

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\  
 Data File : BF110322.D  
 Acq On : 30 Oct 2018 23:54  
 Operator : JU/SJ  
 Sample : J5665-02DL 50X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DL-06BDL

Manual Integrations  
 APPROVED

Sohil  
 10/31/2018 11:15:11 AM

Quant Time: Oct 31 07:43:05 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 29 17:29:00 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 92580    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.26  | 136  | 364105   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 10.02 | 164  | 143822   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.51 | 188  | 226591   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.16 | 240  | 189598   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.70 | 264  | 123833   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 7417     | 1.30   | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 10129    | 1.39   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 7977m    | 1.30   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.82 | 330  | 1175     | 0.82   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.33  | 172  | 11980    | 1.31   | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.09 | 244  | 9189     | 1.01   | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 8.27  | 128  | 217563   | 12.965 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.97  | 142  | 256210   | 23.076 | ng    | 99       |
| 38) 1-Methylnaphthalene     | 9.07  | 142  | 149794   | 13.961 | ng    | 98       |

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

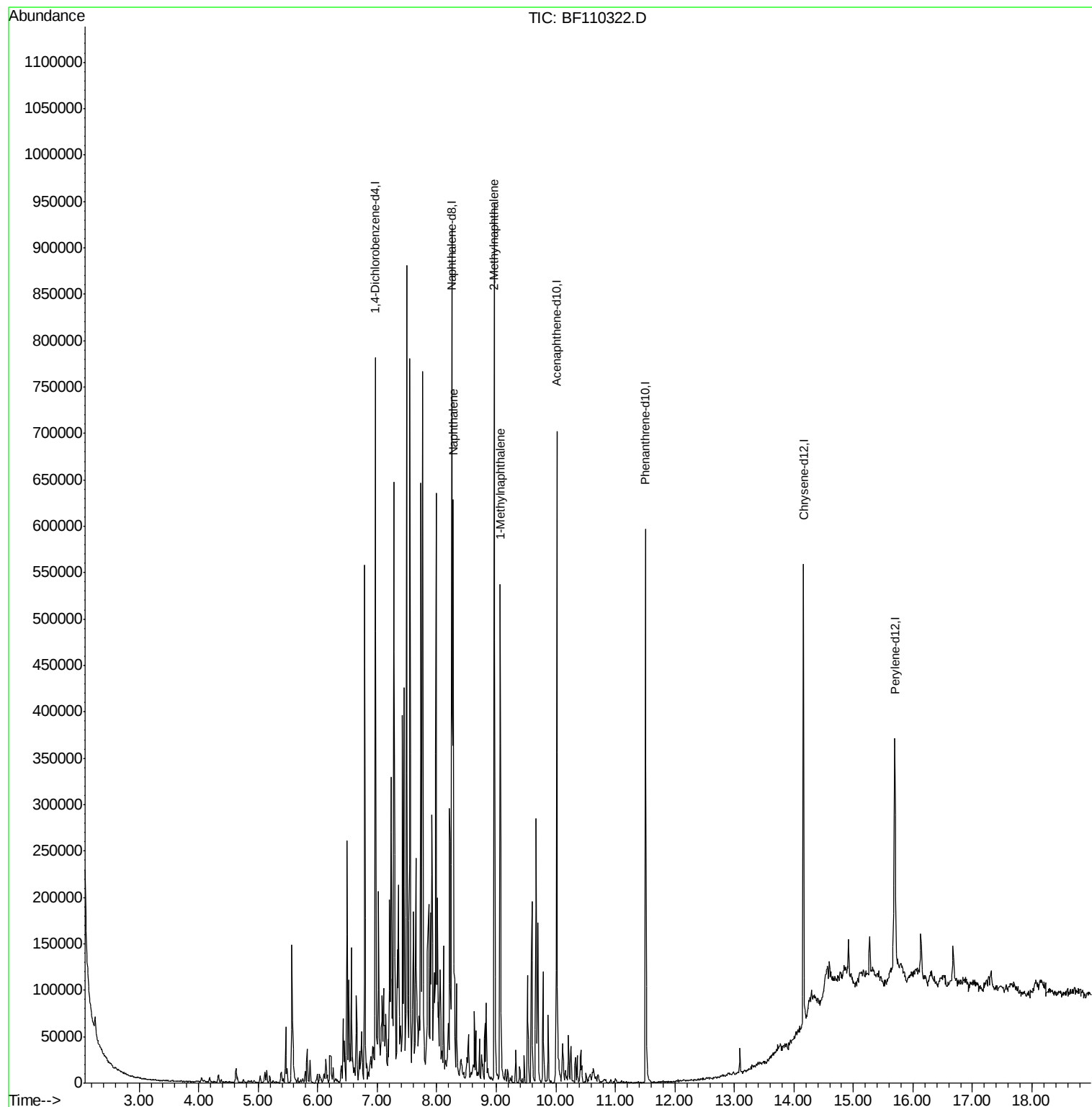
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\  
Data File : BF110322.D  
Acq On : 30 Oct 2018 23:54  
Operator : JU/SJ  
Sample : J5665-02DL 50X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DL-06BDL

Manual Integrations  
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Quant Time: Oct 31 07:43:05 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 29 17:29:00 2018  
Response via : Initial Calibration





#1

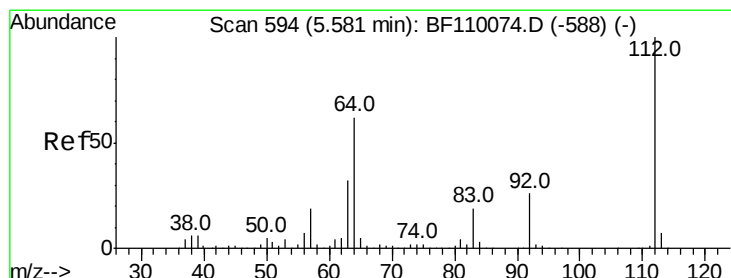
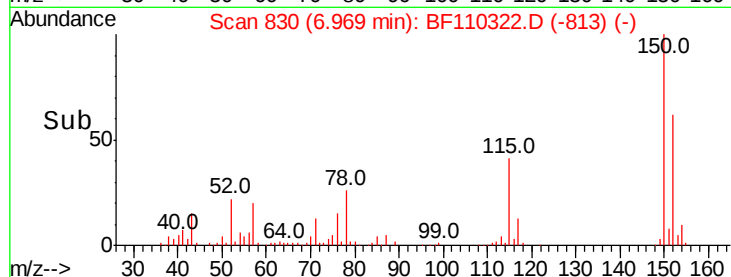
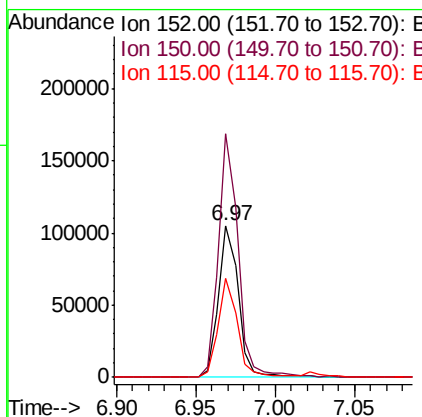
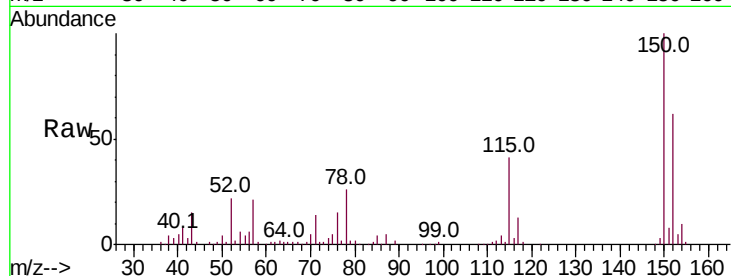
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.00 min  
Lab File: BF110322.D  
Acq: 30 Oct 2018 23:54

Instrument :  
BNA\_F  
ClientSampleId :  
DL-06BDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.5 | 122.7 | 184.1 |
| 115     | 65.3  | 49.1  | 73.7  |

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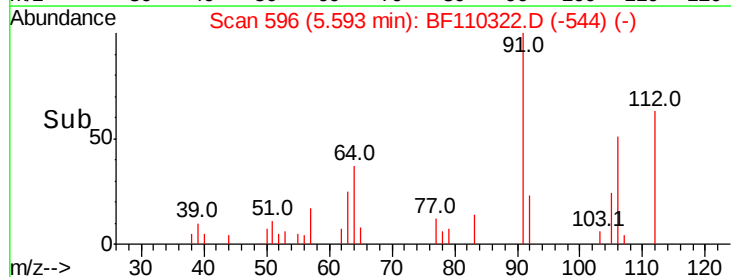
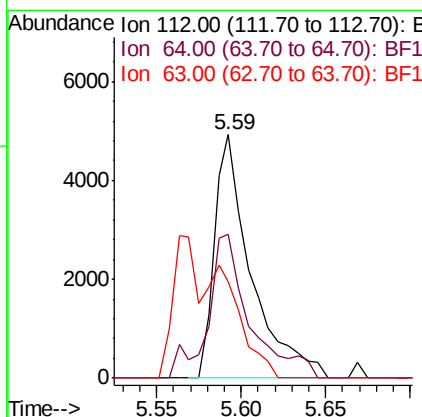
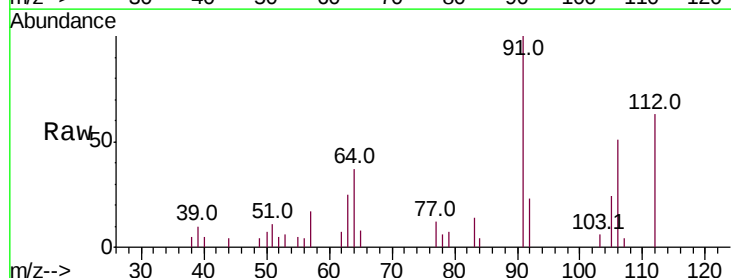
Sohil  
10/31/2018 11:15:11 AM

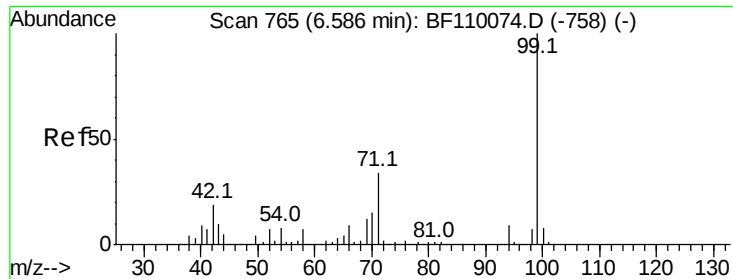


#5

2-Fluorophenol  
Concen: 1.305 ng  
RT: 5.59 min Scan# 596  
Delta R.T. 0.01 min  
Lab File: BF110322.D  
Acq: 30 Oct 2018 23:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.9  | 44.1  | 66.1  |
| 63      | 39.4  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 1.393 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF110322.D

Acq: 30 Oct 2018 23:54

Instrument :

BNA\_F

ClientSampleId :

DL-06BDL

Tot Ion: 99 Resp: 10129

Ion Ratio Lower Upper

99 100

42 15.2 15.8 23.6#

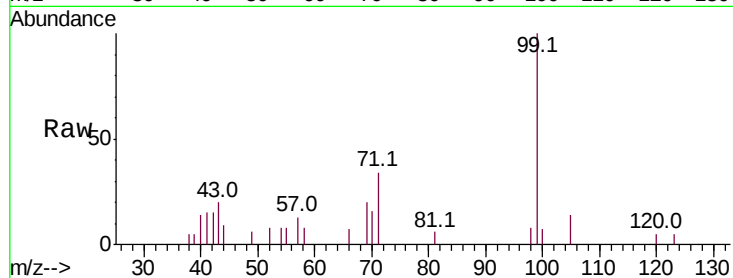
71 34.2 28.0 42.0

Manual Integrations

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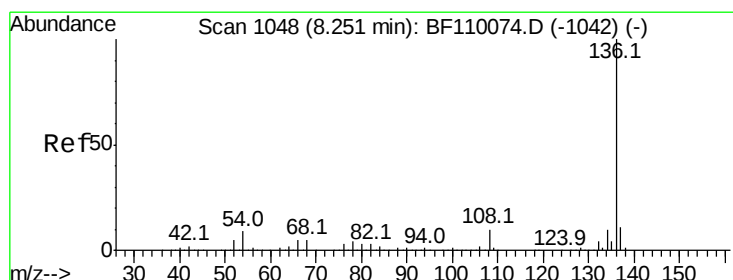
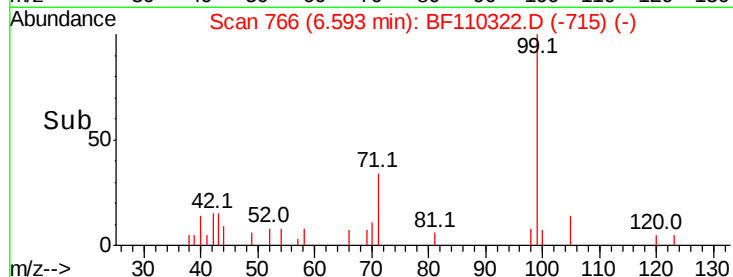
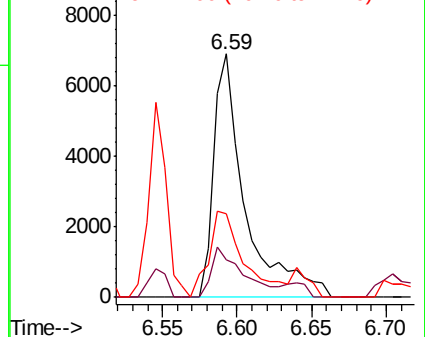
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF110322.D

Acq: 30 Oct 2018 23:54

Tgt Ion: 136 Resp: 364105

Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.5 5.4 8.2

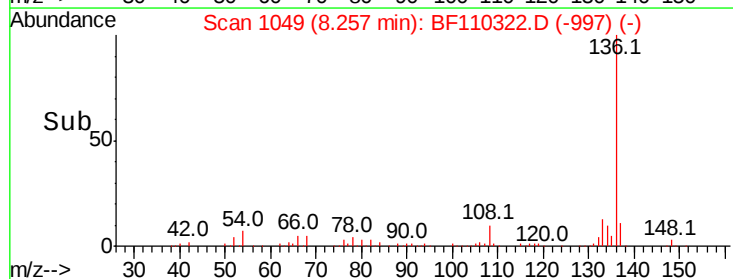
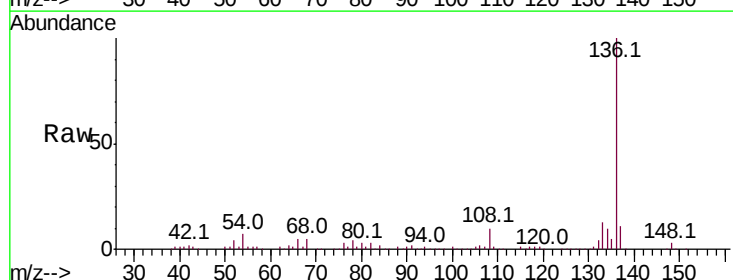
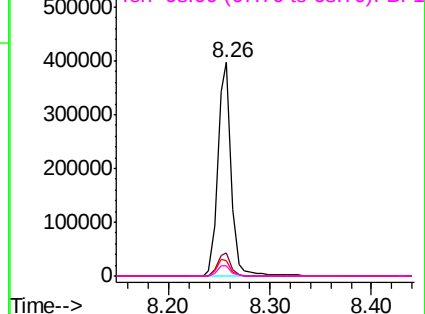
68 4.6 4.2 6.2

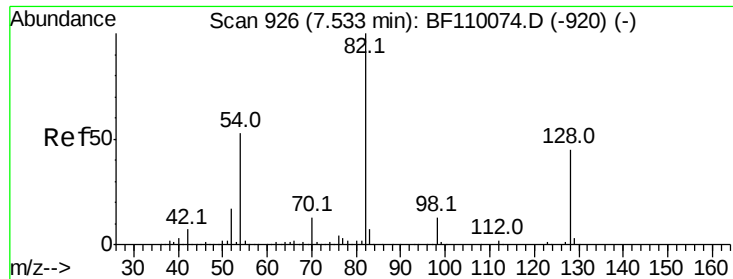
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





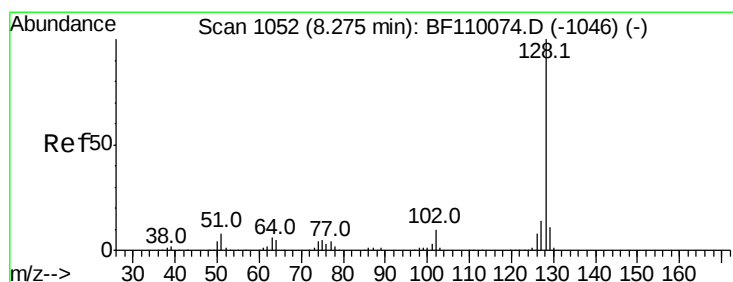
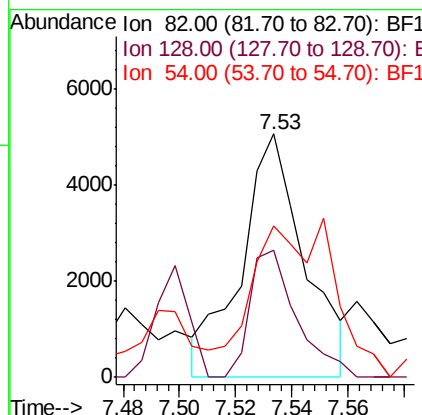
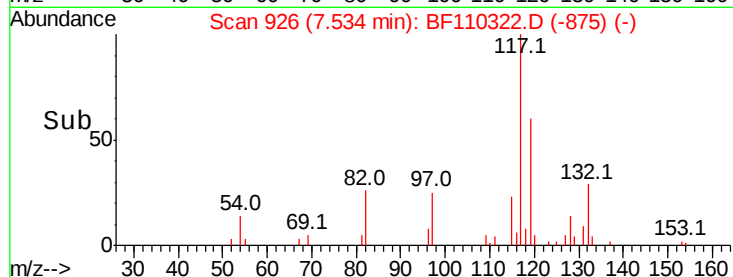
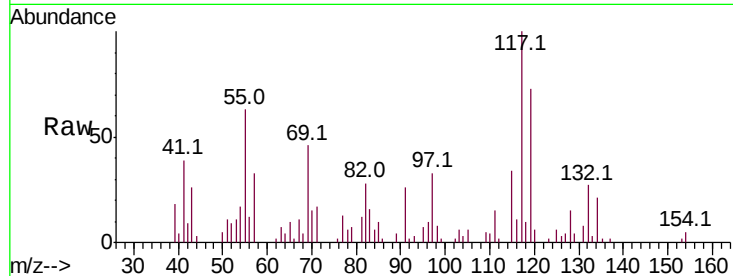
#23  
Nitrobenzene-d5  
Concen: 1.299 ng/ml  
RT: 7.53 min Scan# 926  
Delta R.T. 0.00 min  
Lab File: BF110322.D  
Acq: 30 Oct 2018 23:54

Instrument :  
BNA\_F  
ClientSampleID :  
DL-06BDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 52.3  | 34.2  | 51.2# |
| 54      | 62.1  | 38.6  | 58.0# |

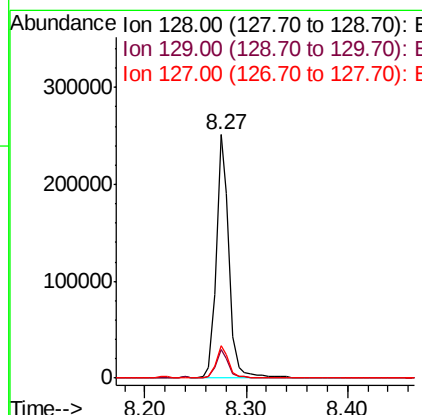
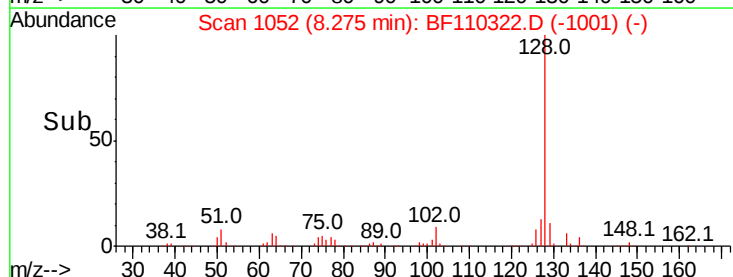
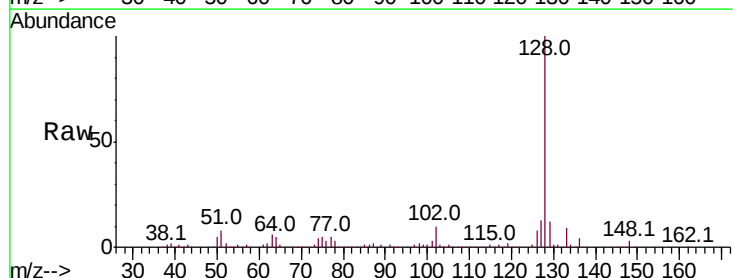
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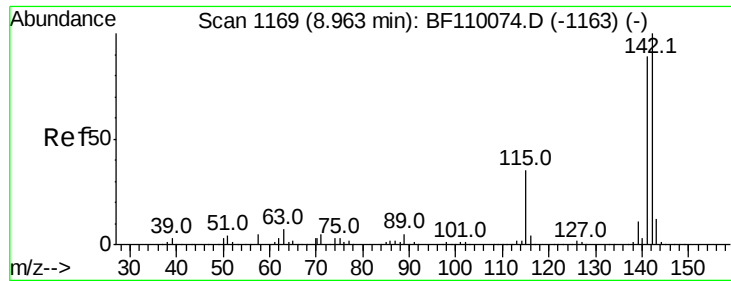
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#31  
Naphthalene  
Concen: 12.965 ng  
RT: 8.27 min Scan# 1052  
Delta R.T. 0.00 min  
Lab File: BF110322.D  
Acq: 30 Oct 2018 23:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.6  | 8.8   | 13.2  |
| 127     | 13.2  | 10.8  | 16.2  |





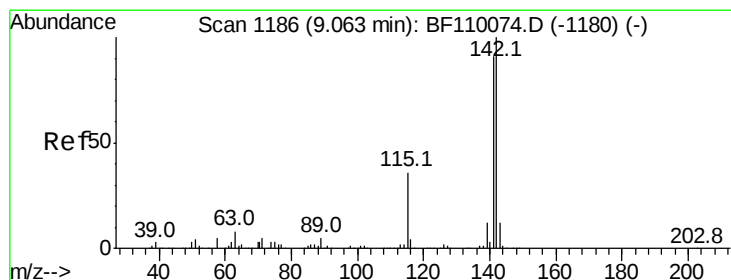
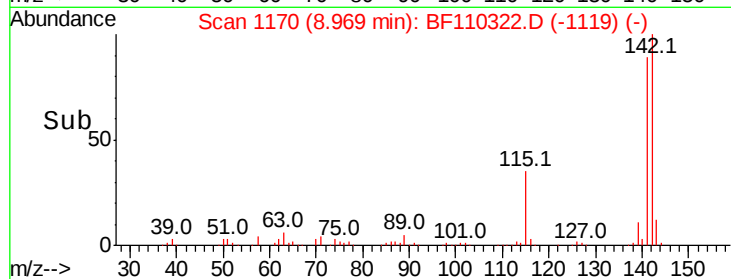
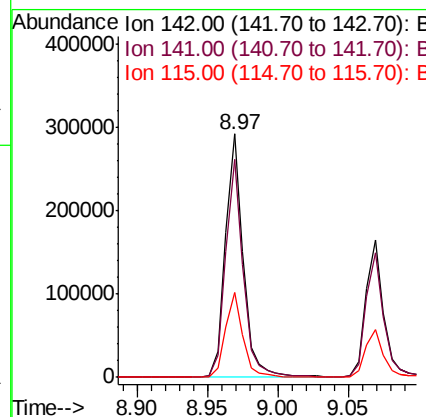
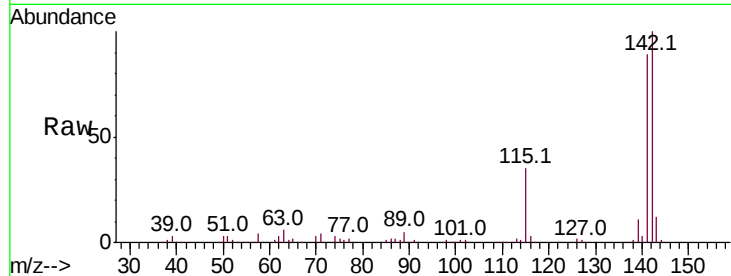
#37  
2-Methylnaphthalene  
Concen: 23.076 ng  
RT: 8.97 min Scan# 1170  
Delta R.T. 0.00 min  
Lab File: BF110322.D  
Acq: 30 Oct 2018 23:54

Instrument :  
BNA\_F  
ClientSampleId :  
DL-06BDL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 256210 |       |       |
| 141     | 89.5  |        | 71.4  | 107.2 |
| 115     | 35.1  |        | 28.7  | 43.1  |

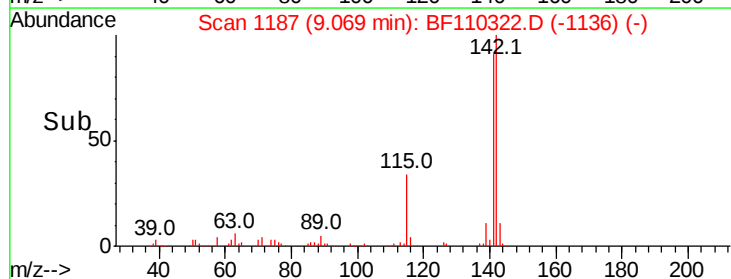
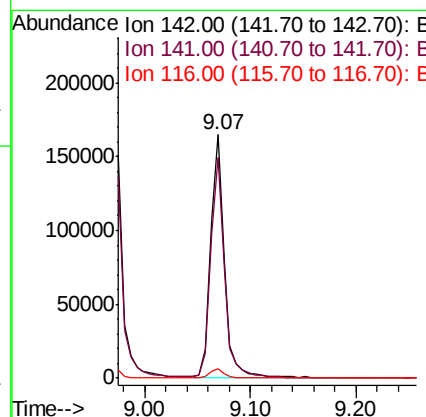
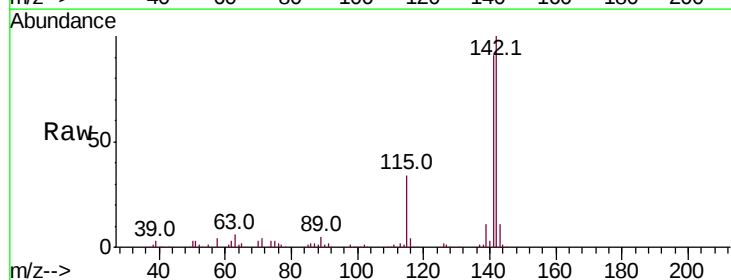
Manual Integrations  
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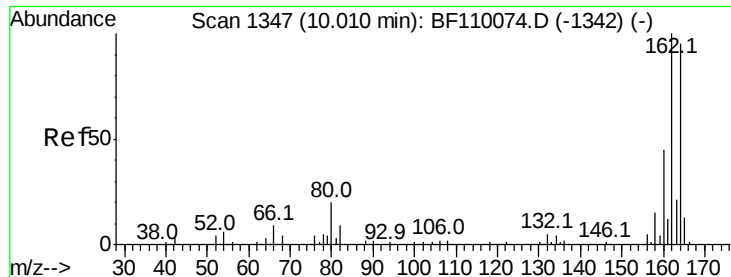
Sohil  
10/31/2018 11:15:11 AM



#38  
1-Methylnaphthalene  
Concen: 13.961 ng  
RT: 9.07 min Scan# 1187  
Delta R.T. 0.00 min  
Lab File: BF110322.D  
Acq: 30 Oct 2018 23:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 149794 |       |       |
| 141     | 90.6  |        | 74.2  | 111.4 |
| 116     | 3.8   |        | 2.6   | 4.0   |





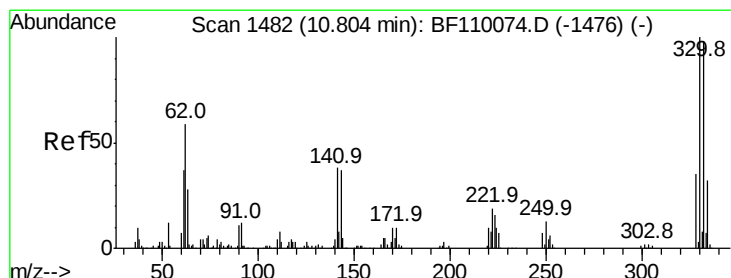
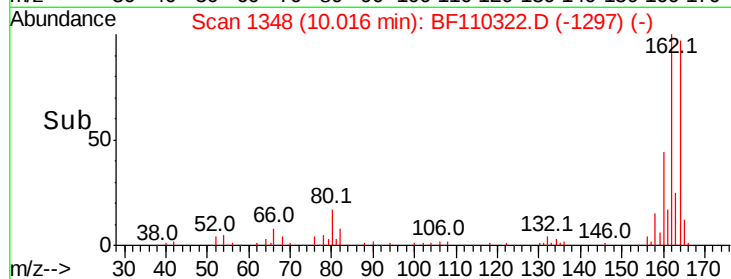
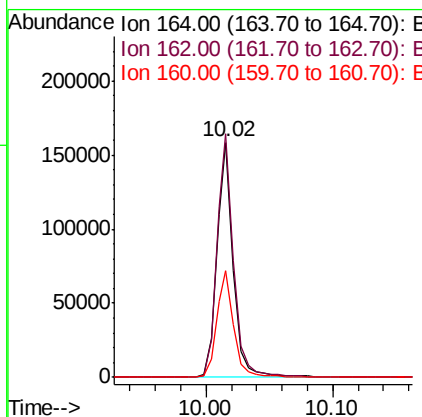
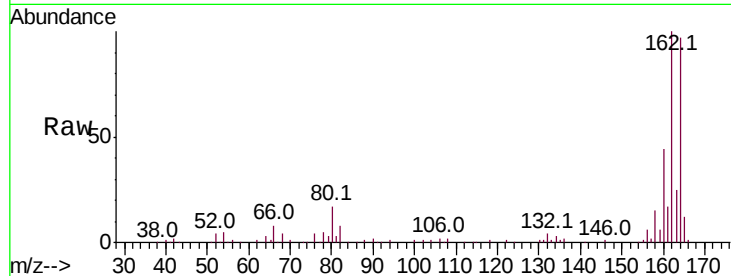
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. 0.00 min  
Lab File: BF110322.D  
Acq: 30 Oct 2018 23:54

Instrument :  
BNA\_F  
ClientSampleId :  
DL-06BDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.6 | 83.0  | 124.6 |
| 160     | 45.6  | 37.0  | 55.6  |

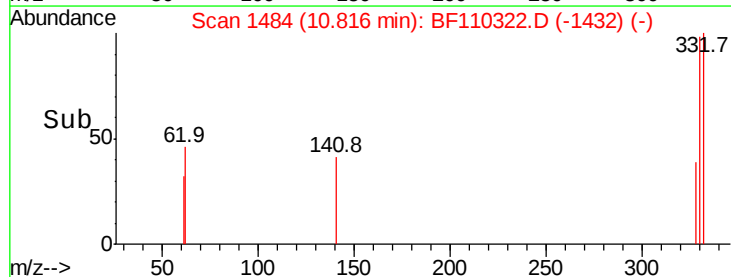
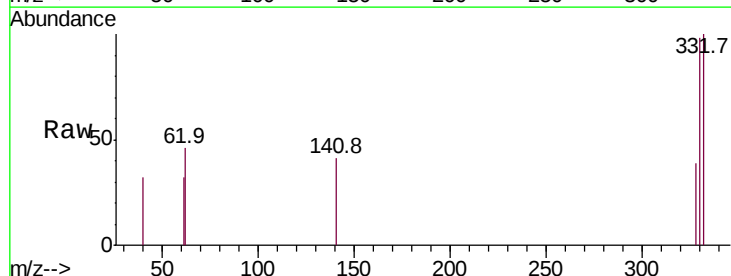
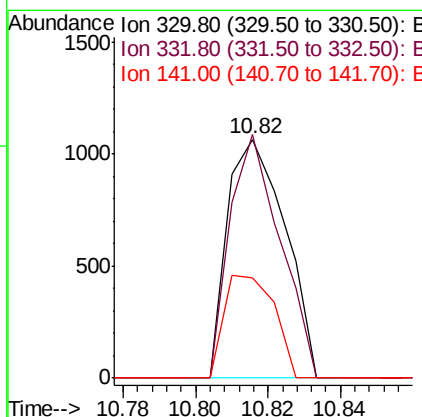
Manual Integrations  
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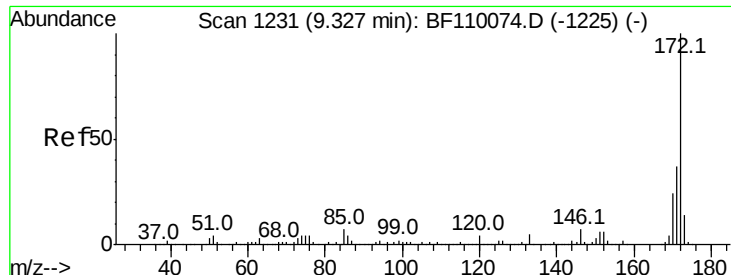
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#42  
2,4,6-Tribromophenol  
Concen: 0.825 ng  
RT: 10.82 min Scan# 1484  
Delta R.T. 0.01 min  
Lab File: BF110322.D  
Acq: 30 Oct 2018 23:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 89.0  | 77.1  | 115.7 |
| 141     | 37.4  | 27.0  | 40.4  |





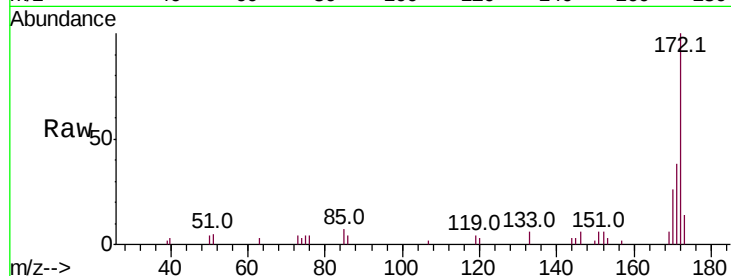
#45  
 2-Fluorobiphenyl  
 Concen: 1.308 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. 0.00 min  
 Lab File: BF110322.D  
 Acq: 30 Oct 2018 23:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DL-06BDL

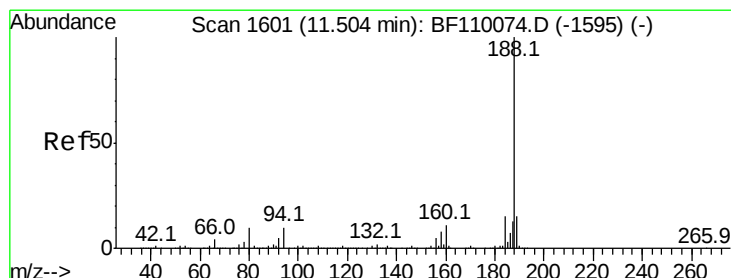
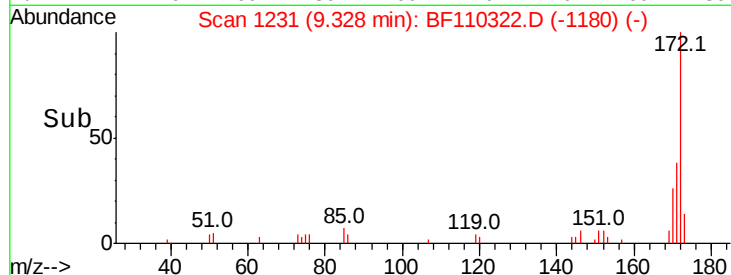
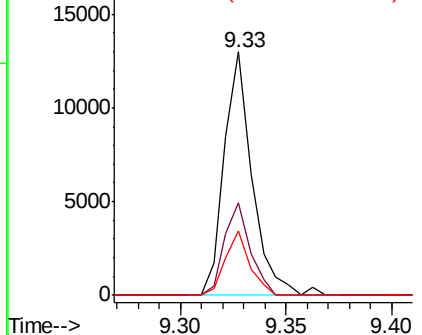
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 172     | 100   | 11980 |       |       |
| 171     | 37.9  |       | 28.6  | 43.0  |
| 170     | 26.2  |       | 19.7  | 29.5  |

Manual Integrations  
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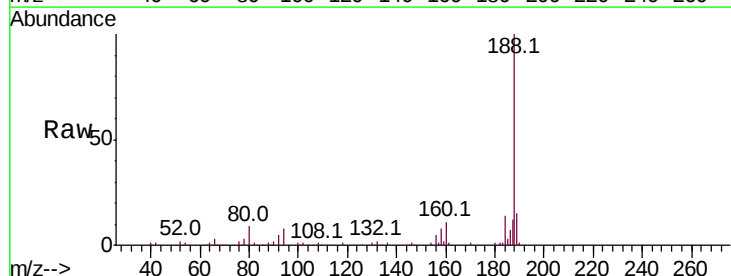


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

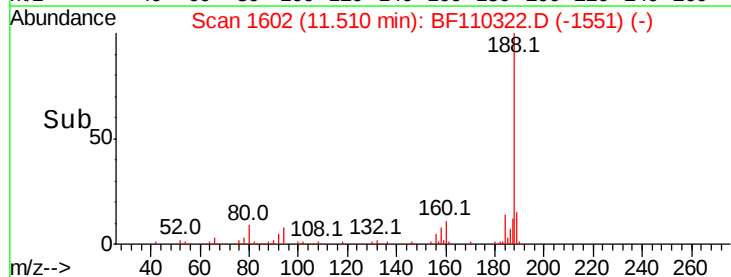
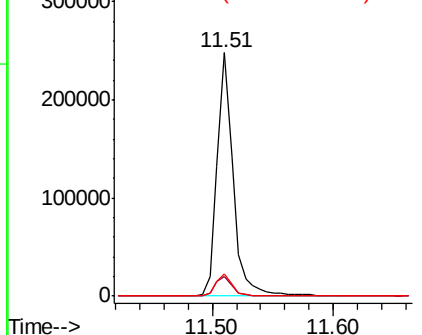


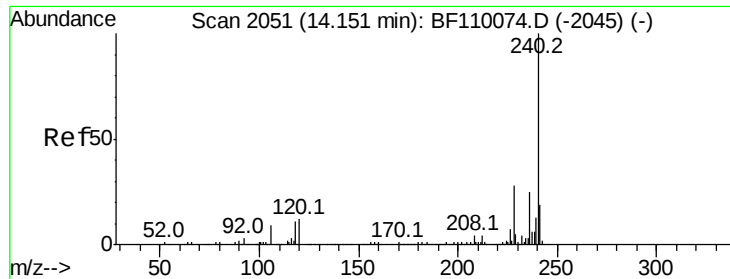
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.51 min Scan# 1602  
 Delta R.T. 0.00 min  
 Lab File: BF110322.D  
 Acq: 30 Oct 2018 23:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 226591 |       |       |
| 94      | 8.2   |        | 7.2   | 10.8  |
| 80      | 8.9   |        | 7.9   | 11.9  |



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1





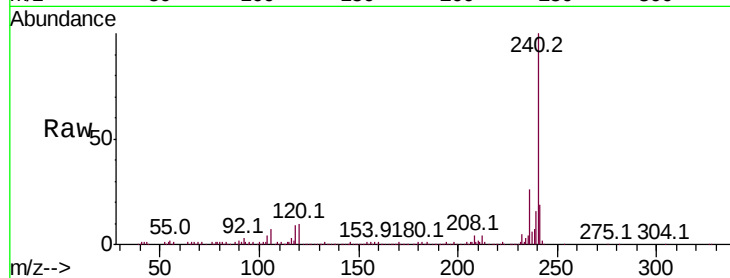
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.16 min Scan# 2053  
 Delta R.T. 0.01 min  
 Lab File: BF110322.D  
 Acq: 30 Oct 2018 23:54

Instrument :  
 BNA\_F  
 ClientSampleID :  
 DL-06BDL

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 240     | 100   |      |       |       |
| 120     | 9.7   | 8.3  | 12.5  |       |
| 236     | 26.1  | 21.2 | 31.8  |       |

Manual Integrations  
 APPROVED

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 10/31/2018 11:15:11 AM

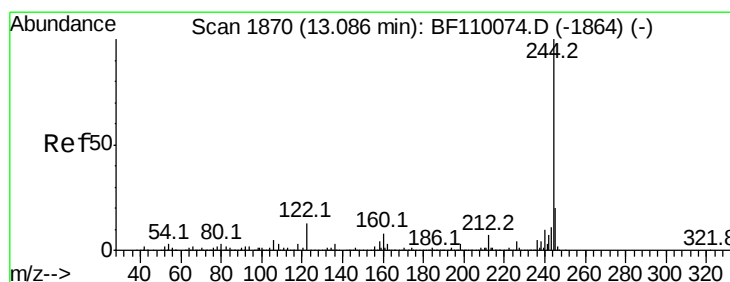
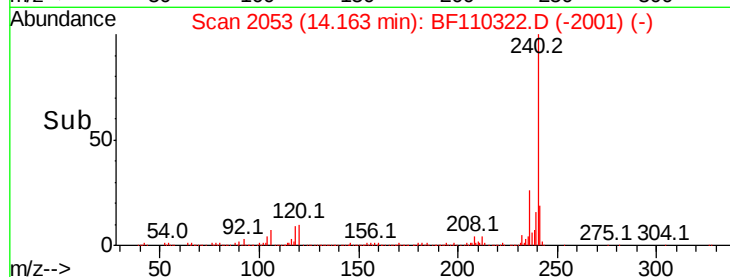
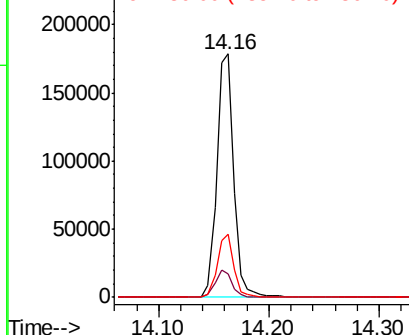


Abundance

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: 1.008 ng  
 RT: 13.09 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: BF110322.D  
 Acq: 30 Oct 2018 23:54

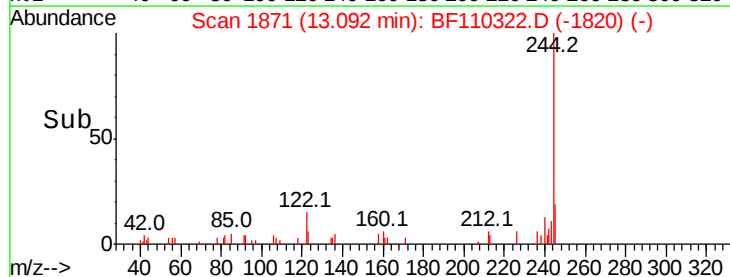
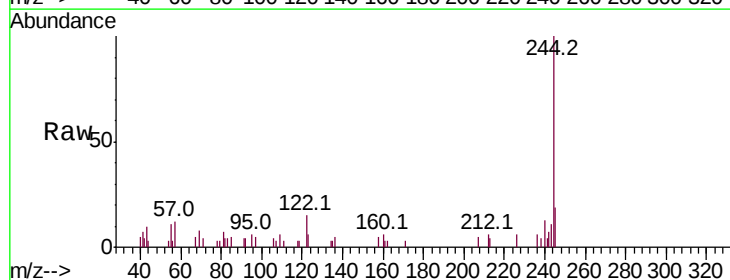
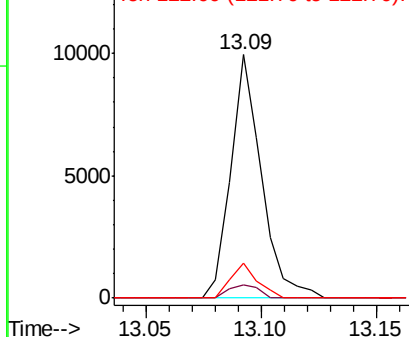
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   |      |       |       |
| 212     | 5.7   | 5.8  | 8.8#  |       |
| 122     | 14.5  | 8.7  | 13.1# |       |

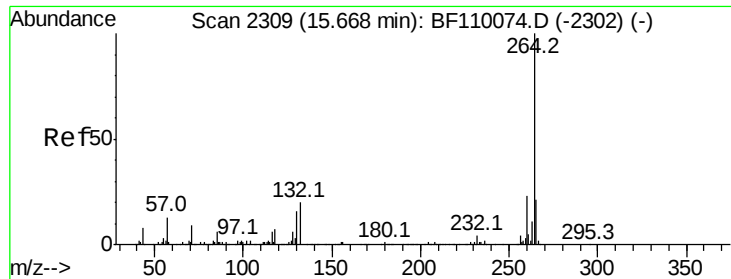
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.70 min Scan# 2314  
Delta R.T. 0.01 min  
Lab File: BF110322.D  
Acq: 30 Oct 2018 23:54

Instrument :  
BNA\_F  
ClientSampleId :  
DL-06BDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 18.7  | 28.1  |
| 265     | 20.8  | 16.7  | 25.1  |

Manual Integrations  
APPROVED

Sohil  
10/31/2018 11:15:11 AM

