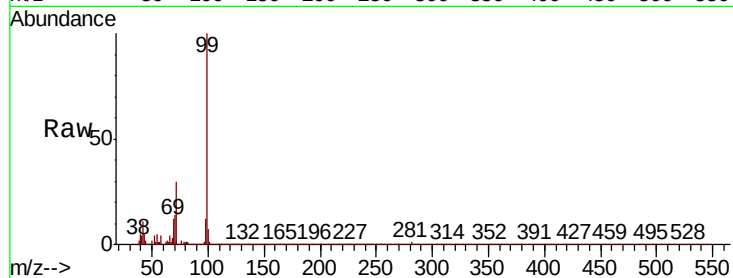
Tot Ion: 99 Resp: 1799190

Ion Ratio Lower Upper

99 100

42 11.0 8.6 12.8

71 30.0 23.0 34.4



#10

Phenol

Concen: 4.702 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000530.D

Acq: 05 Oct 2019 00:25

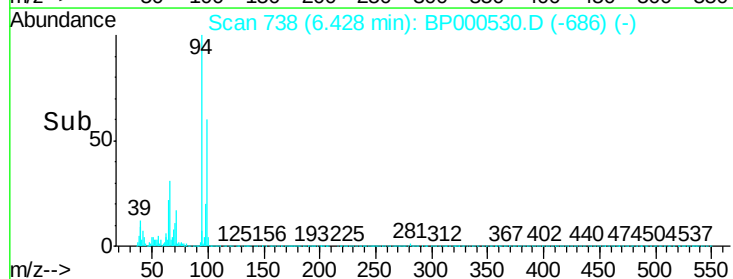
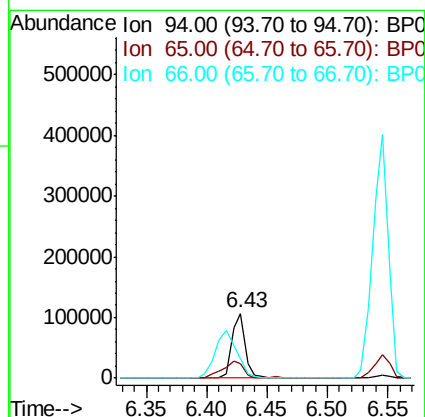
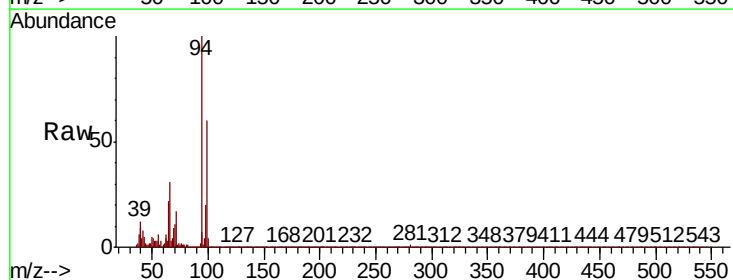
Tgt Ion: 94 Resp: 82873

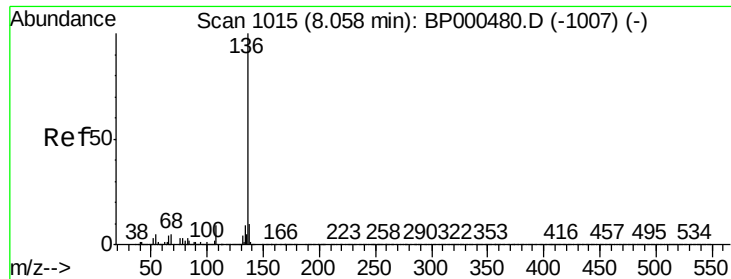
Ion Ratio Lower Upper

94 100

65 21.9 5.9 45.9

66 31.2 18.8 58.8

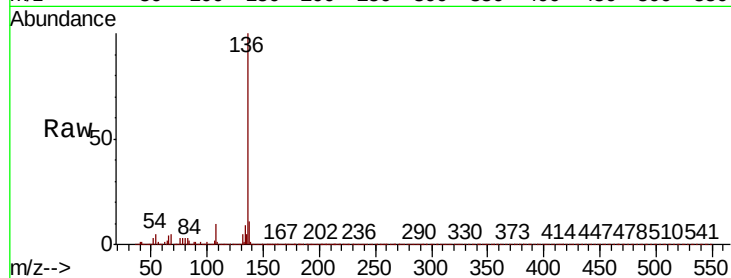




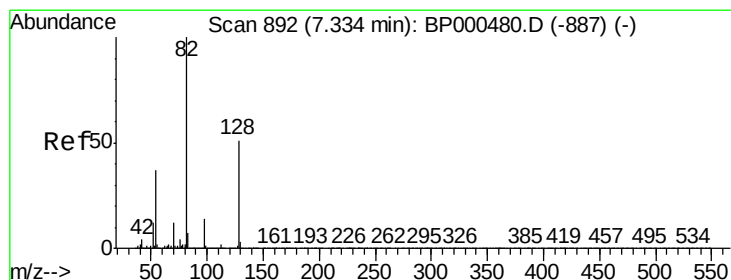
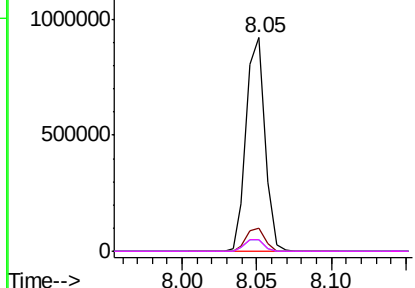
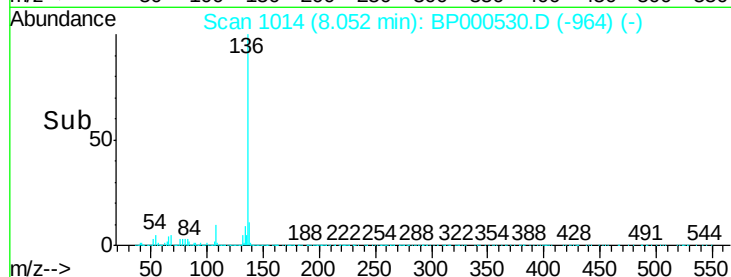
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.05 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BP000530.D  
Acq: 05 Oct 2019 00:25

Instrument :  
BNA\_P  
ClientSampleId :  
PSEG-GAS

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 804308 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 10.8    | 8.2   | 12.4   |  |
| 54 5.2      | 4.1   | 6.1    |  |
| 68 5.2      | 4.1   | 6.1    |  |

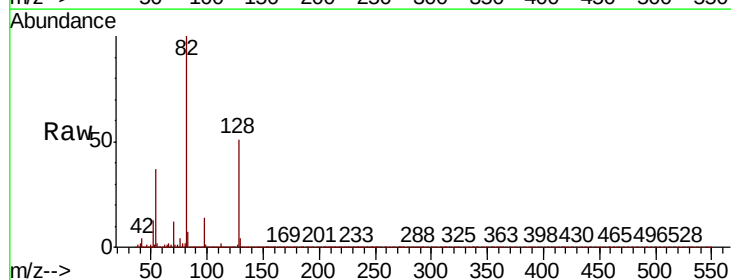


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BP0  
Ion 68.00 (67.70 to 68.70): BP0

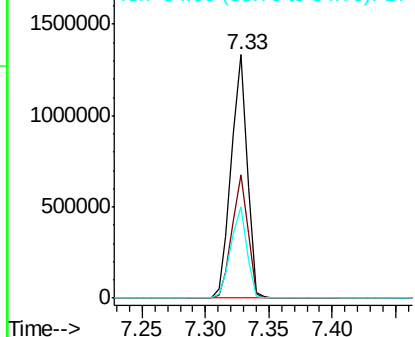
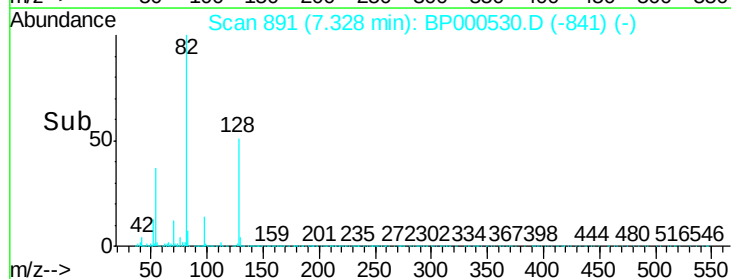


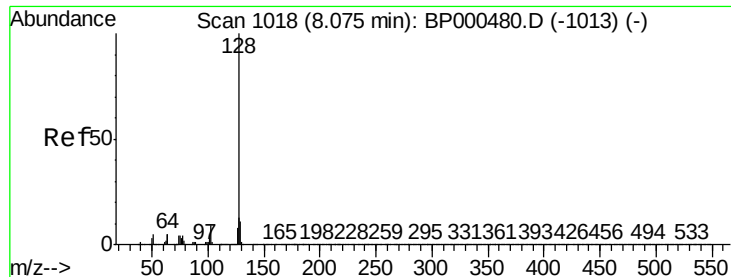
#23  
Nitrobenzene-d5  
Concen: 88.203 ng  
RT: 7.33 min Scan# 891  
Delta R.T. -0.01 min  
Lab File: BP000530.D  
Acq: 05 Oct 2019 00:25

|     |         |               |       |
|-----|---------|---------------|-------|
| Tgt | Ion: 82 | Resp: 1161555 |       |
| Ion | Ratio   | Lower         | Upper |
| 82  | 100     |               |       |
| 128 | 50.9    | 40.9          | 61.3  |
| 54  | 37.3    | 29.4          | 44.2  |



Abundance Ion 82.00 (81.70 to 82.70): BP0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BP0





#31

Naphthalene

Concen: 45.049 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BP000530.D

Acq: 05 Oct 2019 00:25

Instrument :

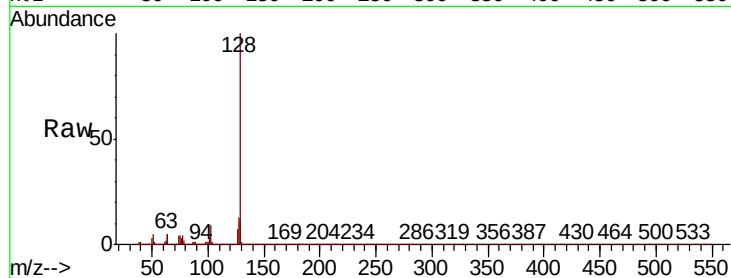
BNA\_P

ClientSampleId :

PSEG-GAS

Tot Ion:128 Resp: 1692206

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.4  | 9.0   | 13.6  |
| 127 | 13.3  | 10.5  | 15.7  |

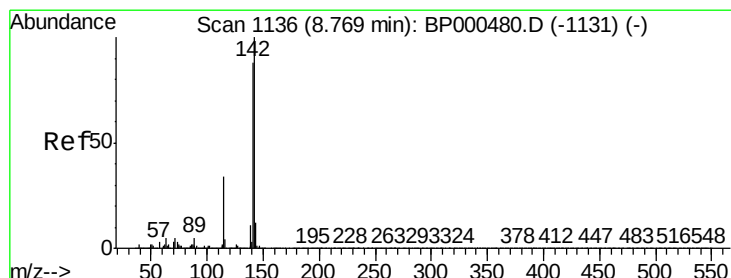
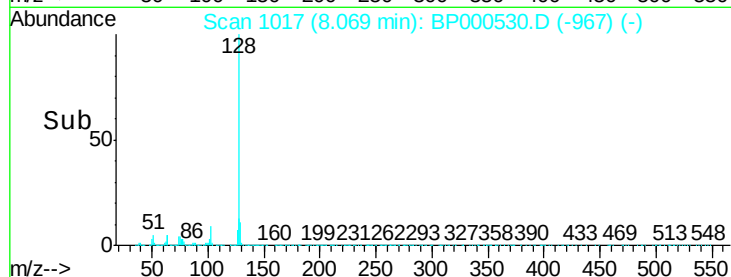
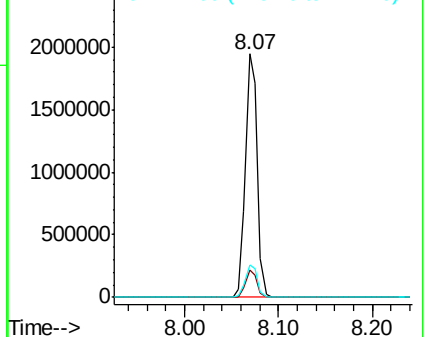


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 22.614 ng

RT: 8.76 min Scan# 1135

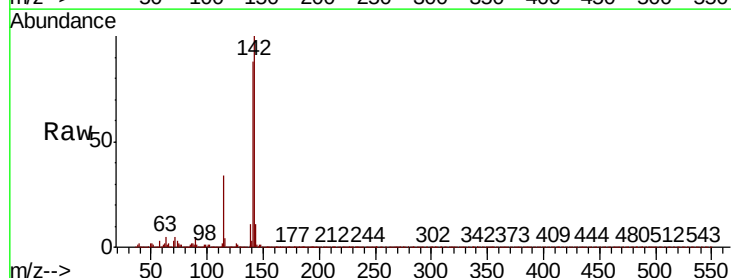
Delta R.T. -0.01 min

Lab File: BP000530.D

Acq: 05 Oct 2019 00:25

Tgt Ion:142 Resp: 570267

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 88.0  | 70.6  | 106.0 |
| 115 | 33.8  | 27.4  | 41.0  |

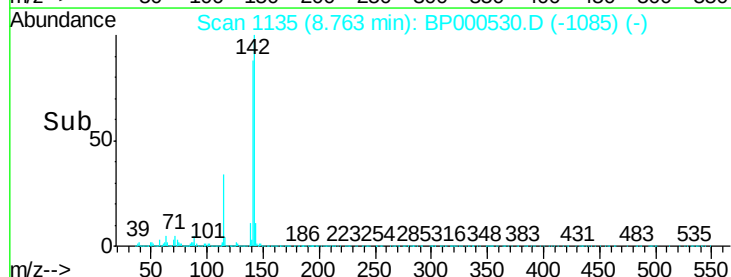
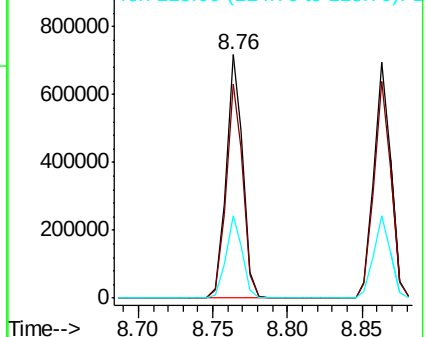


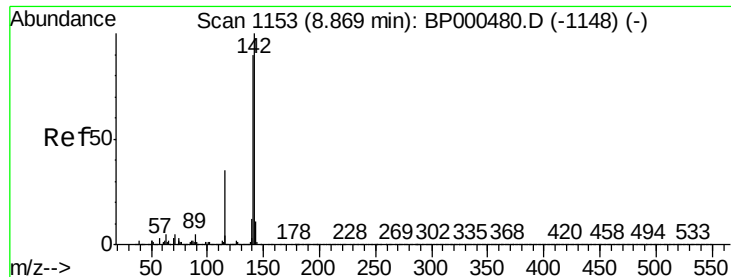
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

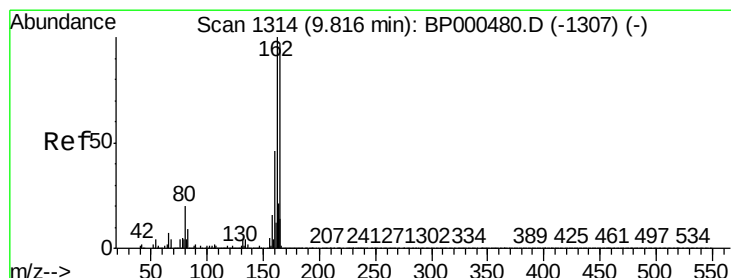
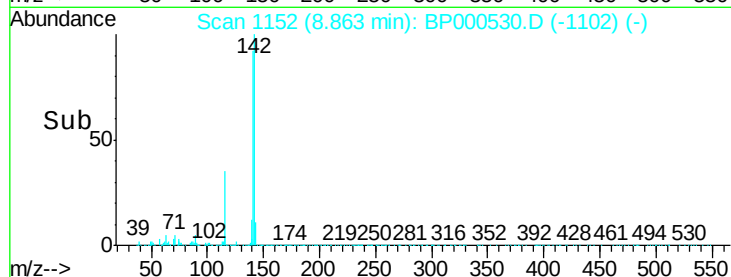
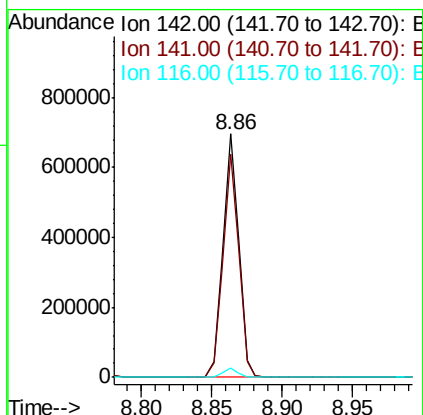
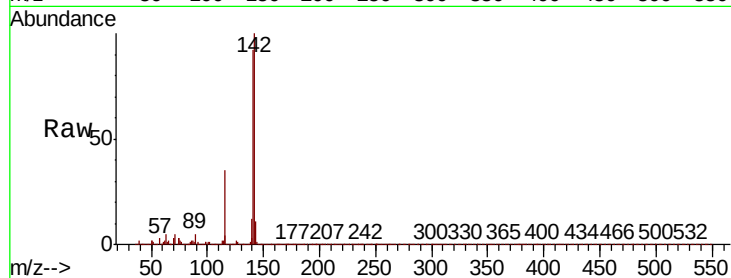




#38  
1-Methylnaphthalene  
Concen: 22.795 ng  
RT: 8.86 min Scan# 1152  
Delta R.T. -0.01 min  
Lab File: BP000530.D  
Acq: 05 Oct 2019 00:25

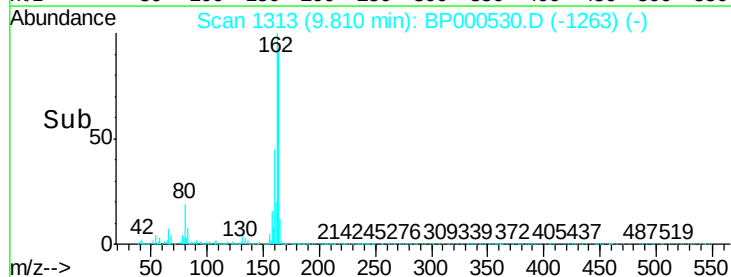
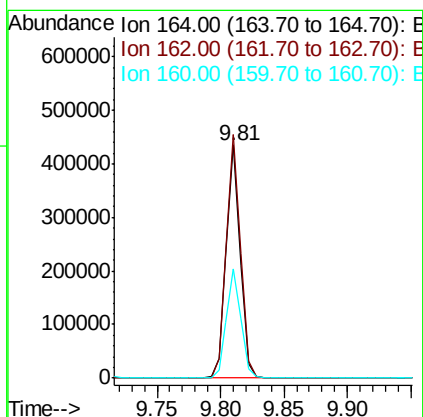
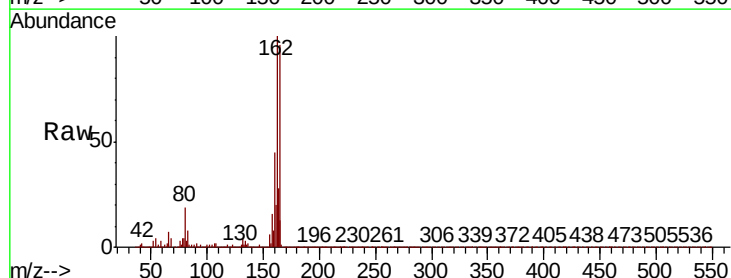
Instrument :  
BNA\_P  
ClientSampleId :  
PSEG-GAS

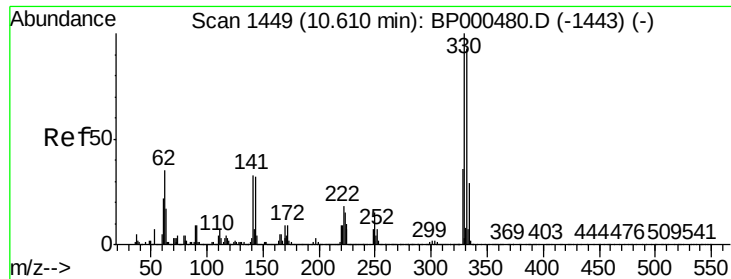
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.9  | 71.9  | 107.9 |
| 116     | 3.7   | 3.0   | 4.4   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.81 min Scan# 1313  
Delta R.T. -0.01 min  
Lab File: BP000530.D  
Acq: 05 Oct 2019 00:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.6 | 82.2  | 123.2 |
| 160     | 47.1  | 37.6  | 56.4  |

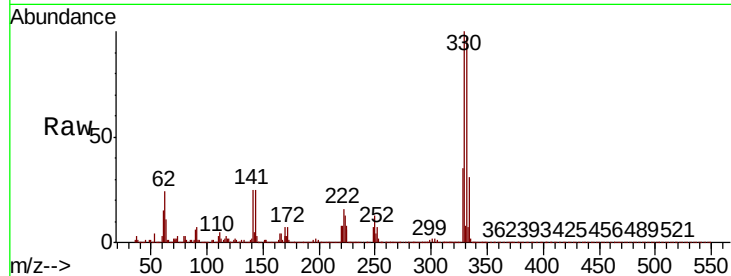




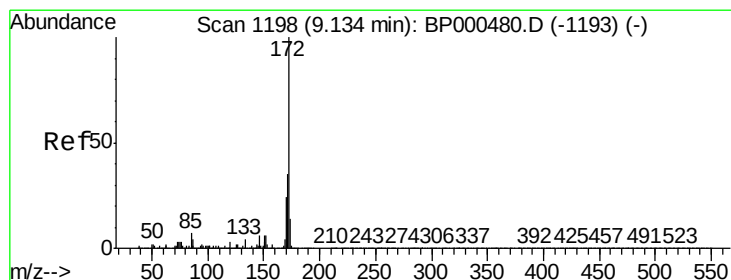
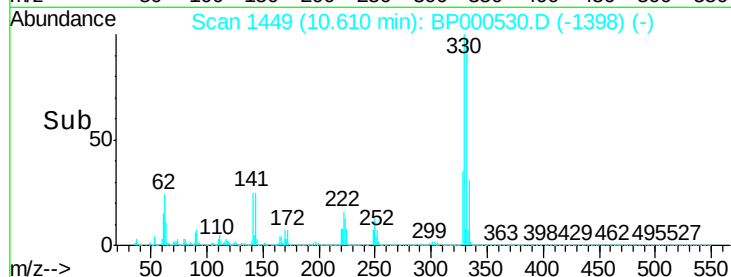
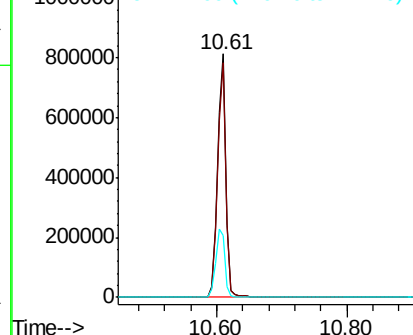
#42  
 2,4,6-Tribromophenol  
 Concen: 201.160 ng  
 RT: 10.61 min Scan# 1449  
 Delta R.T. -0.00 min  
 Lab File: BP000530.D  
 Acq: 05 Oct 2019 00:25

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PSEG-GAS

Tot Ion:330 Resp: 714580  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 77.1 115.7  
 141 31.0 26.0 39.0

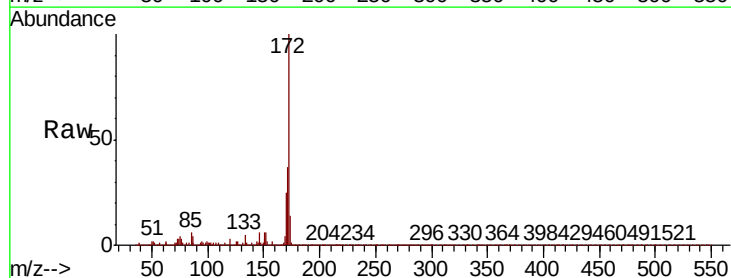


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

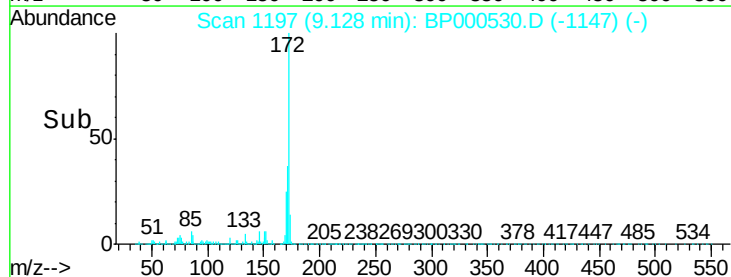
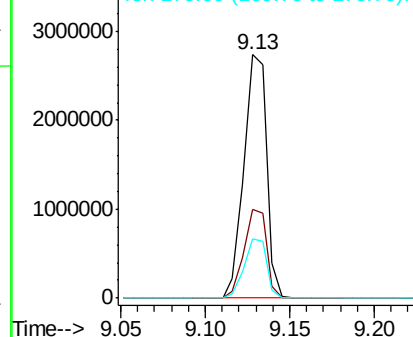


#45  
 2-Fluorobiphenyl  
 Concen: 125.348 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.01 min  
 Lab File: BP000530.D  
 Acq: 05 Oct 2019 00:25

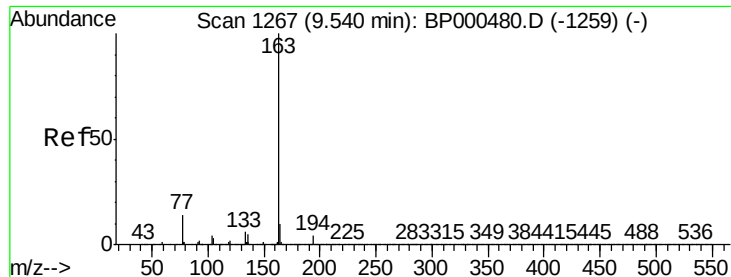
Tgt Ion:172 Resp: 2582539  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 28.4 42.6  
 170 24.5 19.1 28.7



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: 11.251 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BP000530.D

Acq: 05 Oct 2019 00:25

Instrument :

BNA\_P

ClientSampleId :

PSEG-GAS

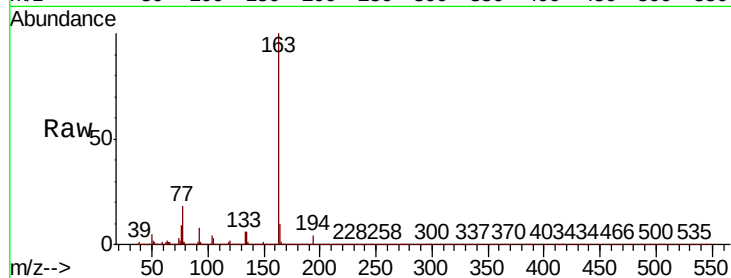
Tot Ion:163 Resp: 260607

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

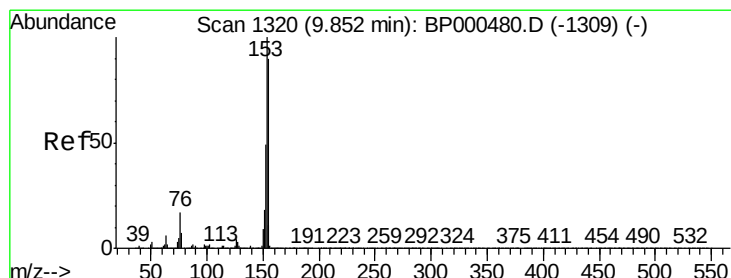
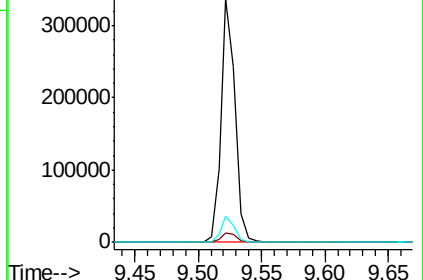
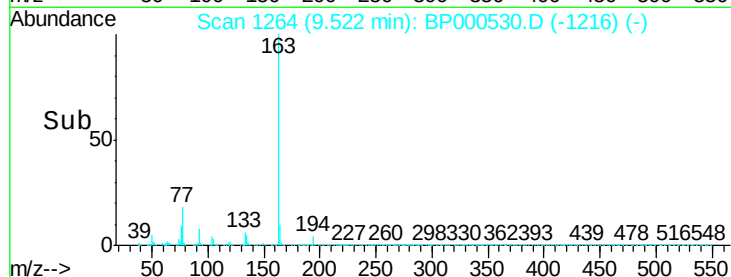
164 10.4 8.0 12.0



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



#52

Acenaphthene

Concen: 10.618 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BP000530.D

Acq: 05 Oct 2019 00:25

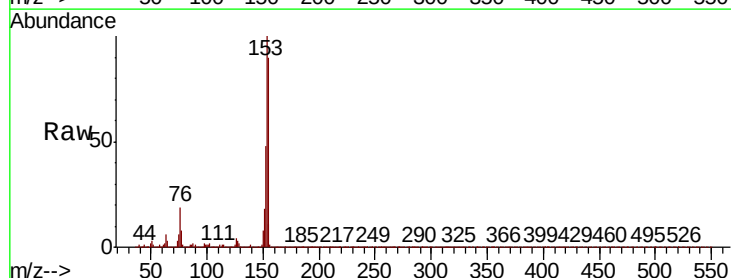
Tgt Ion:154 Resp: 189070

Ion Ratio Lower Upper

154 100

153 111.7 89.4 134.0

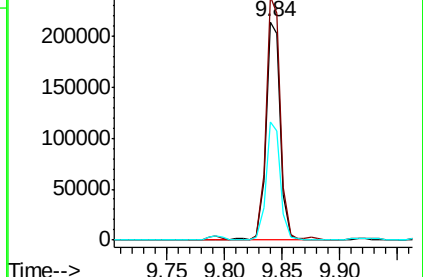
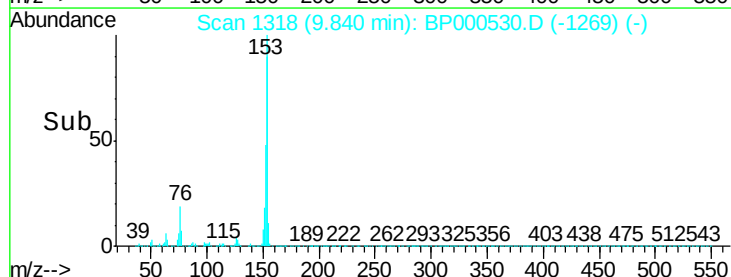
152 53.9 43.8 65.8

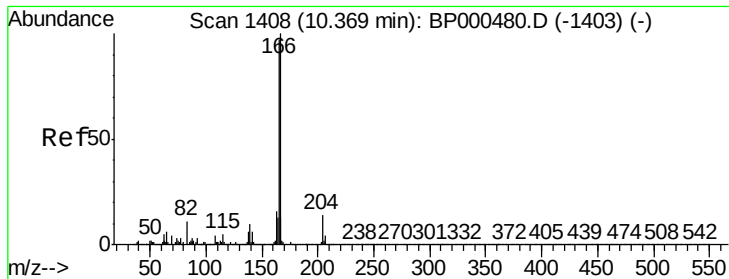


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

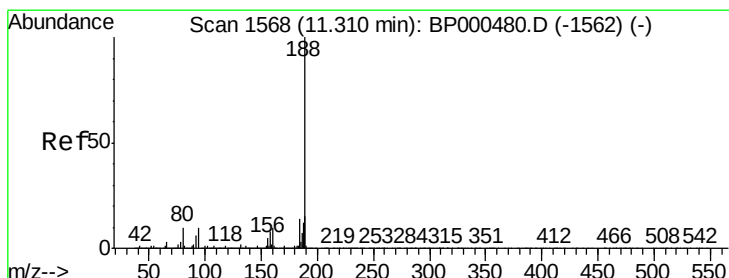
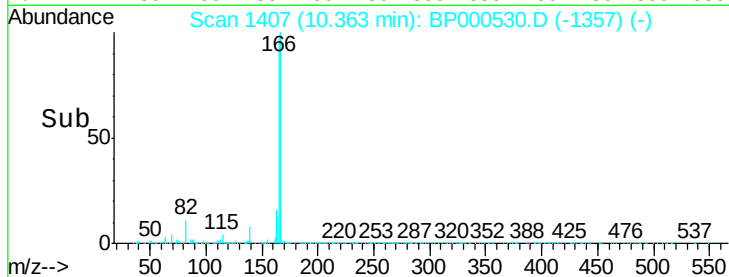
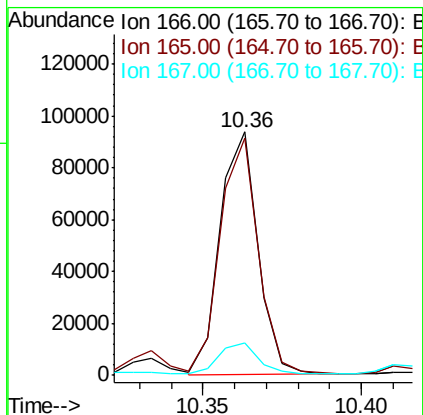
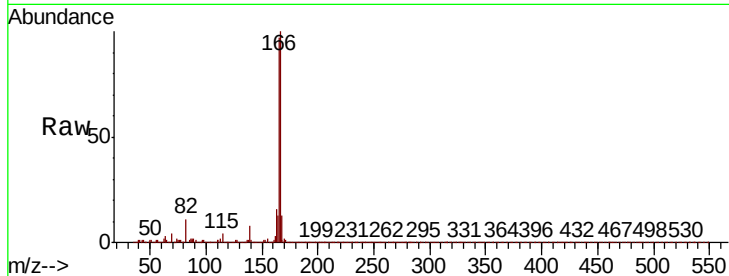




#58  
Fluorene  
Concen: 4.061 ng  
RT: 10.36 min Scan# 1407  
Delta R.T. -0.01 min  
Lab File: BP000530.D  
Acq: 05 Oct 2019 00:25

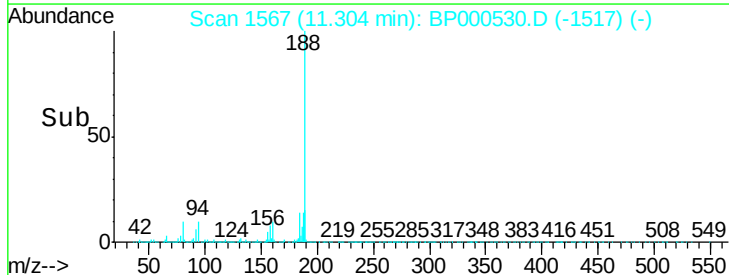
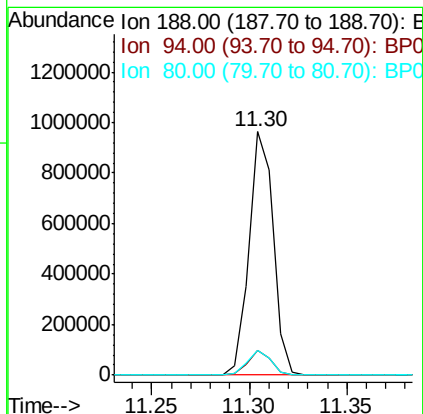
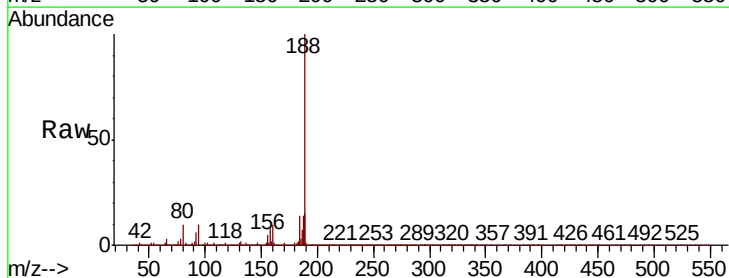
Instrument :  
BNA\_P  
ClientSampleId :  
PSEG-GAS

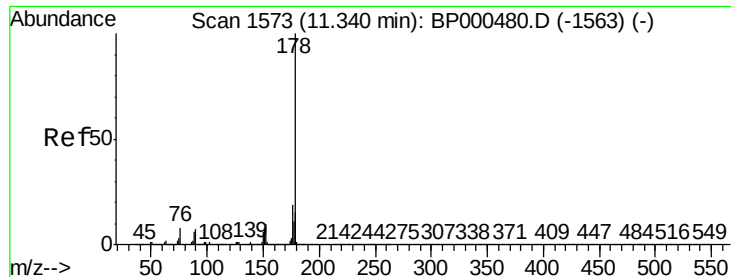
Tot Ion:166 Resp: 77037  
Ion Ratio Lower Upper  
166 100  
165 97.3 77.3 115.9  
167 13.3 10.6 16.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.30 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: BP000530.D  
Acq: 05 Oct 2019 00:25

Tgt Ion:188 Resp: 829951  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.2 12.2  
80 10.4 8.3 12.5





#71

Phenanthrene

Concen: 3.602 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BP000530.D

Acq: 05 Oct 2019 00:25

Instrument :

BNA\_P

ClientSampleId :

PSEG-GAS

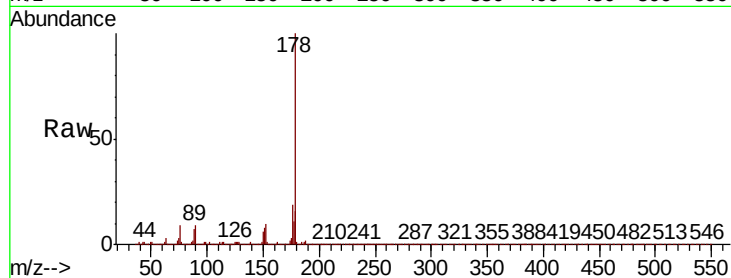
Tot Ion:178 Resp: 150145

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

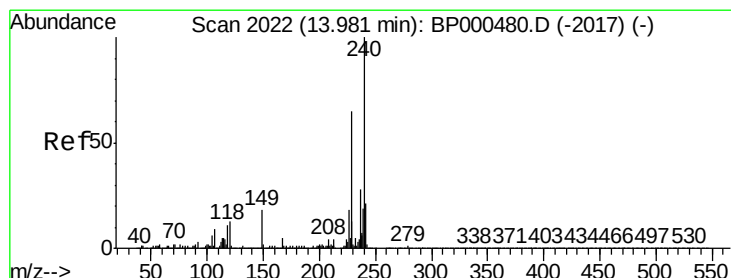
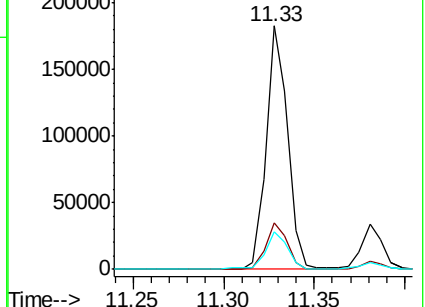
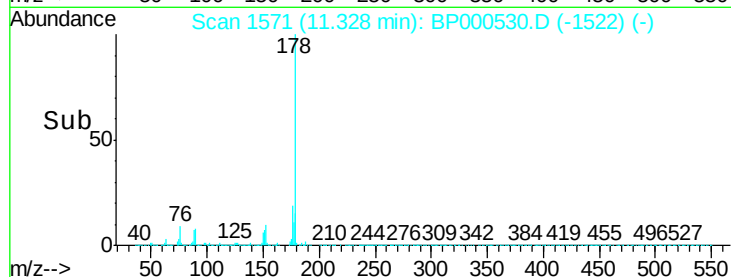
179 15.6 12.2 18.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BP000530.D

Acq: 05 Oct 2019 00:25

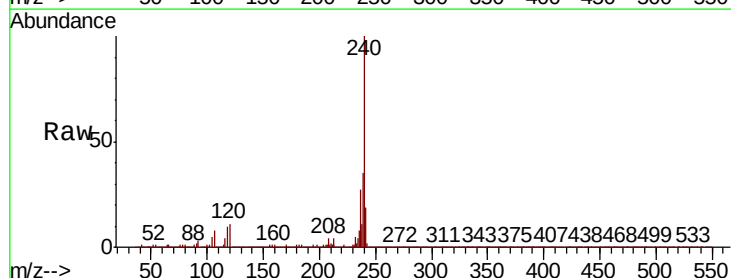
Tgt Ion:240 Resp: 606408

Ion Ratio Lower Upper

240 100

120 11.3 10.1 15.1

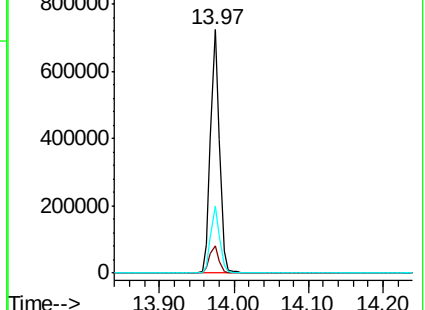
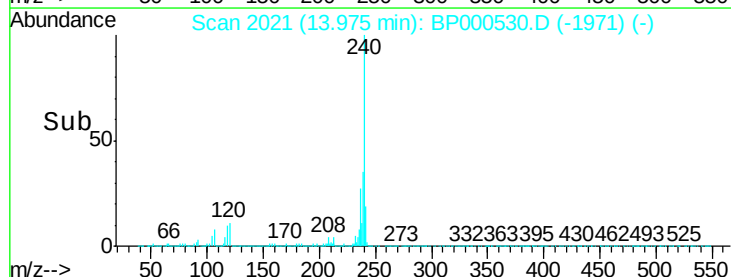
236 27.3 22.7 34.1

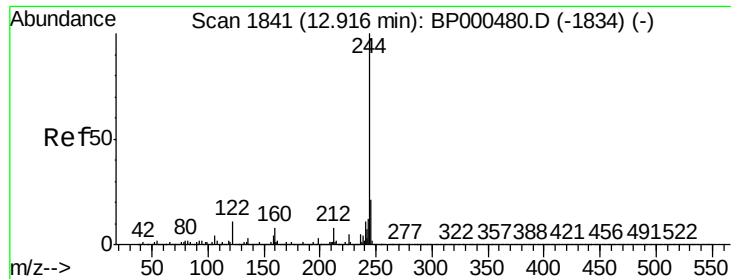


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

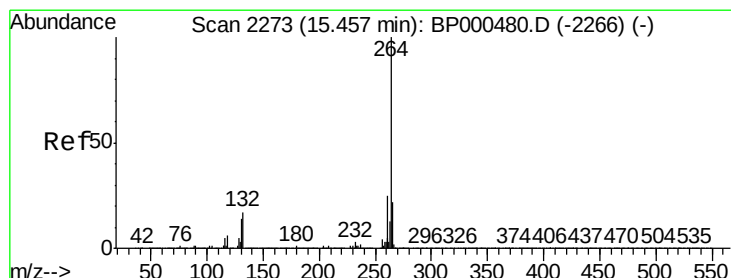
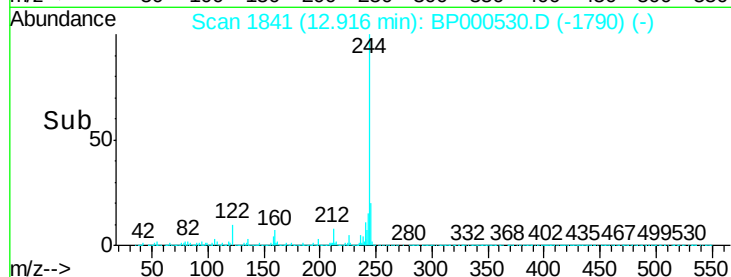
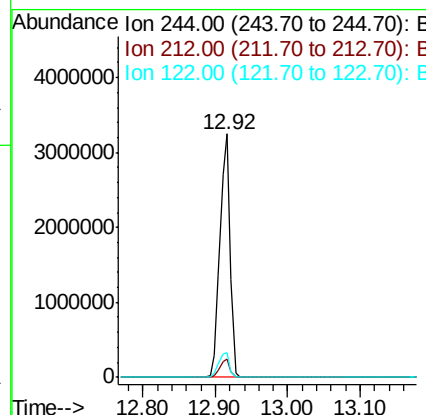
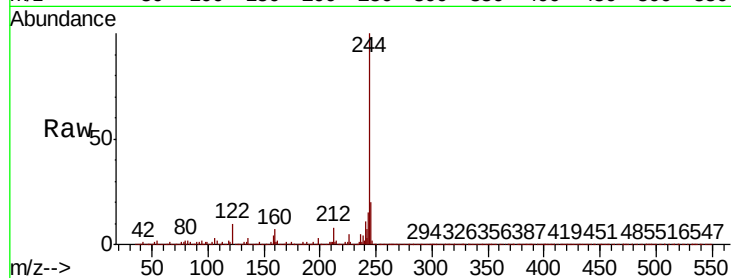




#79  
 Terphenyl-d14  
 Concen: 106.726 ng  
 RT: 12.92 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: BP000530.D  
 Acq: 05 Oct 2019 00:25

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PSEG-GAS

Tot Ion:244 Resp: 3196463  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.0 9.0  
 122 10.1 8.9 13.3



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.45 min Scan# 2272  
 Delta R.T. -0.01 min  
 Lab File: BP000530.D  
 Acq: 05 Oct 2019 00:25

Tgt Ion:264 Resp: 116401  
 Ion Ratio Lower Upper  
 264 100  
 260 35.9 20.3 30.5#  
 265 21.3 18.0 27.0

