

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\  
 Data File : BG021695.D  
 Acq On : 15 Apr 2016 21:16  
 Operator : UM/SJ  
 Sample : H2549-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0575

Manual Integrations  
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Sohil  
 4/18/2016 7:18:43 PM

Quant Time: Apr 18 11:04:52 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 15:48:13 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.21  | 152  | 29145    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 11.03 | 136  | 133765   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 14.82 | 164  | 97087    | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 17.56 | 188  | 204061   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 21.83 | 240  | 225584   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 25.16 | 264  | 223193   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.77  | 112  | 103084   | 58.90  | ng    | 0.01      |
| 7) Phenol-d6                | 7.37  | 99   | 94998    | 36.34  | ng    | 0.01      |
| 23) Nitrobenzene-d5         | 9.38  | 82   | 215707   | 82.89  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 16.32 | 330  | 156962   | 150.01 | ng    | 0.01      |
| 44) 2-Fluorobiphenyl        | 13.45 | 172  | 524797   | 79.20  | ng    | 0.00      |
| 78) Terphenyl-d14           | 20.15 | 244  | 637813   | 70.55  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 20) 3+4-Methylphenols       | 8.98  | 107  | 34738    | 13.06  | ng    | Qvalue 94 |
| 27) 2,4-Dimethylphenol      | 10.24 | 122  | 15312m   | 6.34   | ng    |           |
| 31) Naphthalene             | 11.09 | 128  | 93125    | 13.01  | ng    | # 95      |
| 49) Dimethylphthalate       | 14.28 | 163  | 30355    | 3.62   | ng    | # 62      |

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

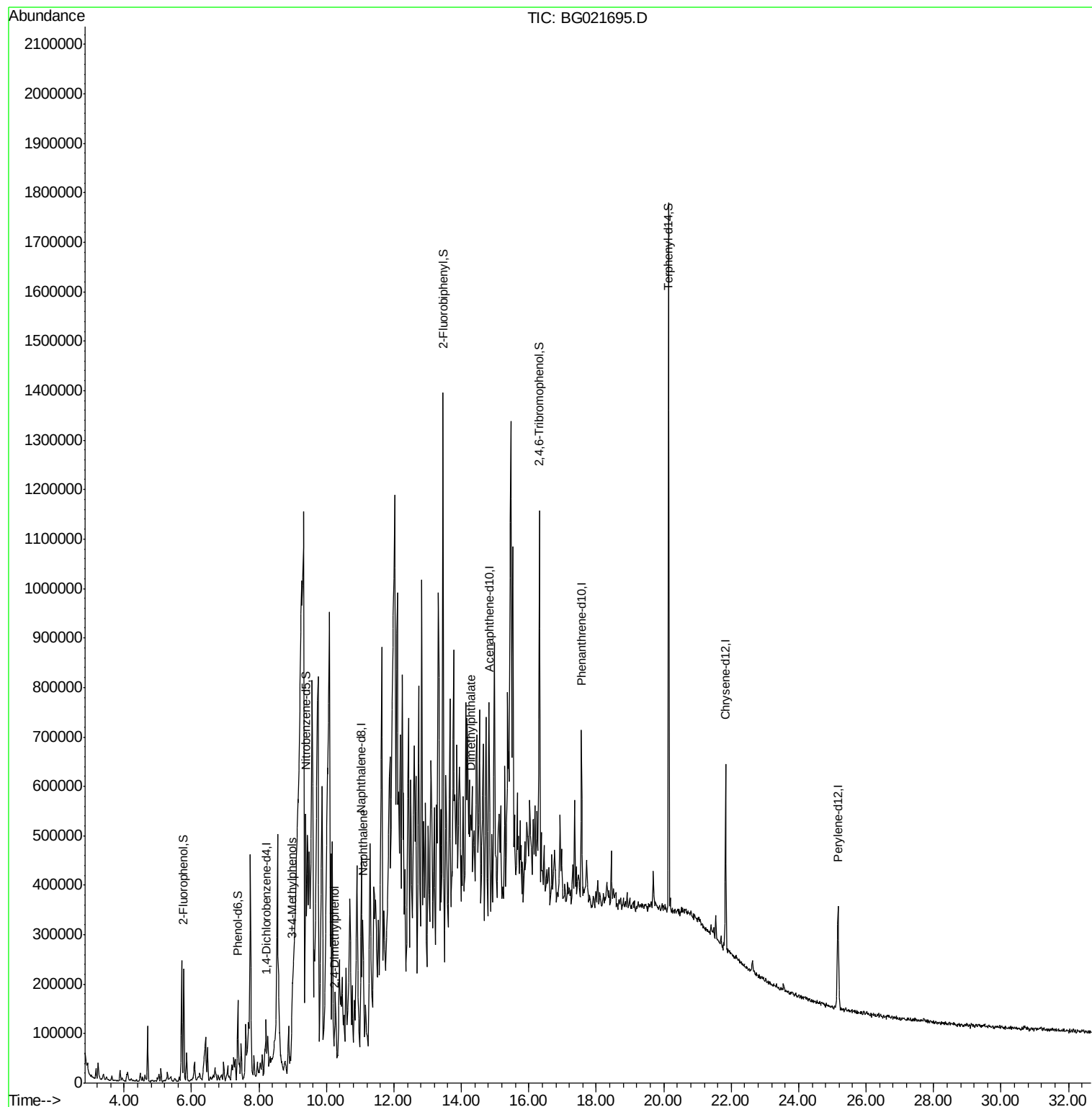
Data Path : Z:\HPCHEM1\BNA G\DATA\BG041516\  
Data File : BG021695.D  
Acq On : 15 Apr 2016 21:16  
Operator : UM/SJ  
Sample : H2549-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

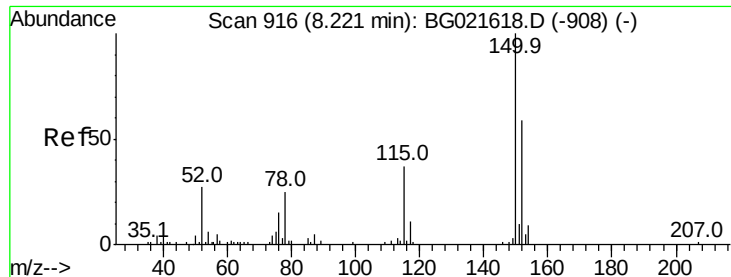
Instrument :  
BNA\_G  
ClientSampleId :  
S8-0575

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Quant Time: Apr 18 11:04:52 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 13 15:48:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021695.D

Acq: 15 Apr 2016 21:16

Instrument :

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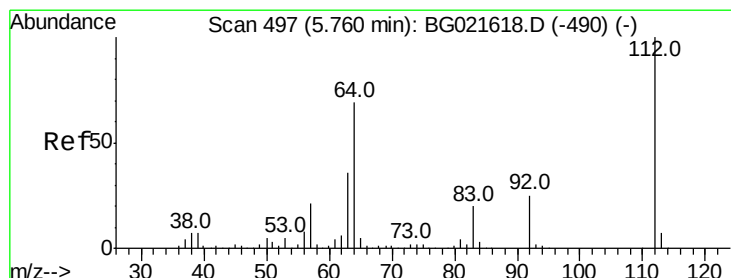
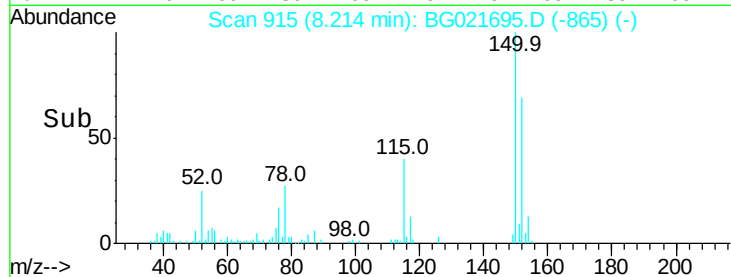
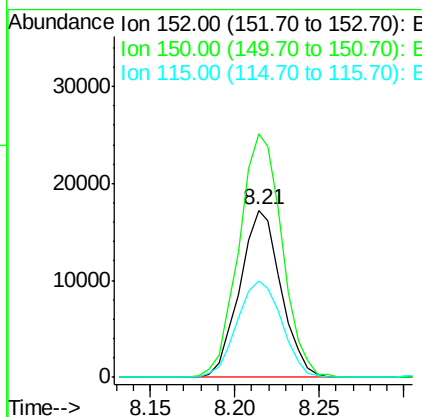
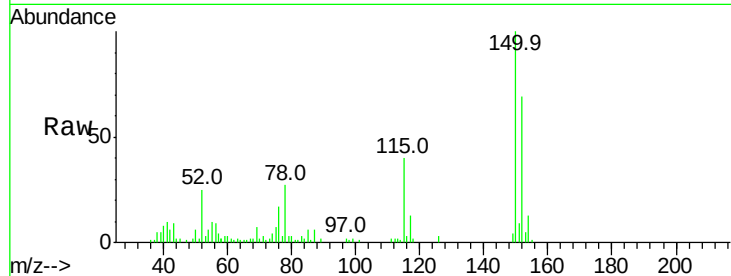
ClientSampleId :

S8-0575

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 29145 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 146.0 | 130.1 | 195.1 |
| 115       | 58.0  | 62.2  | 93.2# |

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#5

2-Fluorophenol

Concen: 58.90 ng

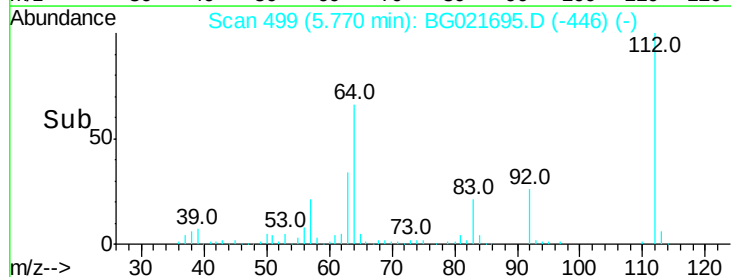
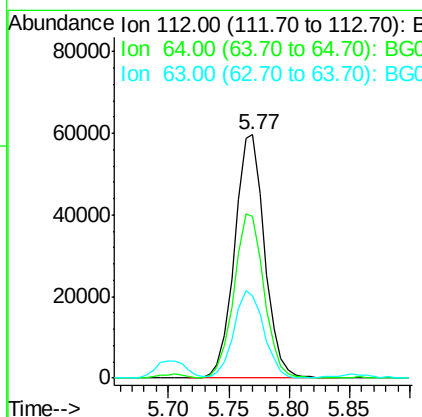
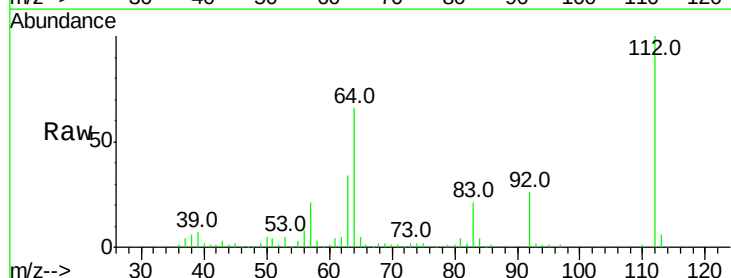
RT: 5.77 min Scan# 499

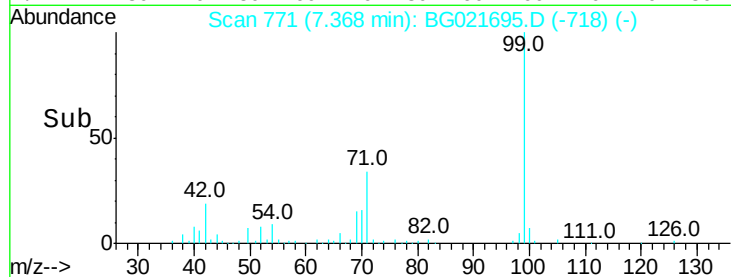
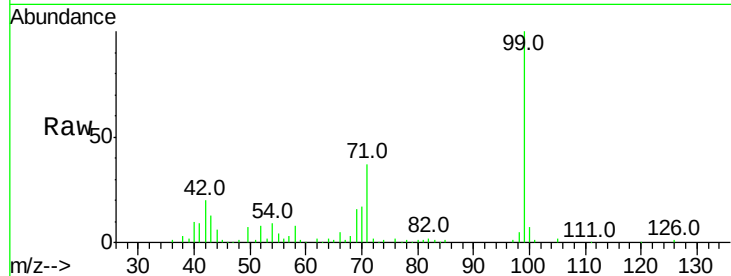
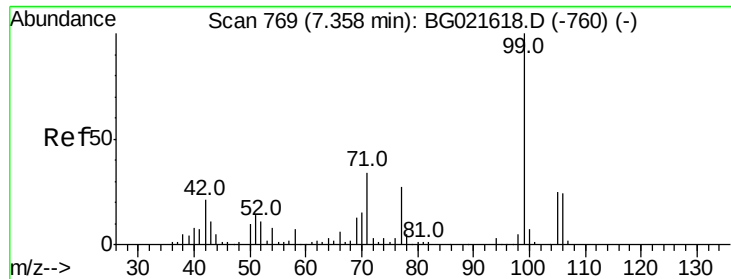
Delta R.T. 0.01 min

Lab File: BG021695.D

Acq: 15 Apr 2016 21:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 103084 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 66.3  | 51.1  | 76.7   |
| 63        | 33.9  | 24.6  | 37.0   |





#7

Phenol-d6

Concen: 36.34 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021695.D

Acq: 15 Apr 2016 21:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 94998 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 19.7  | 16.4  | 24.6  |
| 71        | 37.0  | 25.0  | 37.4  |

Instrument :

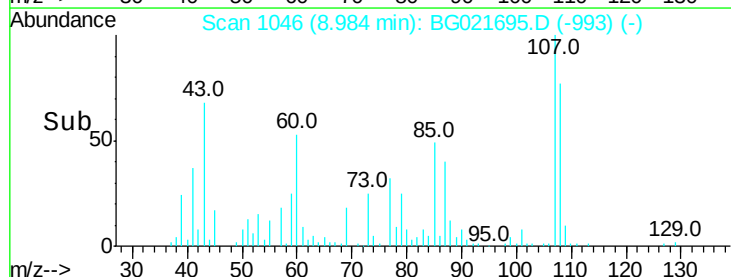
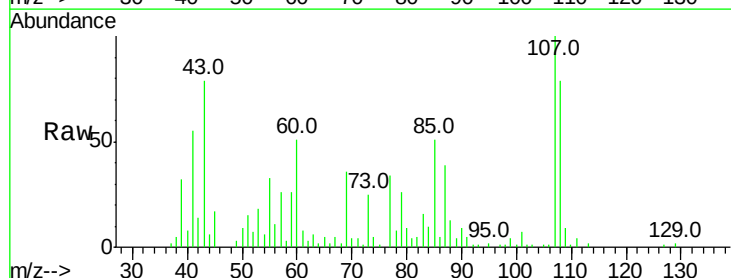
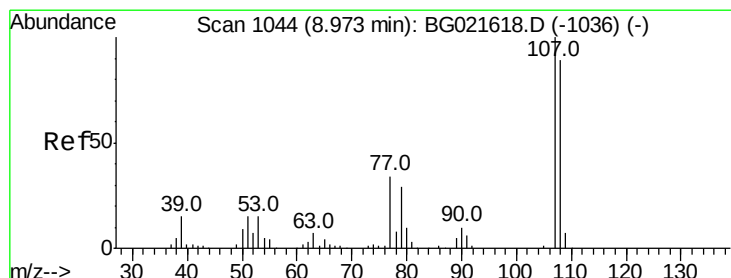
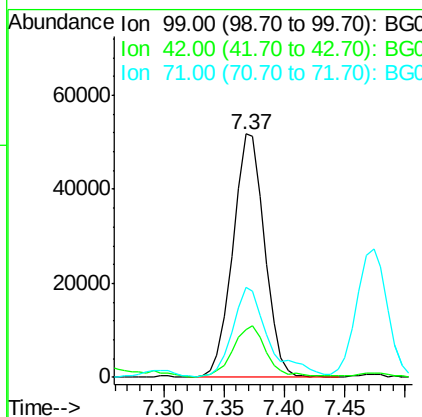
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#20

3+4-Methylphenols

Concen: 13.06 ng

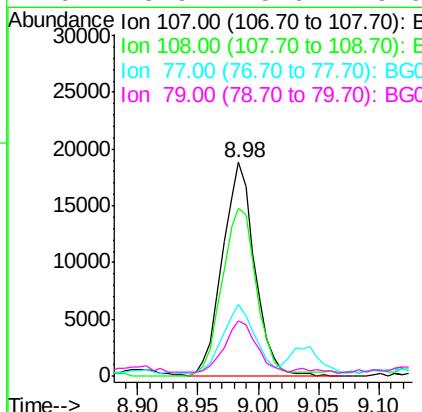
RT: 8.98 min Scan# 1046

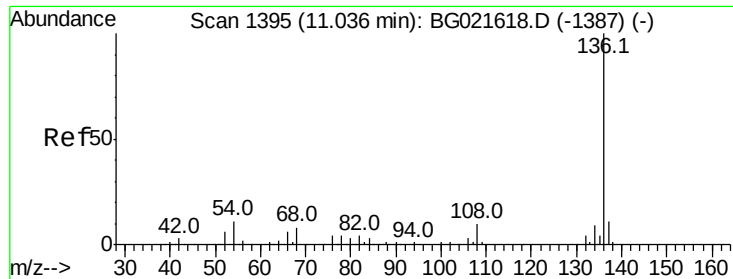
Delta R.T. 0.01 min

Lab File: BG021695.D

Acq: 15 Apr 2016 21:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 34738 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 78.7  | 66.2  | 106.2 |
| 77        | 33.7  | 11.5  | 51.5  |
| 79        | 25.9  | 5.6   | 45.6  |





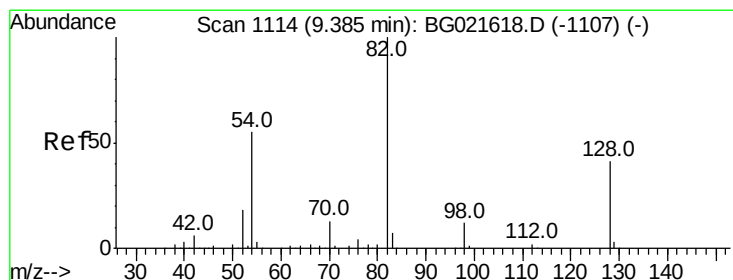
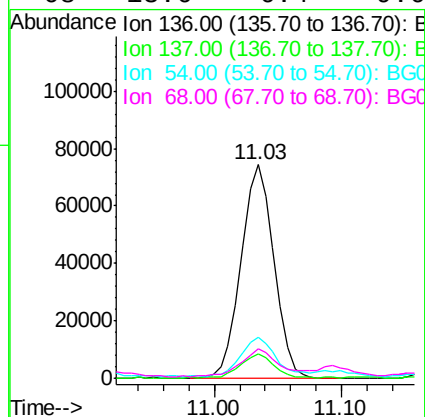
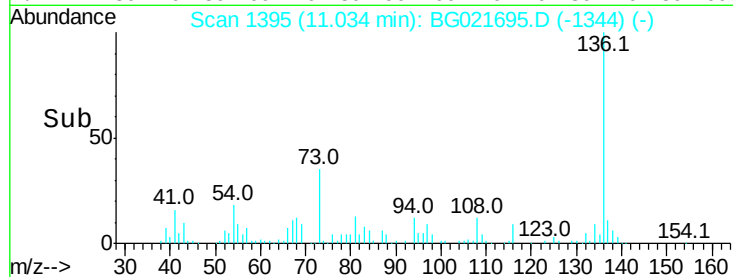
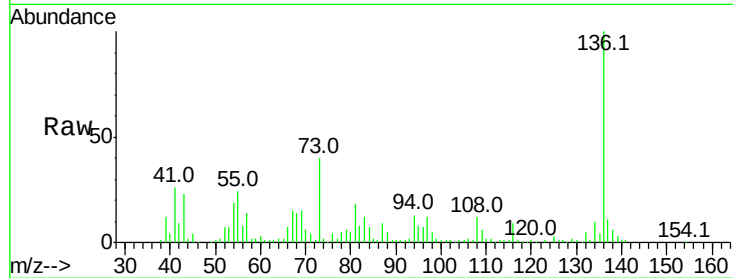
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.03 min Scan# 1395  
Delta R.T. -0.00 min  
Lab File: BG021695.D  
Acq: 15 Apr 2016 21:16

Instrument :  
BNA\_G  
ClientSampled :  
S8-0575

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.1  | 9.0  | 13.4  |       |
| 54      | 19.1  | 9.6  | 14.4  |       |
| 68      | 13.6  | 6.4  | 9.6   |       |

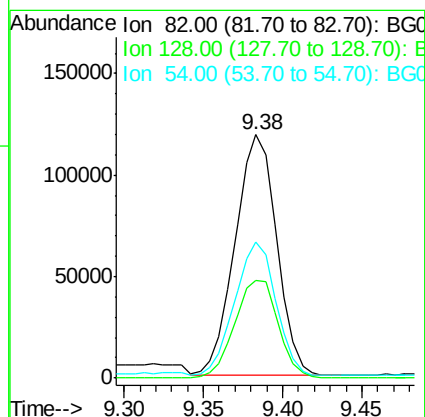
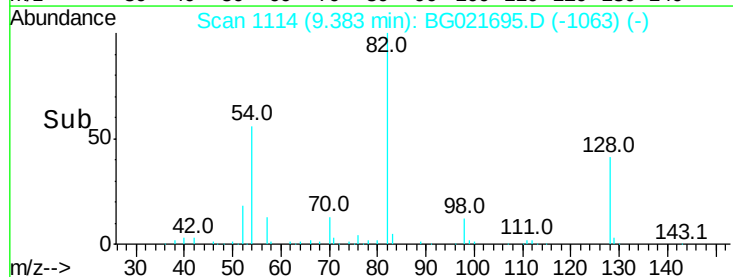
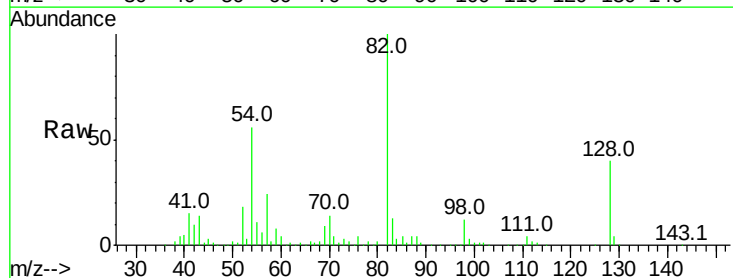
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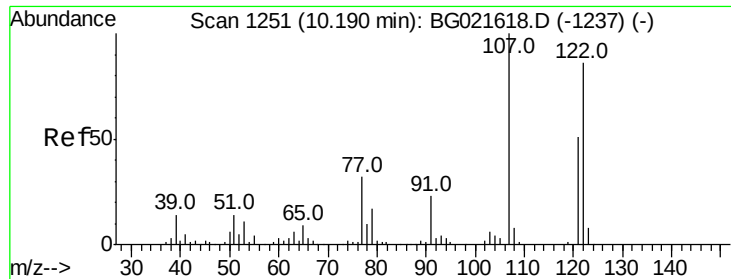
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#23  
Nitrobenzene-d5  
Concen: 82.89 ng  
RT: 9.38 min Scan# 1114  
Delta R.T. -0.00 min  
Lab File: BG021695.D  
Acq: 15 Apr 2016 21:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 40.0  | 33.4 | 50.0  |       |
| 54      | 56.0  | 46.1 | 69.1  |       |





#27

2,4-Dimethylphenol

Concen: 6.34 ng/mL

RT: 10.24 min Scan# 1259

Delta R.T. 0.05 min

Lab File: BG021695.D

Acq: 15 Apr 2016 21:16

Instrument :

BNA\_G

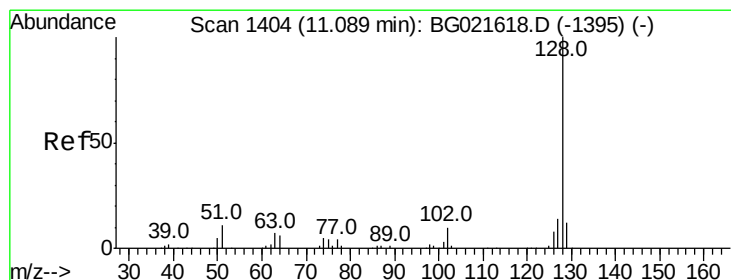
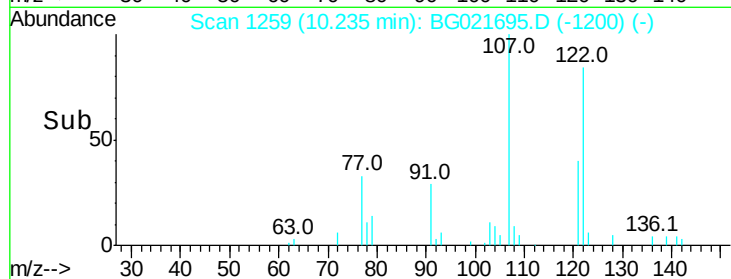
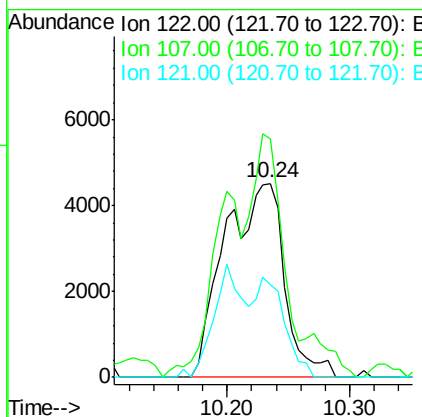
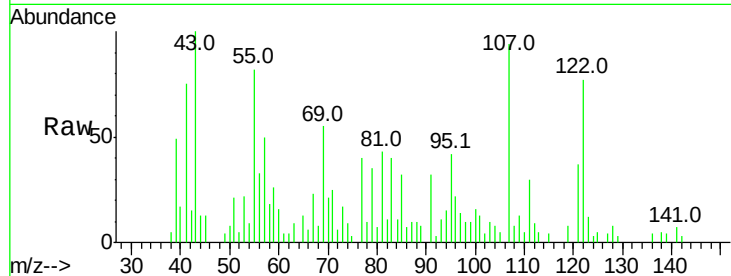
ClientSampleId :

S8-0575

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 122   | Resp: | 15312 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 107       | 123.0 | 97.2  | 145.8 |
| 121       | 47.9  | 49.0  | 73.4# |

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#31

Naphthalene

Concen: 13.01 ng

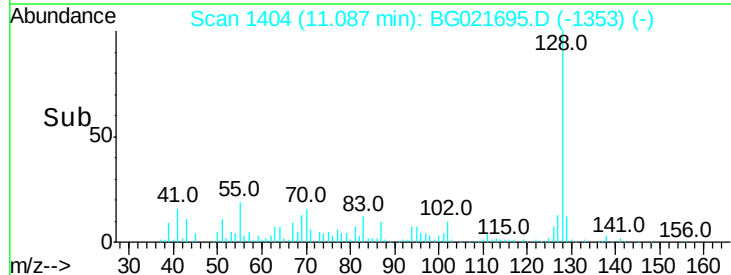
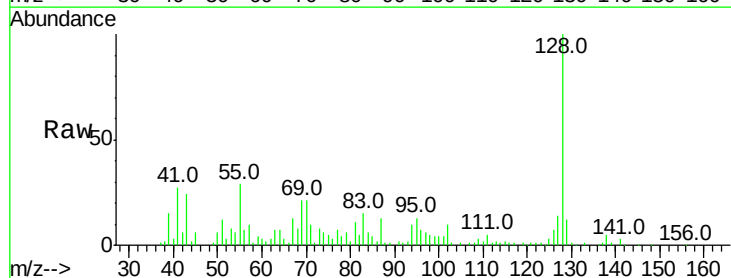
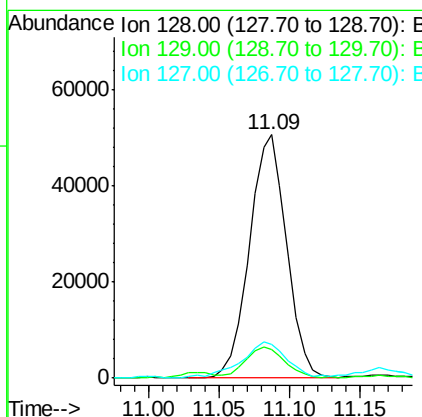
RT: 11.09 min Scan# 1404

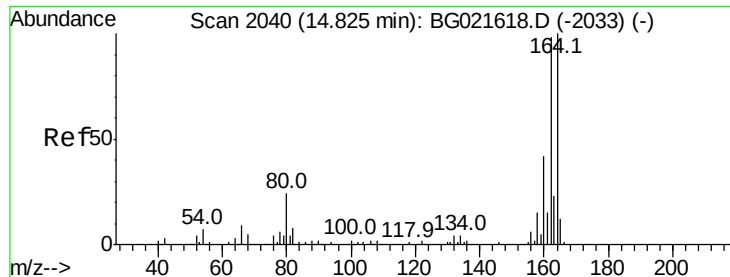
Delta R.T. -0.00 min

Lab File: BG021695.D

Acq: 15 Apr 2016 21:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 93125 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.7  | 7.0   | 10.6# |
| 127       | 13.7  | 10.1  | 15.1  |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG021695.D

Acq: 15 Apr 2016 21:16

Instrument :

BNA\_G

ClientSampled :

S8-0575

Tot Ion:164 Resp: 97087

Ion Ratio Lower Upper

164 100

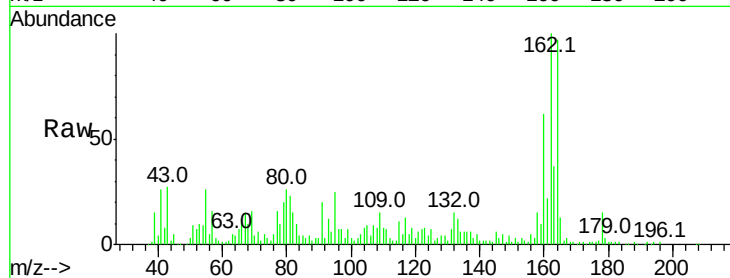
162 103.4 78.0 117.0

160 64.0 32.9 49.3#

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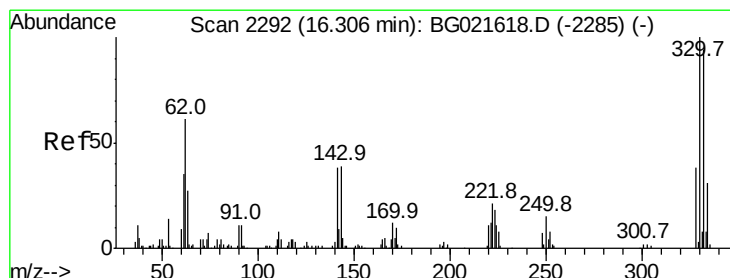
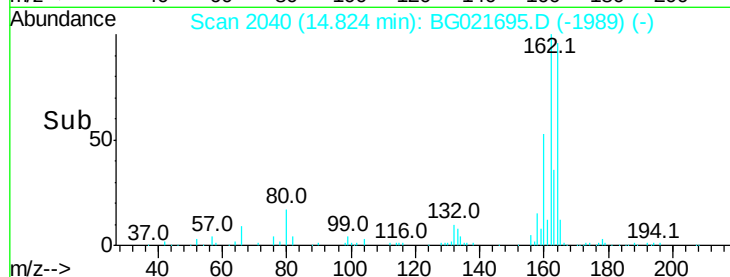
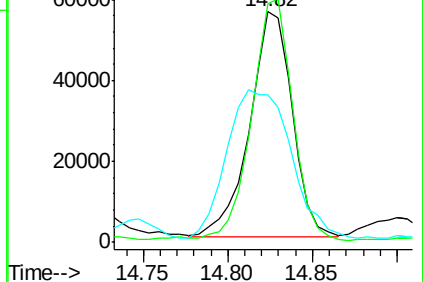
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 150.01 ng

RT: 16.32 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BG021695.D

Acq: 15 Apr 2016 21:16

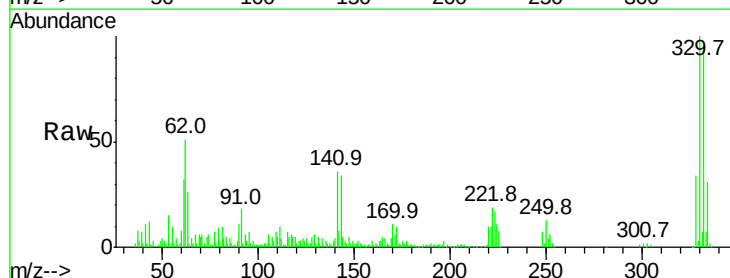
Tgt Ion:330 Resp: 156962

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

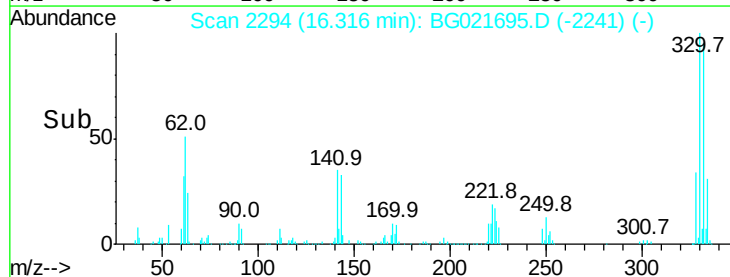
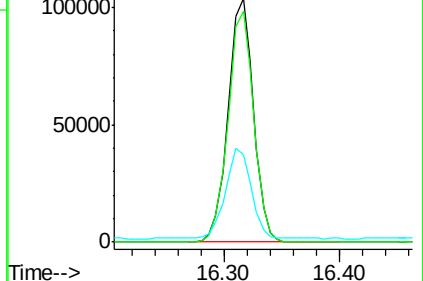
141 37.8 33.8 50.8

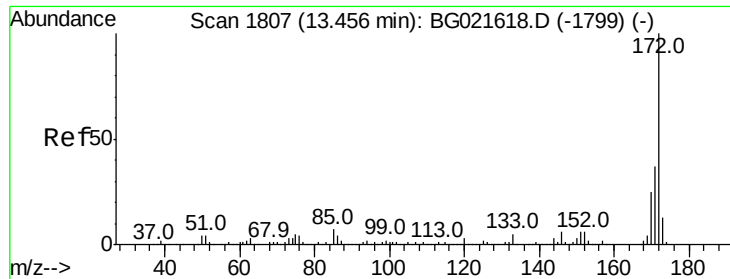


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





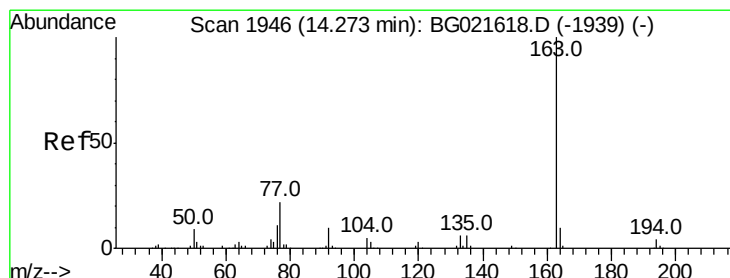
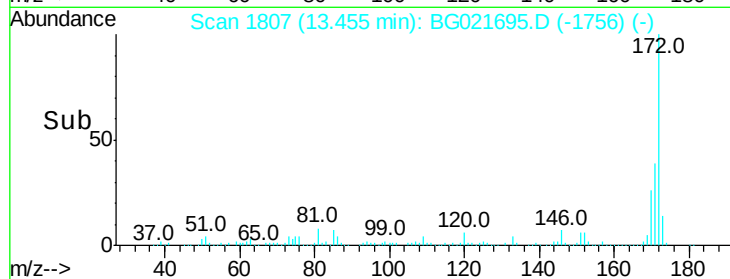
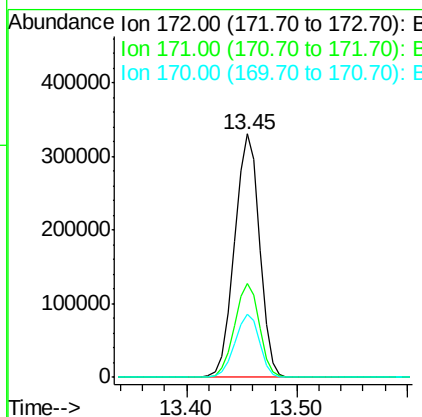
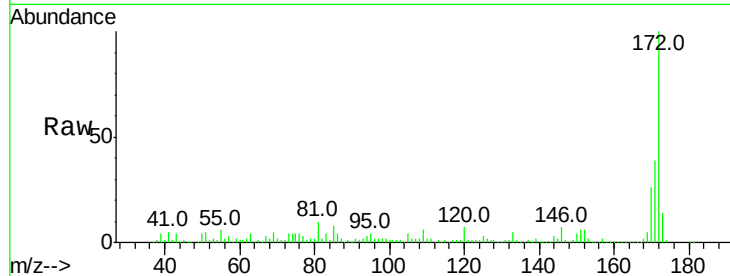
#44  
2-Fluorobiphenyl  
Concen: 79.20 ng  
RT: 13.45 min Scan# 1807  
Delta R.T. -0.00 min  
Lab File: BG021695.D  
Acq: 15 Apr 2016 21:16

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0575

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 524797 |       |       |
| 171     | 38.6  |        | 27.8  | 41.6  |
| 170     | 25.8  |        | 19.6  | 29.4  |

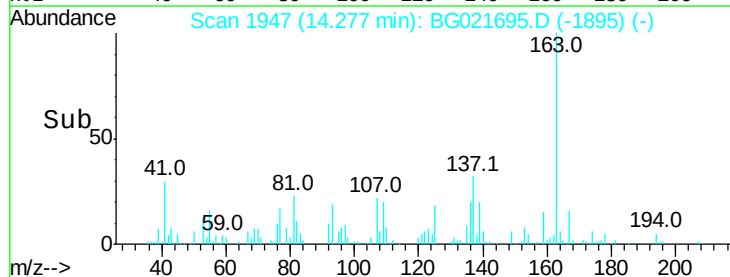
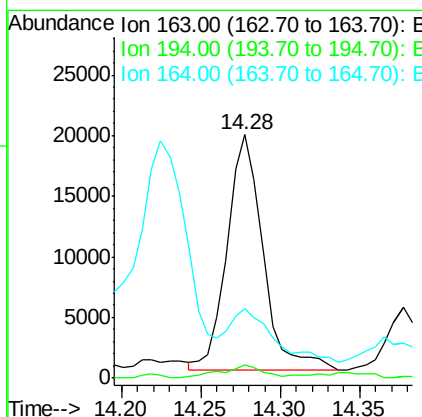
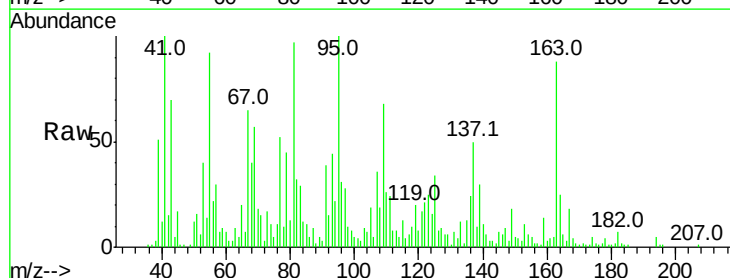
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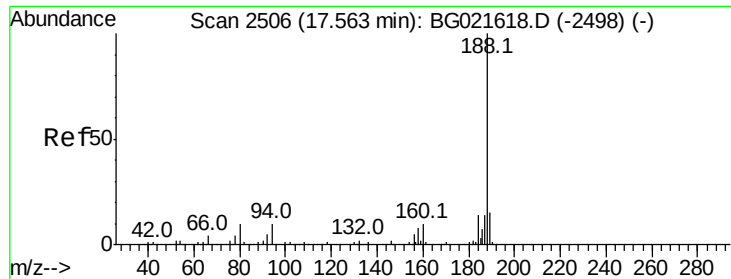


#49  
Dimethylphthalate  
Concen: 3.62 ng  
RT: 14.28 min Scan# 1947  
Delta R.T. 0.00 min  
Lab File: BG021695.D  
Acq: 15 Apr 2016 21:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 30355 |       |       |
| 194     | 5.3   |       | 3.0   | 4.6#  |
| 164     | 28.7  |       | 8.1   | 12.1# |







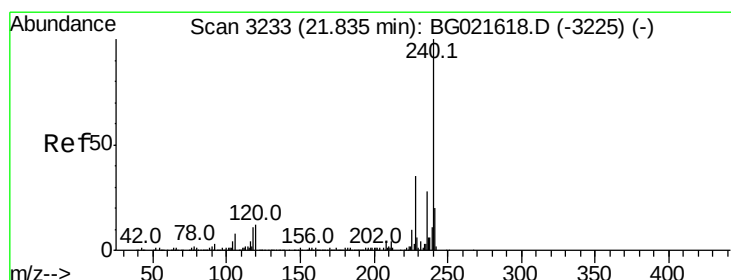
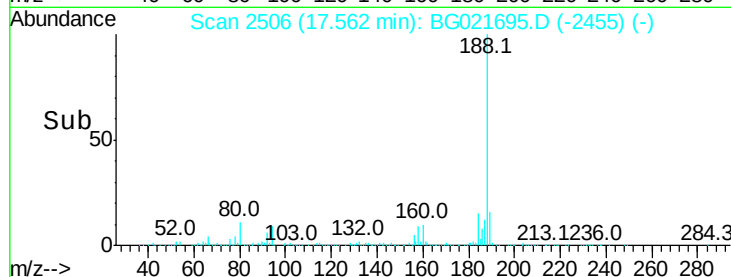
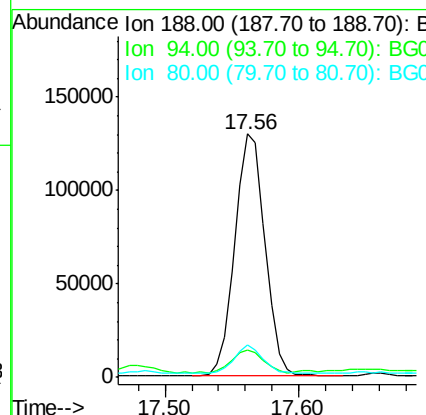
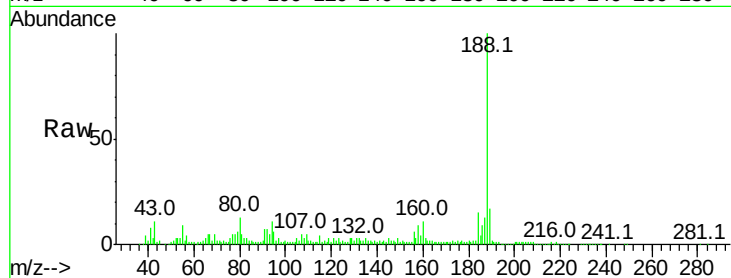
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.56 min Scan# 2506  
Delta R.T. -0.00 min  
Lab File: BG021695.D  
Acq: 15 Apr 2016 21:16

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0575

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 11.2  | 7.5        | 11.3  |
| 80      | 13.4  | 8.6        | 13.0  |

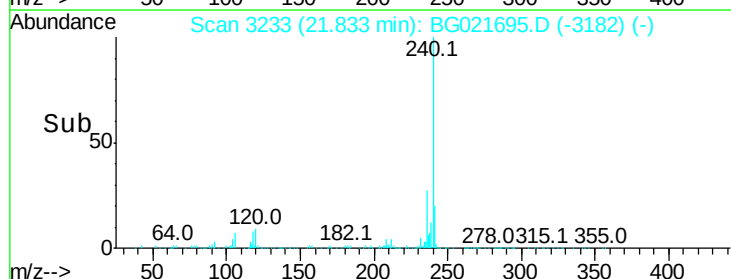
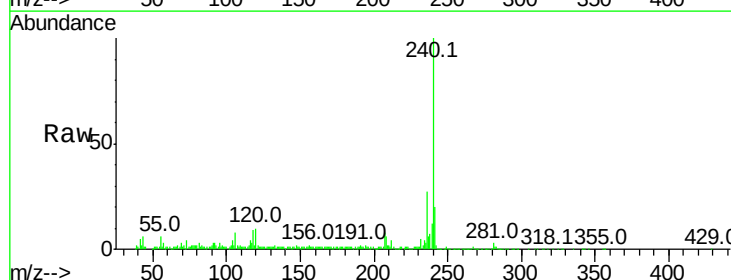
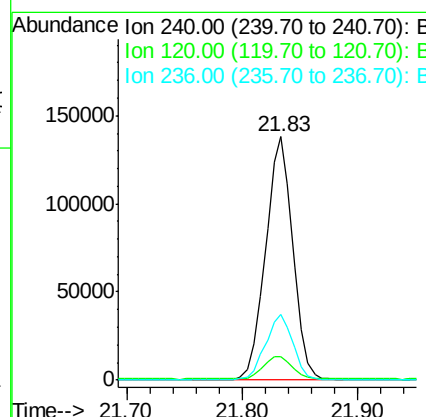
Manual Integrations  
APPROVED

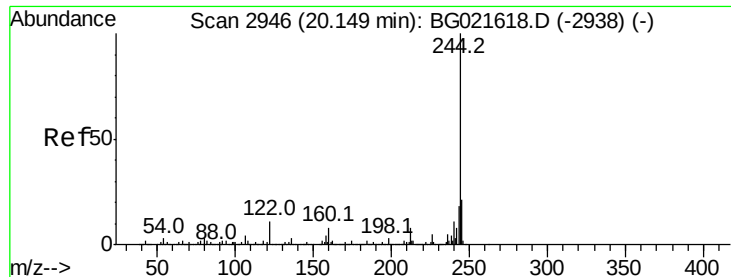
Sohil  
4/18/2016 7:18:43 PM



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.83 min Scan# 3233  
Delta R.T. -0.00 min  
Lab File: BG021695.D  
Acq: 15 Apr 2016 21:16

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 9.7   | 8.4        | 12.6  |
| 236     | 27.0  | 19.6       | 29.4  |





#78

Terphenyl-d14

Concen: 70.55 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG021695.D

Acq: 15 Apr 2016 21:16

Instrument :

BNA\_G

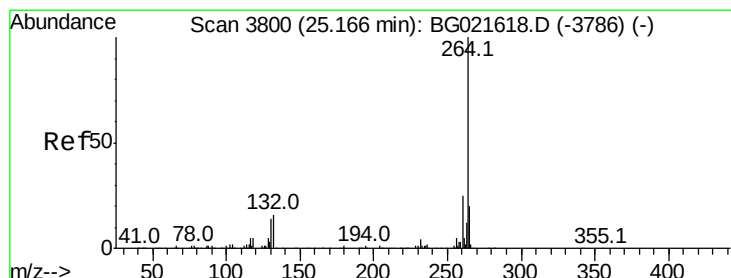
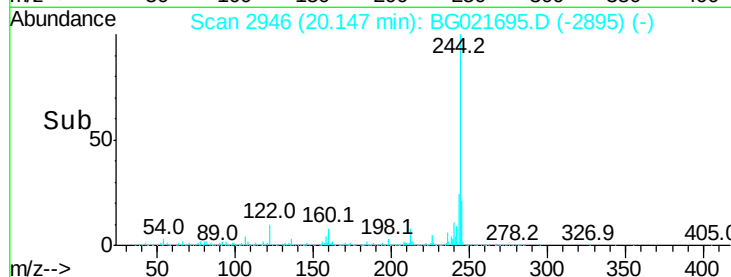
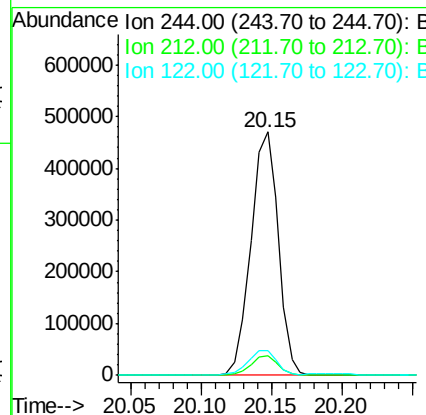
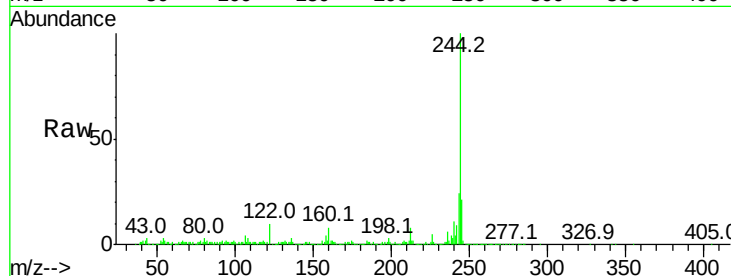
ClientSampleId :

S8-0575

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 244   | Resp: | 637813 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.8   | 6.5   | 9.7    |
| 122       | 10.3  | 8.6   | 12.8   |

Manual Integrations  
APPROVED

Sohil  
4/18/2016 7:18:43 PM



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.16 min Scan# 3800

Delta R.T. -0.00 min

Lab File: BG021695.D

Acq: 15 Apr 2016 21:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 223193 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.3  | 20.2  | 30.4   |
| 265       | 22.8  | 17.8  | 26.8   |

