

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\  
 Data File : BG043006.D  
 Acq On : 3 Oct 2019 5:21  
 Operator : JU  
 Sample : K5131-19  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20190833-COMPOSITE-I

Manual Integrations  
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mohammad  
 10/4/2019 8:18:16 AM

Quant Time: Oct 03 06:41:49 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 70981    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.87 | 136  | 253452   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.69 | 164  | 182588   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.43 | 188  | 423182   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.70 | 240  | 455343   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.92 | 264  | 521016   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 457787   | 115.10 | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 597314   | 104.29 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 479610   | 91.98  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330  | 442880   | 141.06 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 1150497  | 91.35  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.04 | 244  | 2023178  | 94.68  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 10.12 | 122  | 12009m   | 7.903  | ng    | Qvalue   |
| 50) Dimethylphthalate       | 14.13 | 163  | 33122    | 2.421  | ng    | # 97     |

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

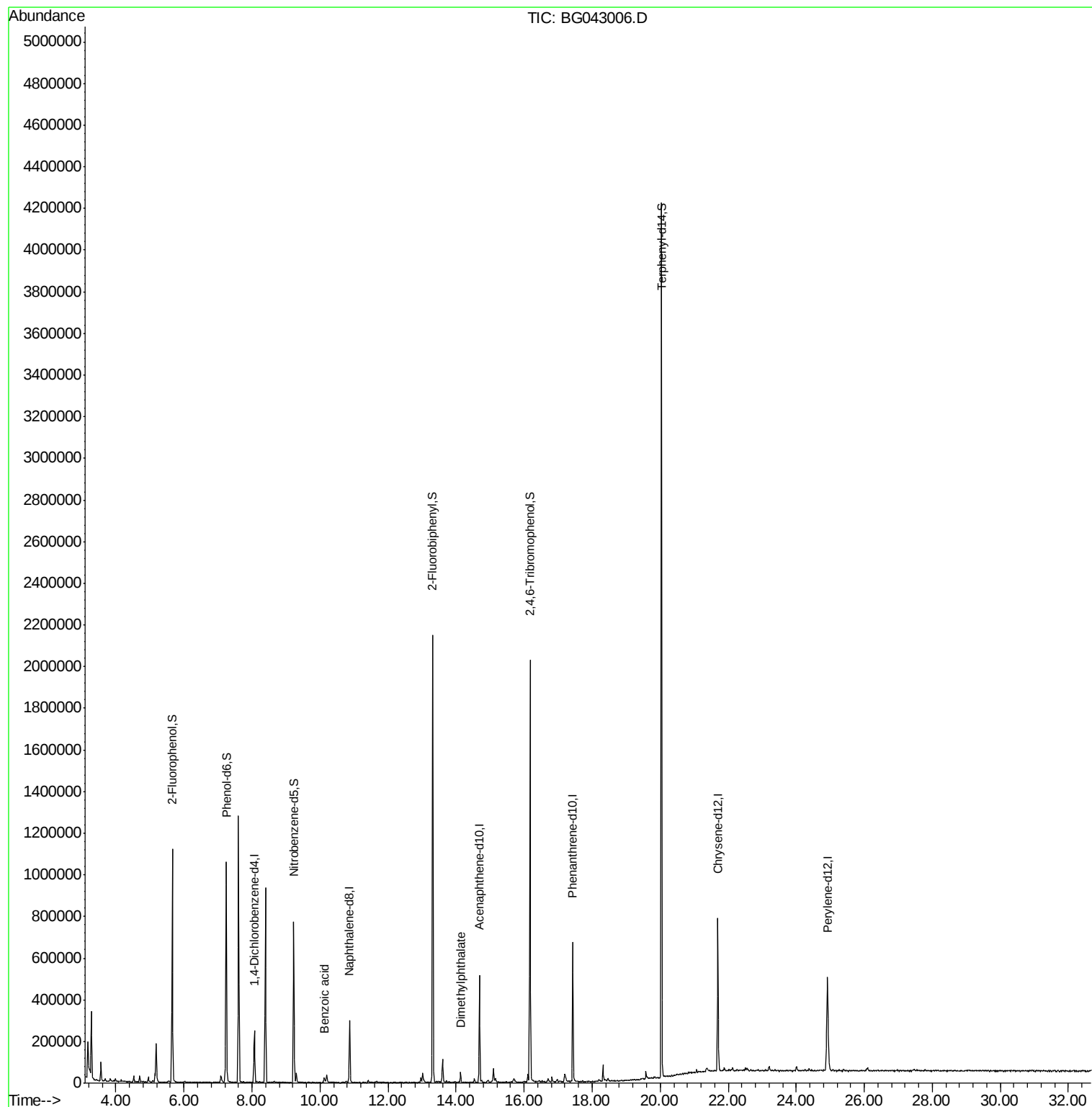
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\  
Data File : BG043006.D  
Acq On : 3 Oct 2019 5:21  
Operator : JU  
Sample : K5131-19  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

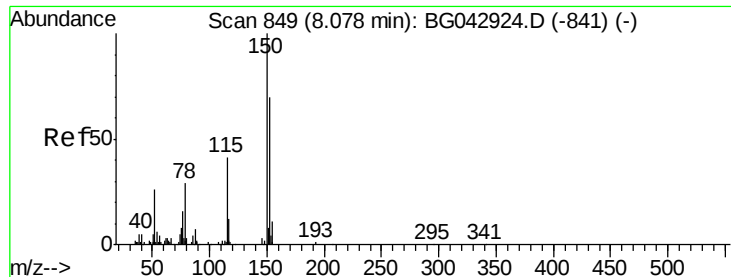
Instrument :  
BNA\_G  
ClientSampleId :  
20190833-COMPOSITE-I

Manual Integrations  
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Quant Time: Oct 03 06:41:49 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 25 15:35:52 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

Instrument :

BNA\_G

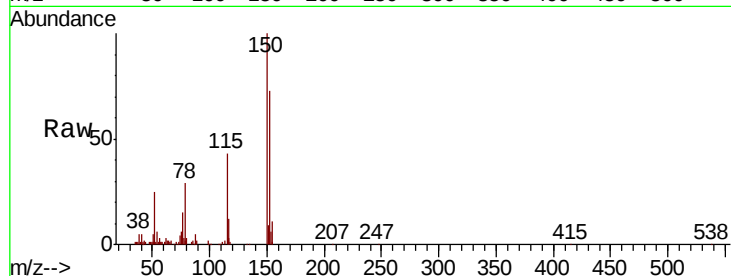
ClientSampleId :

20190833-COMPOSITE-I

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 137.4 | 115.0 | 172.4 |
| 115     | 58.9  | 47.0  | 70.6  |

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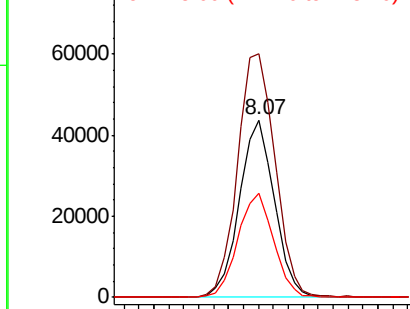


Abundance

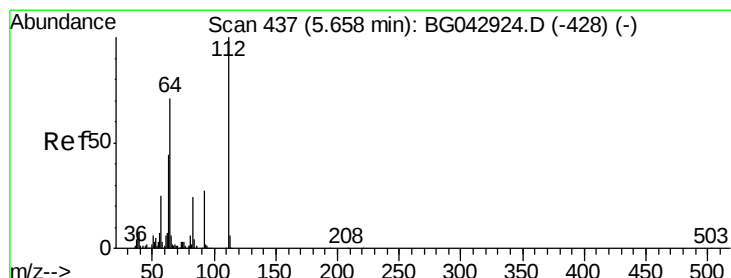
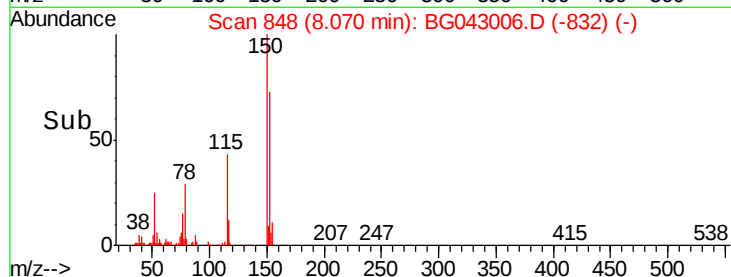
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 115.098 ng

RT: 5.66 min Scan# 437

Delta R.T. -0.00 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

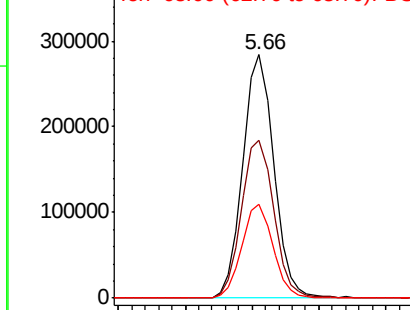
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.0  | 56.6  | 84.8  |
| 63      | 38.7  | 35.1  | 52.7  |

Abundance

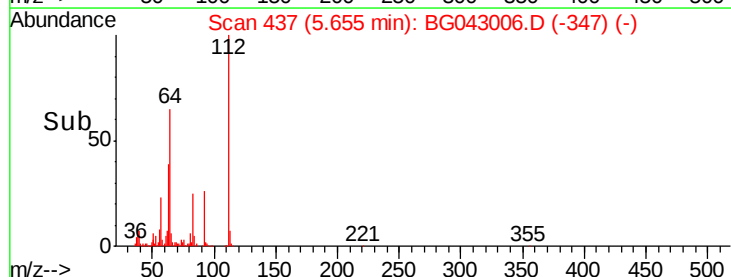
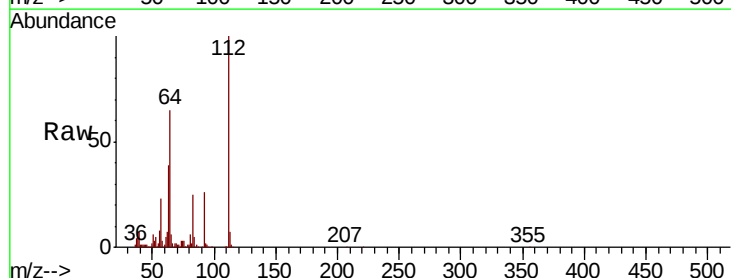
Ion 112.00 (111.70 to 112.70): E

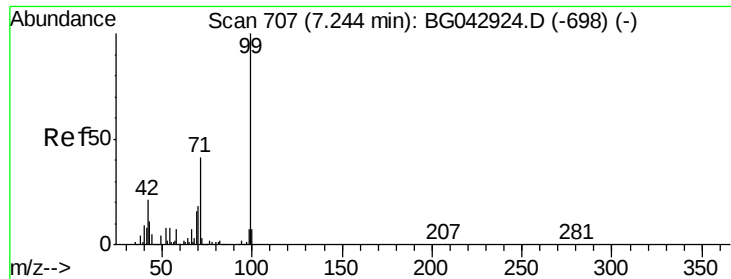
Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0



Time-->





#7

Phenol-d6

Concen: 104.286 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

Instrument :

BNA\_G

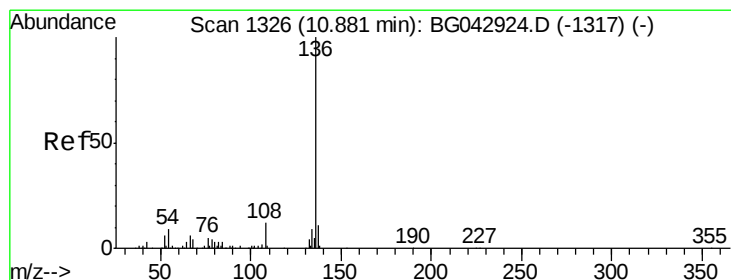
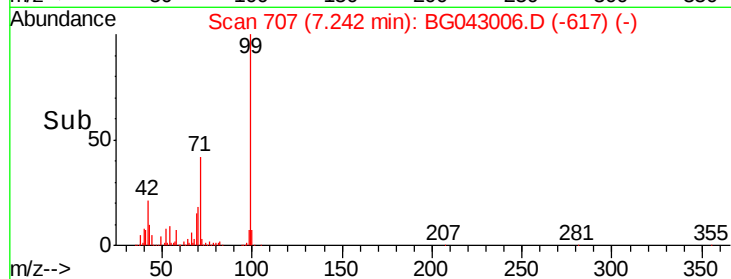
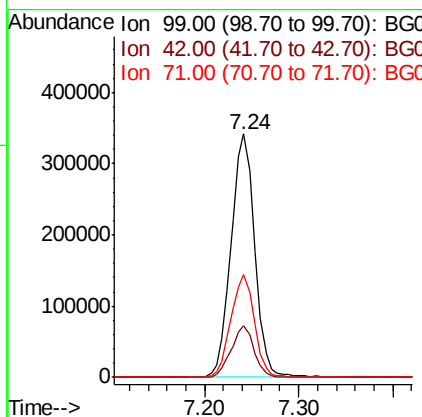
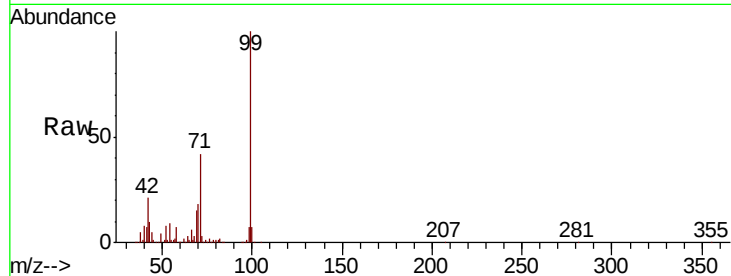
ClientSampleId :

20190833-COMPOSITE-I

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 597314 |       |       |
| 42      | 21.1 | 17.2  | 25.8   |       |       |
| 71      | 42.0 | 33.1  | 49.7   |       |       |

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#21

Naphthalene-d8

Concen: 20.000 ng

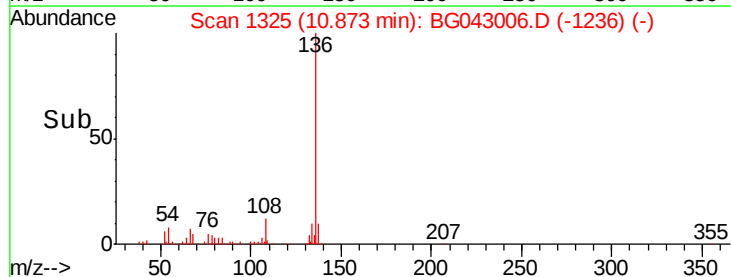
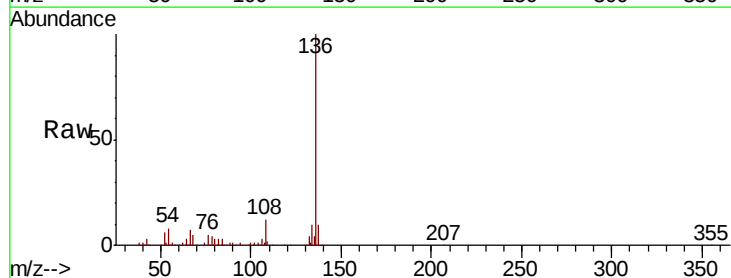
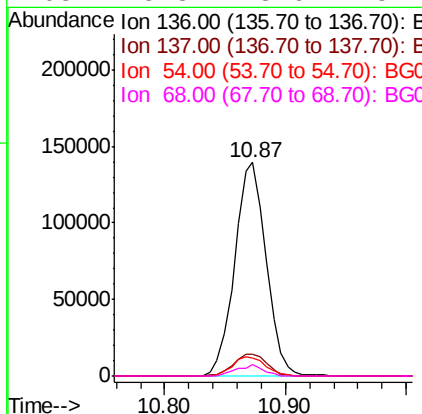
RT: 10.87 min Scan# 1325

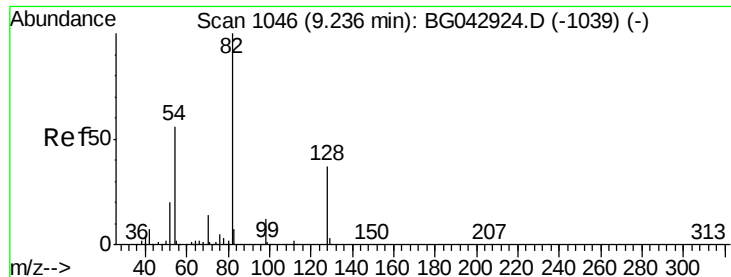
Delta R.T. -0.01 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 253452 |       |       |
| 137     | 10.4 | 8.5   | 12.7   |       |       |
| 54      | 8.3  | 7.4   | 11.2   |       |       |
| 68      | 5.3  | 3.6   | 5.4    |       |       |





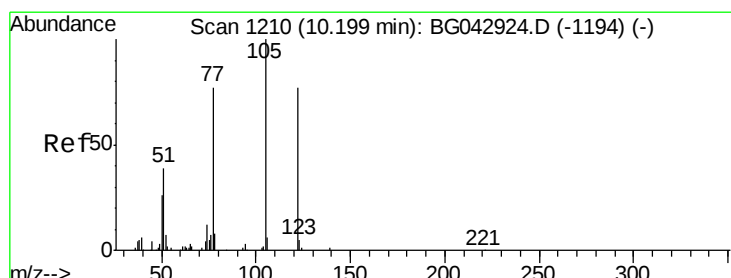
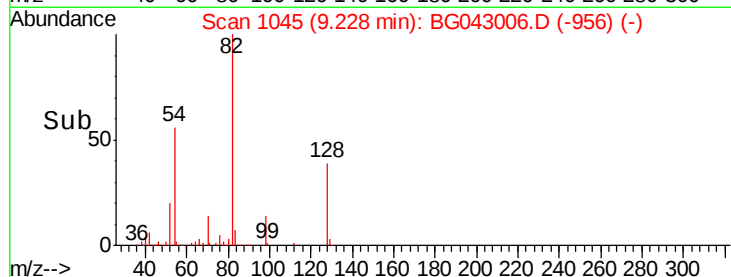
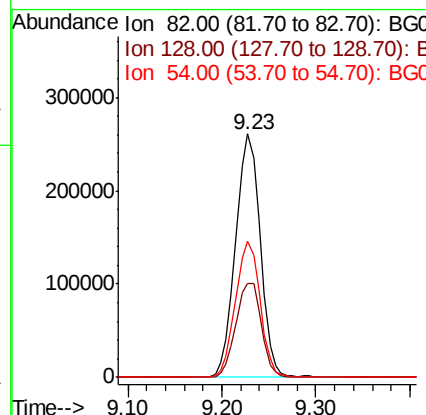
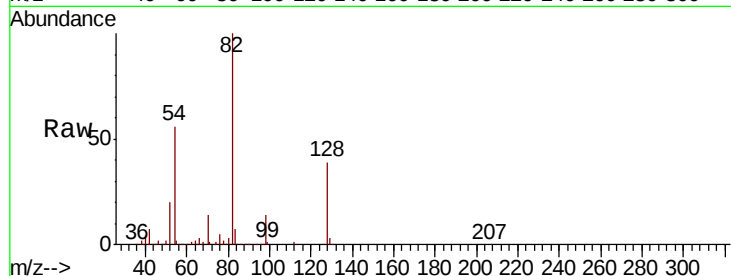
#23  
 Nitrobenzene-d5  
 Concen: 91.976 ng  
 RT: 9.23 min Scan# 1045  
 Delta R.T. -0.01 min  
 Lab File: BG043006.D  
 Acq: 3 Oct 2019 5:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20190833-COMPOSITE-I

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.7  | 29.5  | 44.3  |
| 54      | 55.7  | 44.6  | 67.0  |

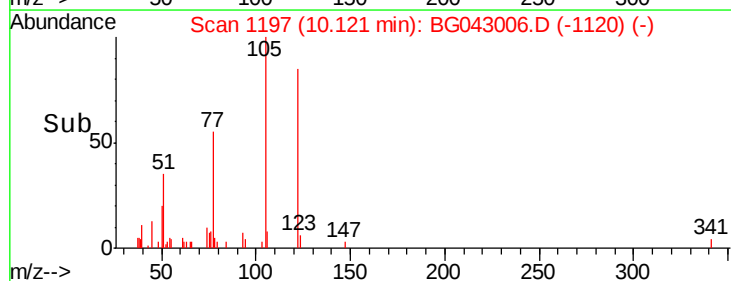
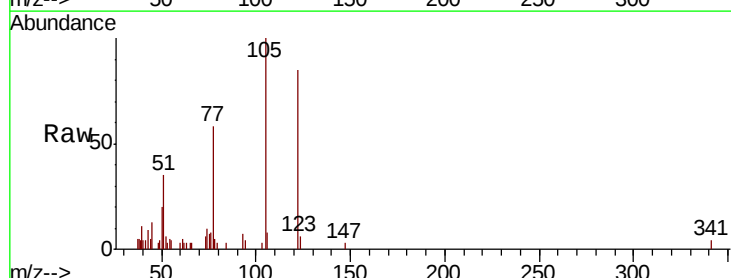
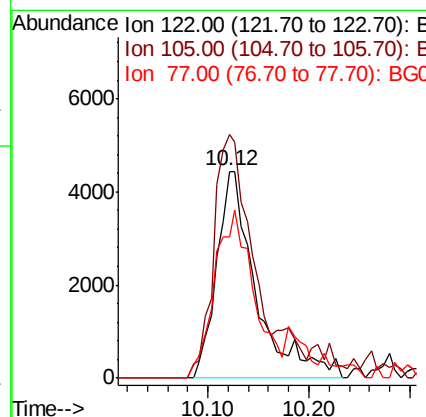
Manual Integrations  
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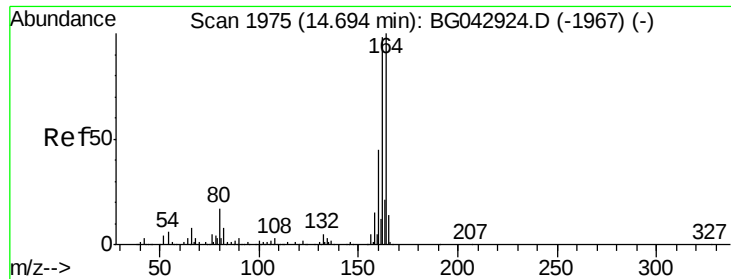
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#32  
 Benzoic acid  
 Concen: 7.903 ng m  
 RT: 10.12 min Scan# 1197  
 Delta R.T. -0.08 min  
 Lab File: BG043006.D  
 Acq: 3 Oct 2019 5:21

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 117.7 | 107.5 | 147.5  |
| 77      | 68.5  | 79.8  | 119.8# |





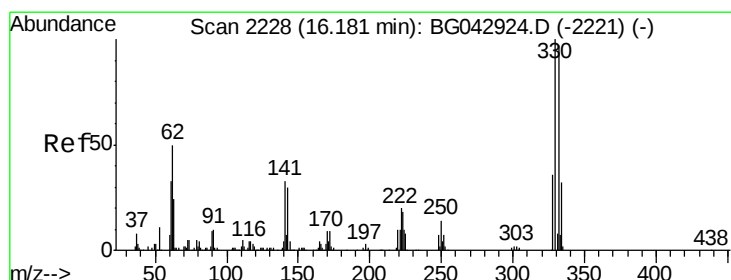
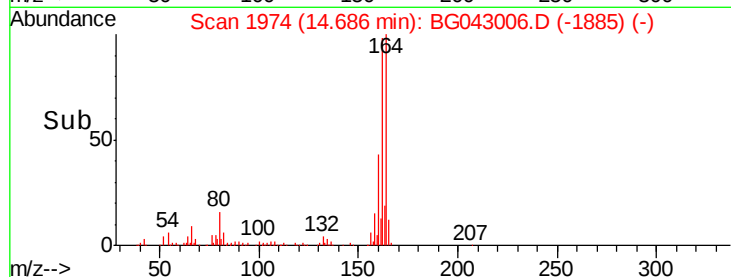
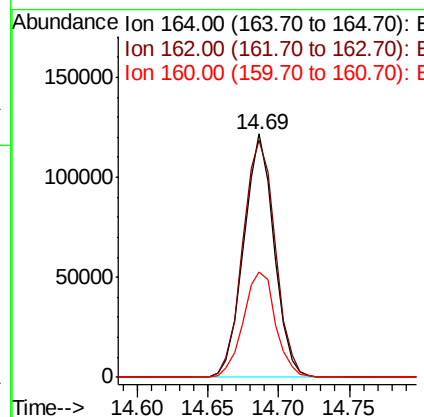
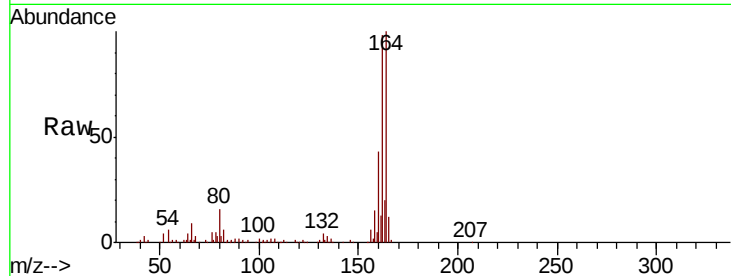
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.69 min Scan# 1974  
Delta R.T. -0.01 min  
Lab File: BG043006.D  
Acq: 3 Oct 2019 5:21

Instrument :  
BNA\_G  
ClientSampleId :  
20190833-COMPOSITE-I

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.6  | 78.5  | 117.7 |
| 160     | 43.1  | 35.9  | 53.9  |

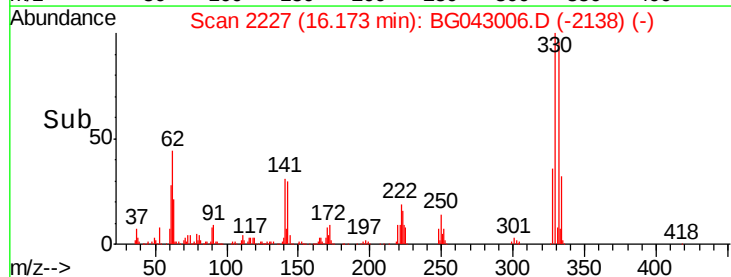
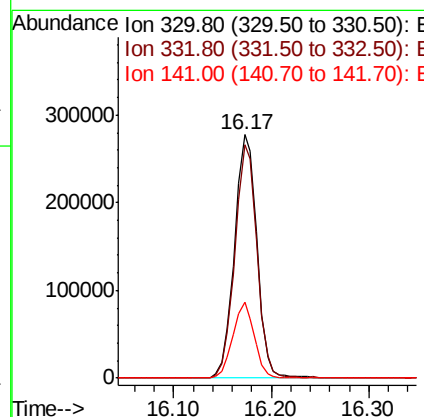
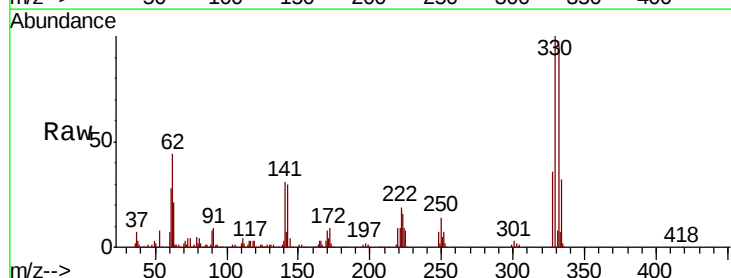
Manual Integrations  
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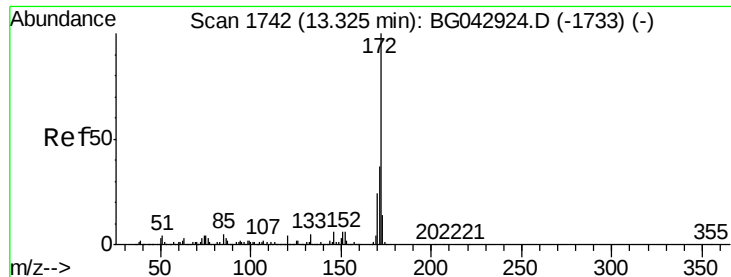
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#42  
2,4,6-Tribromophenol  
Concen: 141.057 ng  
RT: 16.17 min Scan# 2227  
Delta R.T. -0.01 min  
Lab File: BG043006.D  
Acq: 3 Oct 2019 5:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.0  | 78.2  | 117.2 |
| 141     | 29.9  | 26.0  | 39.0  |





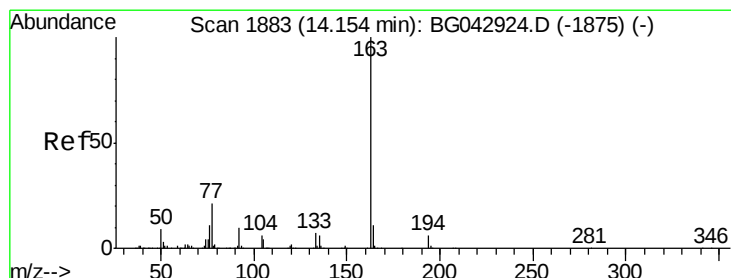
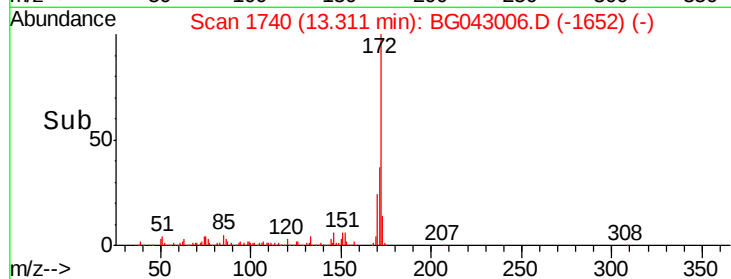
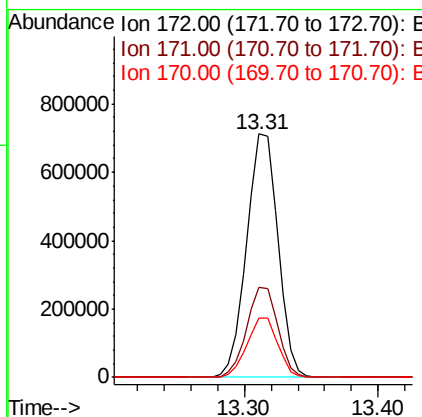
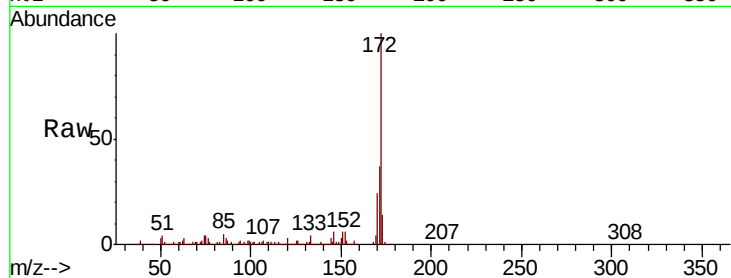
#45  
2-Fluorobiphenyl  
Concen: 91.346 ng  
RT: 13.31 min Scan# 1740  
Delta R.T. -0.01 min  
Lab File: BG043006.D  
Acq: 3 Oct 2019 5:21

Instrument :  
BNA\_G  
ClientSampleId :  
20190833-COMPOSITE-I

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.6  | 44.4  |
| 170     | 24.5  | 19.6  | 29.4  |

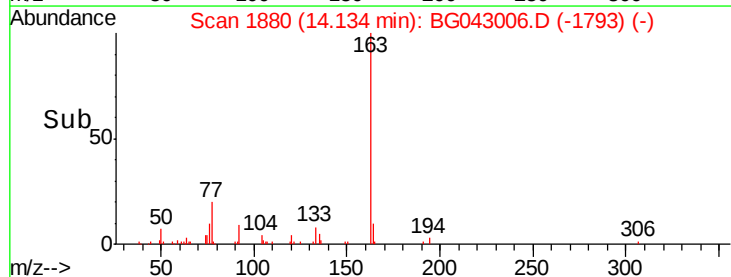
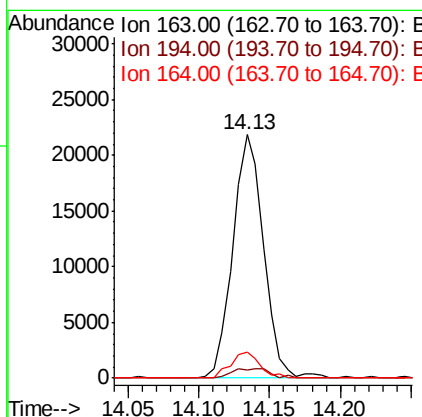
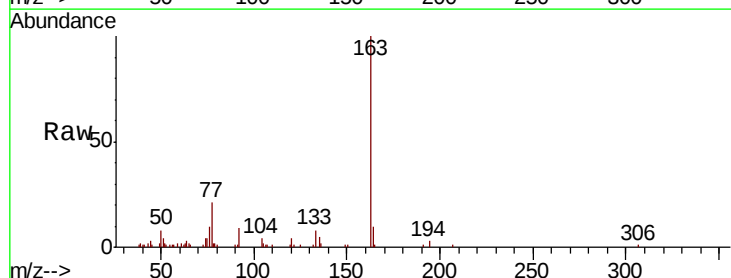
Manual Integrations  
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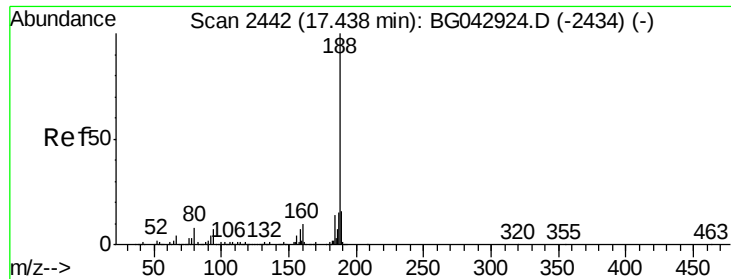
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#50  
Dimethylphthalate  
Concen: 2.421 ng  
RT: 14.13 min Scan# 1880  
Delta R.T. -0.02 min  
Lab File: BG043006.D  
Acq: 3 Oct 2019 5:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.2   | 4.4   | 6.6#  |
| 164     | 10.5  | 8.6   | 12.8  |





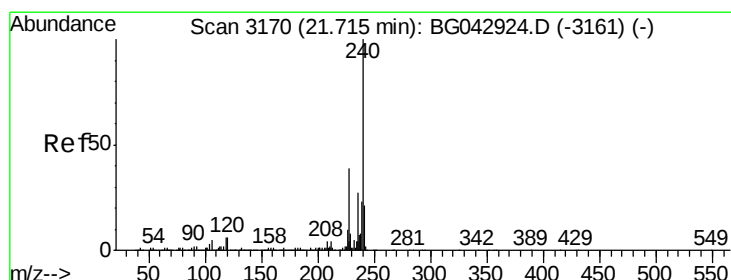
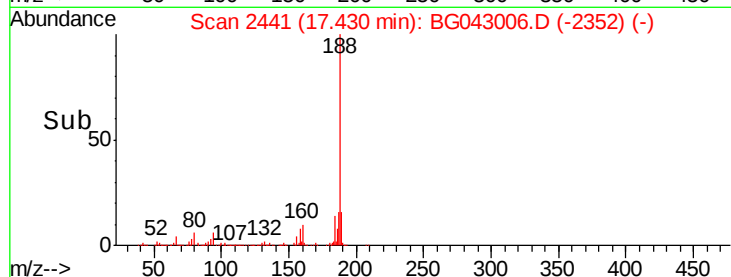
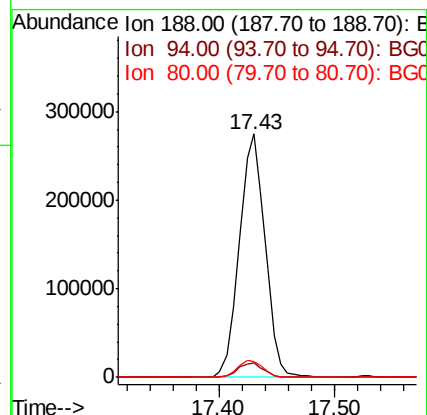
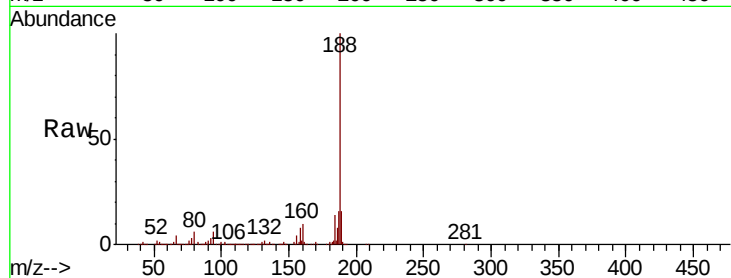
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.43 min Scan# 2441  
Delta R.T. -0.01 min  
Lab File: BG043006.D  
Acq: 3 Oct 2019 5:21

Instrument :  
BNA\_G  
ClientSampleId :  
20190833-COMPOSITE-I

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 6.0   | 5.7        | 8.5   |
| 80      | 6.5   | 6.5        | 9.7#  |

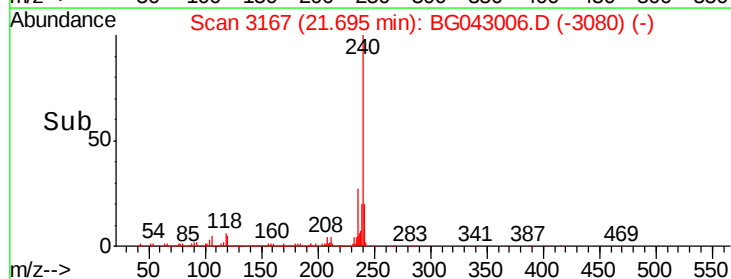
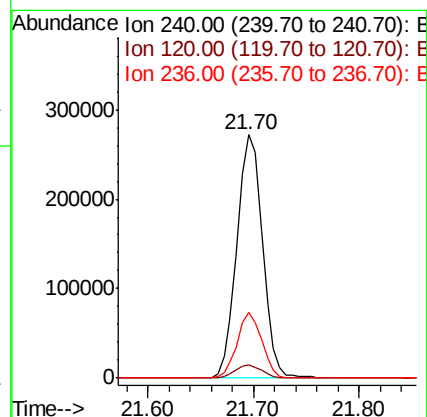
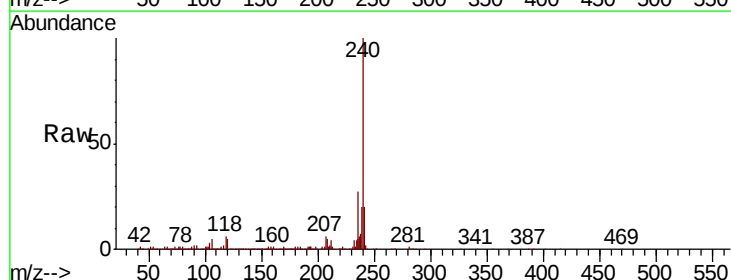
Manual Integrations  
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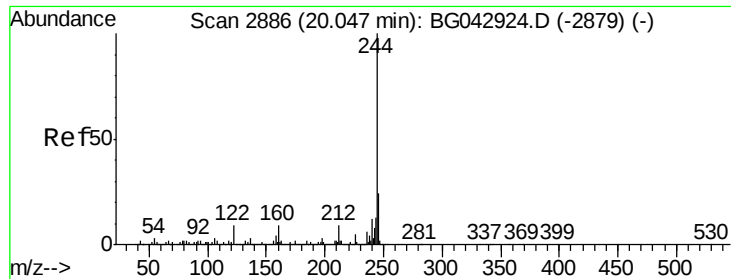
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#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.70 min Scan# 3167  
Delta R.T. -0.02 min  
Lab File: BG043006.D  
Acq: 3 Oct 2019 5:21

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 5.4   | 4.8        | 7.2   |
| 236     | 27.1  | 21.4       | 32.0  |





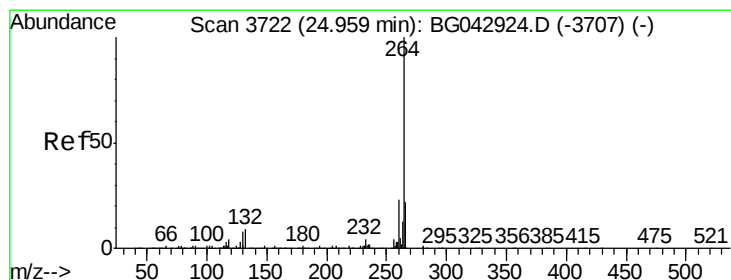
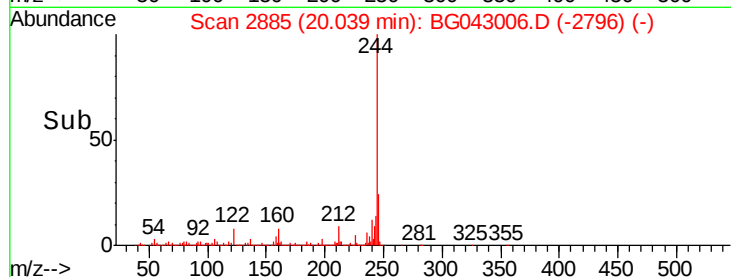
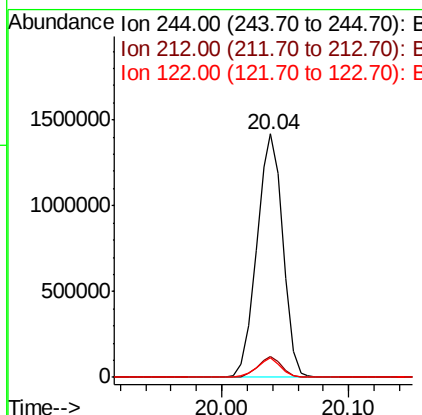
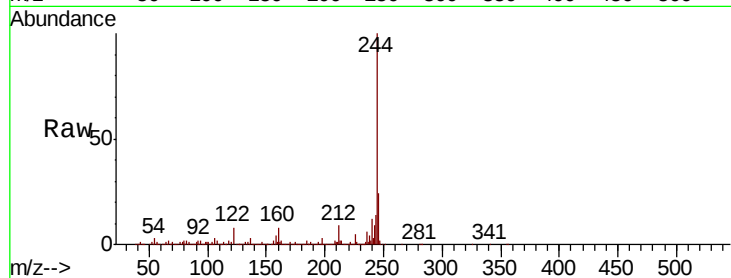
#79  
 Terphenyl-d14  
 Concen: 94.679 ng  
 RT: 20.04 min Scan# 2885  
 Delta R.T. -0.01 min  
 Lab File: BG043006.D  
 Acq: 3 Oct 2019 5:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20190833-COMPOSITE-I

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.7   | 7.4   | 11.0  |
| 122     | 8.2   | 7.0   | 10.4  |

Manual Integrations  
 APPROVED

mohammad  
 10/4/2019 8:18:16 AM



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.92 min Scan# 3715  
 Delta R.T. -0.04 min  
 Lab File: BG043006.D  
 Acq: 3 Oct 2019 5:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 18.7  | 28.1  |
| 265     | 20.9  | 17.7  | 26.5  |

