

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\  
 Data File : BN007499.D  
 Acq On : 29 Aug 2019 12:32  
 Operator : HP/JU  
 Sample : K4515-02DL 2X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S302B-J-1.5-2.0-082319DL

Manual Integrations  
 APPROVED

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 8/30/2019 8:57:56 AM

Quant Time: Aug 29 13:12:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 12:18:45 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 7906     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 35002    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.03 | 164  | 20696    | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 16.79 | 188  | 47717    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.02 | 240  | 70839    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.12 | 264  | 76303    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 5.03  | 112 | 3765   | 0.12 | ng | 0.00  |
| 5) Phenol-d6                | 6.59  | 99  | 5327   | 0.13 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.53  | 82  | 3992   | 0.13 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 11.75 | 152 | 7071   | 0.12 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.54 | 330 | 1975   | 0.18 | ng | -0.02 |
| 15) 2-Fluorobiphenyl        | 12.65 | 172 | 9398   | 0.11 | ng | 0.00  |
| 25) Fluoranthene-d10        | 18.84 | 212 | 14844  | 0.10 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.46 | 244 | 362071 | 1.95 | ng | 0.00  |

|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 9) Naphthalene                 | 10.20 | 128 | 3129    | 0.031  | ng | # 91 |
| 12) 2-Methylnaphthalene        | 11.82 | 142 | 1719    | 0.025  | ng | # 95 |
| 16) Acenaphthylene             | 13.76 | 152 | 2821    | 0.023  | ng | # 91 |
| 17) Acenaphthene               | 14.10 | 154 | 14169   | 0.198  | ng | 97   |
| 18) Fluorene                   | 15.09 | 166 | 14828   | 0.164  | ng | 99   |
| 23) Phenanthrene               | 16.84 | 178 | 279360  | 1.946  | ng | 99   |
| 24) Anthracene                 | 16.92 | 178 | 79381   | 0.550  | ng | # 95 |
| 26) Fluoranthene               | 18.87 | 202 | 737497  | 4.002  | ng | 98   |
| 28) Pyrene                     | 19.23 | 202 | 615213  | 2.159  | ng | # 94 |
| 30) Benzo(a)anthracene         | 20.99 | 228 | 432720  | 1.555  | ng | 99   |
| 31) Chrysene                   | 21.05 | 228 | 336482  | 1.253  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149 | 83481   | 0.445  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.18 | 276 | 152912  | 0.473  | ng | 98   |
| 35) Benzo(b)fluoranthene       | 22.50 | 252 | 454017m | 1.642  | ng |      |
| 36) Benzo(k)fluoranthene       | 22.54 | 252 | 263703  | 0.965  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.03 | 252 | 329786m | 1.254  | ng |      |
| 38) Dibenzo(a,h)anthracene     | 25.19 | 278 | 64168   | 0.244  | ng | 96   |
| 39) Benzo(a,h,i)perylene       | 25.81 | 276 | 136156  | 0.521  | ng | 99   |

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

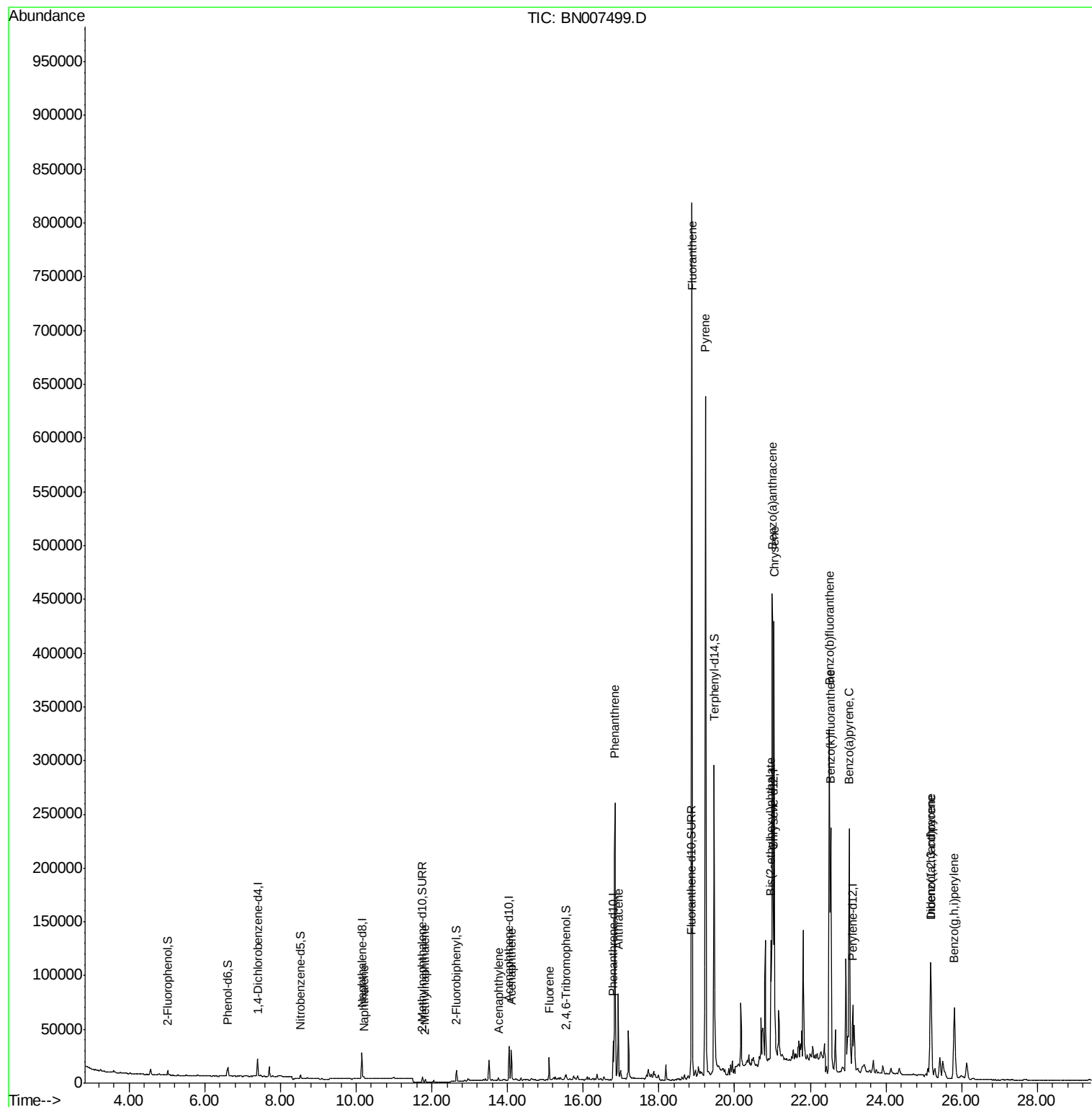
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\  
Data File : BN007499.D  
Acq On : 29 Aug 2019 12:32  
Operator : HP/JU  
Sample : K4515-02DL 2X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
S302B-J-1.5-2.0-082319DL

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Quant Time: Aug 29 13:12:50 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 29 12:18:45 2019  
Response via : Initial Calibration





#1

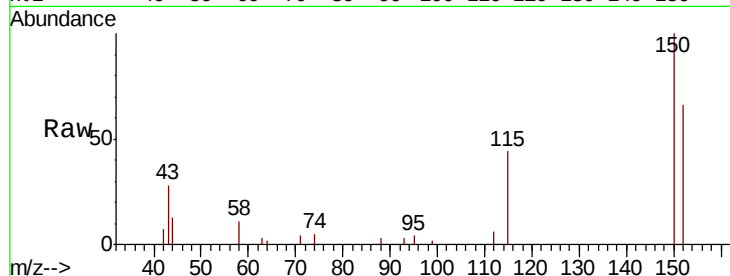
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 567  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

Instrument :  
BNA\_N  
ClientSampleId :  
S302B-J-1.5-2.0-082319DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.2 | 109.1 | 163.7 |
| 115     | 67.0  | 59.6  | 89.4  |

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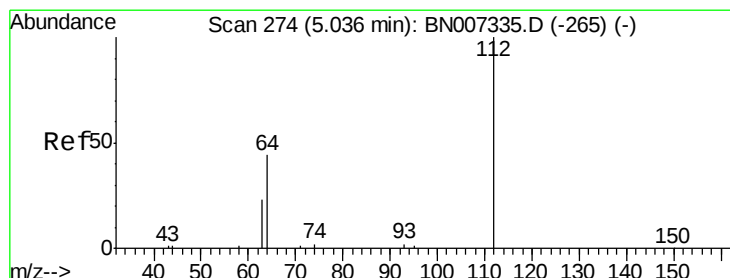
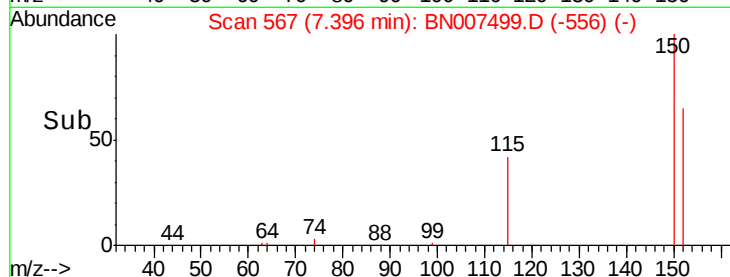
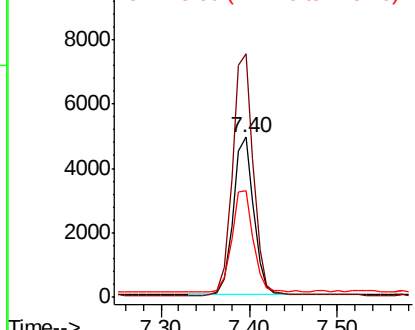


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

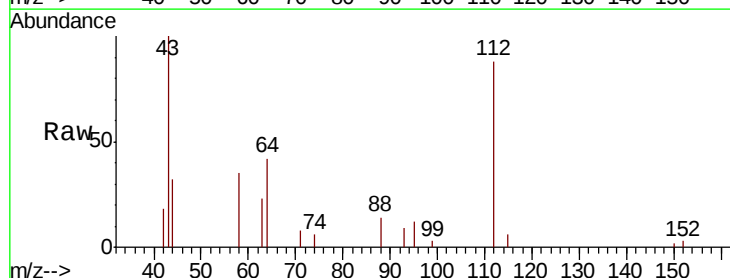
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol  
Concen: 0.117 ng  
RT: 5.03 min Scan# 273  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.5  | 42.3  | 63.5  |
| 63      | 27.6  | 23.6  | 35.4  |

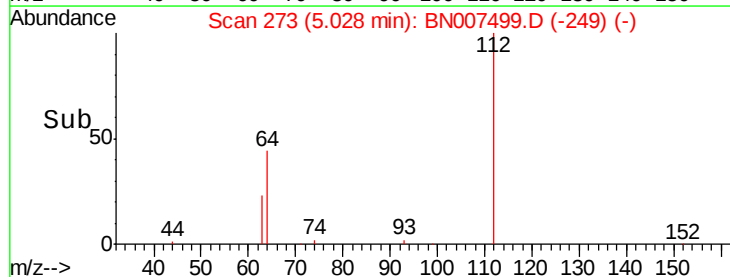
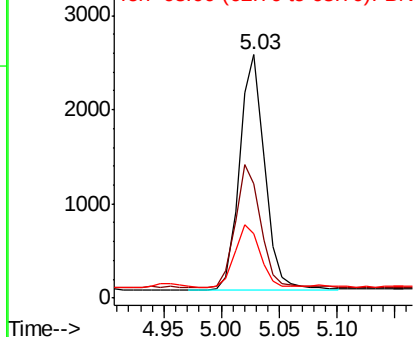


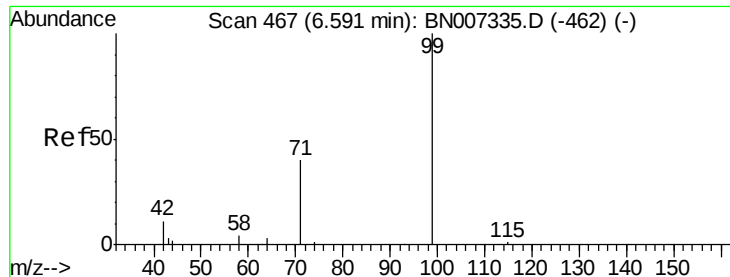
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.132 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

Instrument :

BNA\_N

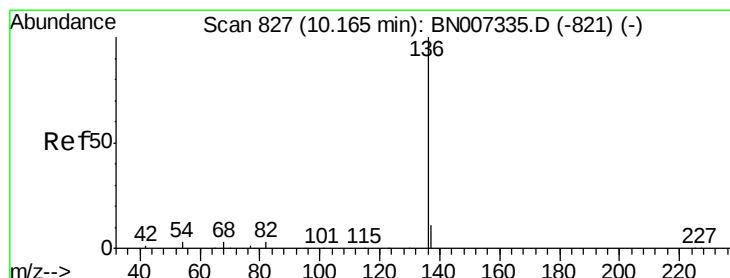
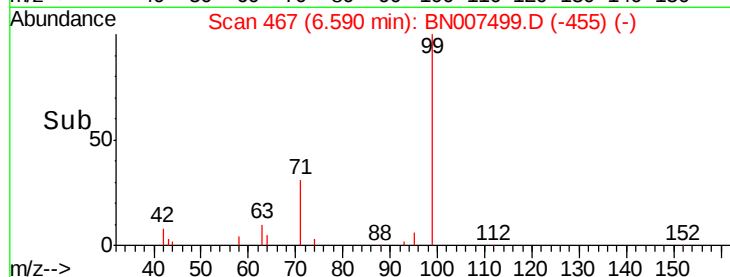
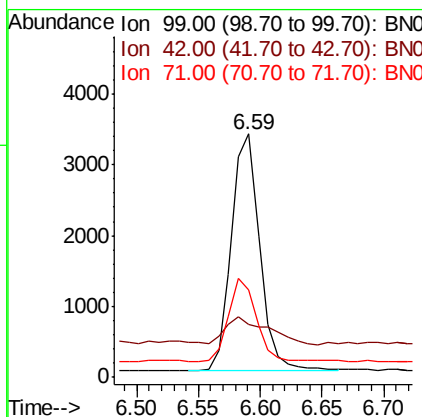
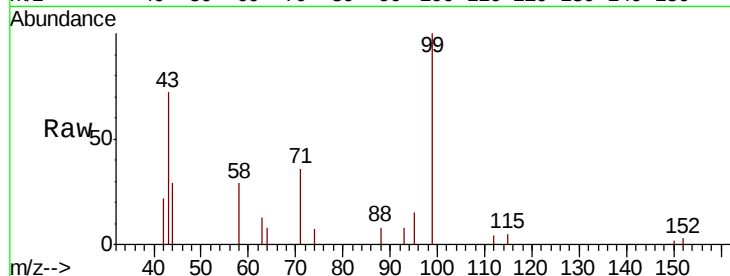
ClientSampleId :

S302B-J-1.5-2.0-082319DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 5327  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 18.7  | 11.2  | 16.8# |
| 71       | 34.7  | 31.8  | 47.8  |

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#7

Naphthalene-d8

Concen: 0.400 ng

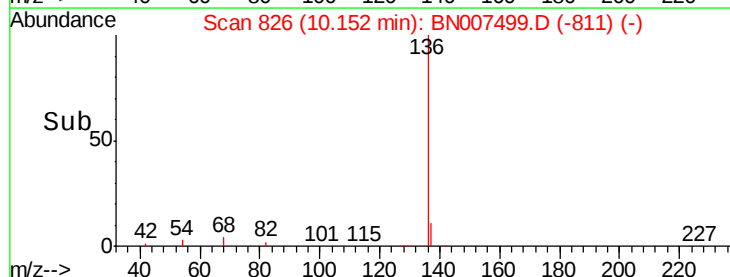
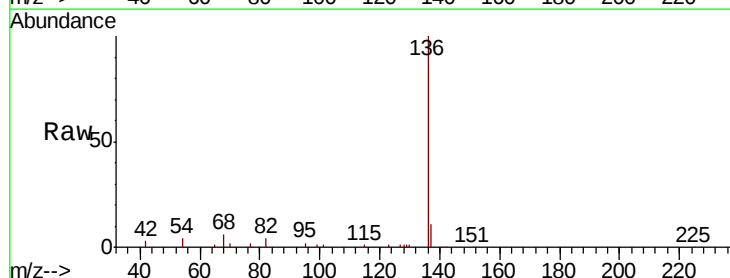
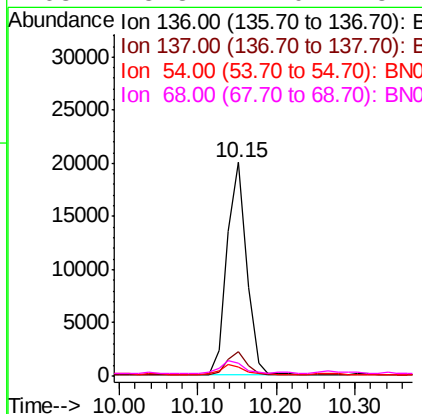
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 35002 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 12.9  | 19.3# |
| 54       | 4.1   | 8.6   | 12.8# |
| 68       | 5.8   | 17.0  | 25.4# |





#8

Nitrobenzene-d5

Concen: 0.131 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

Instrument :

BNA\_N

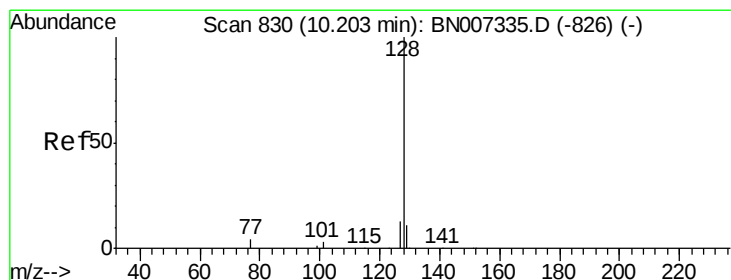
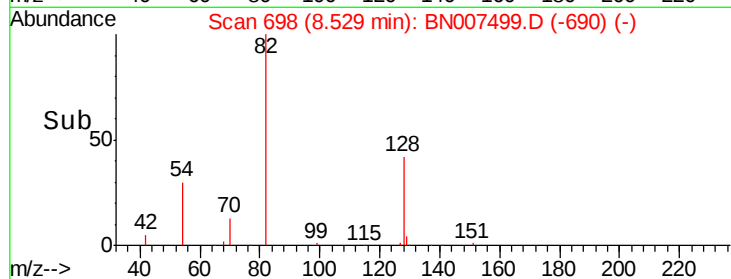
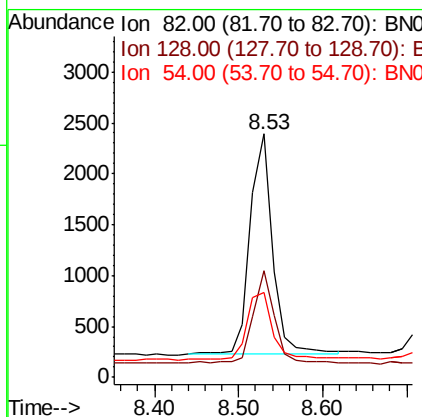
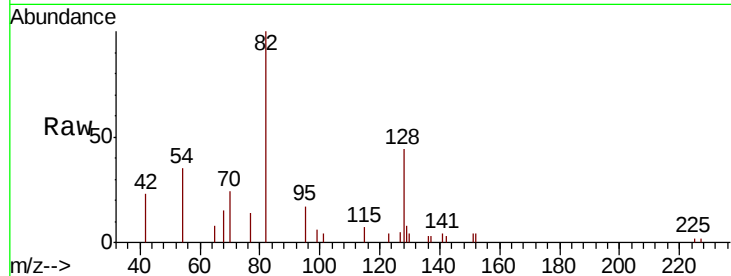
ClientSampleId :

S302B-J-1.5-2.0-082319DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 3992  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 43.9  | 19.7  | 29.5# |
| 54       | 34.6  | 25.8  | 38.6  |

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#9

Naphthalene

Concen: 0.031 ng

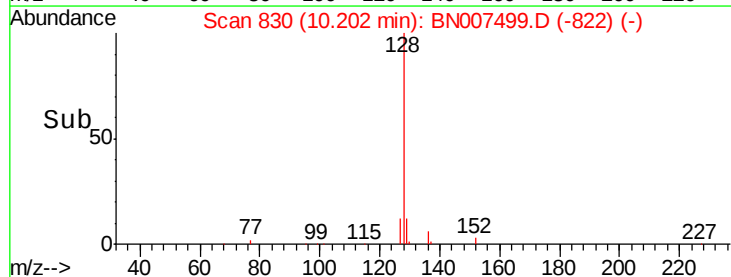
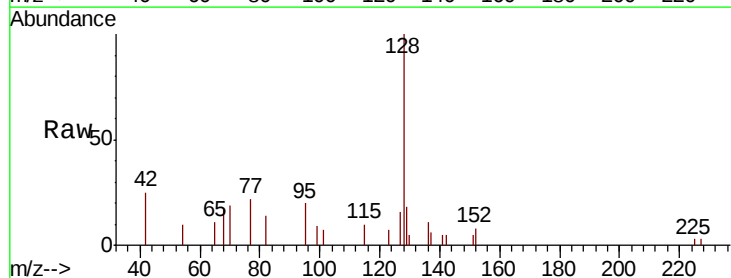
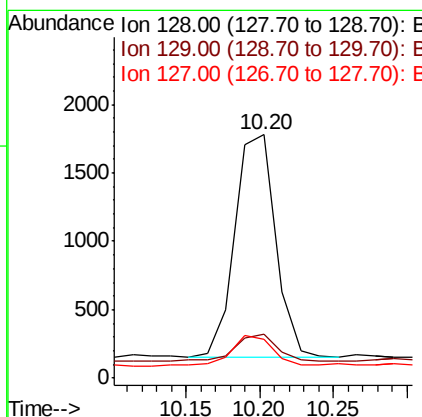
RT: 10.20 min Scan# 830

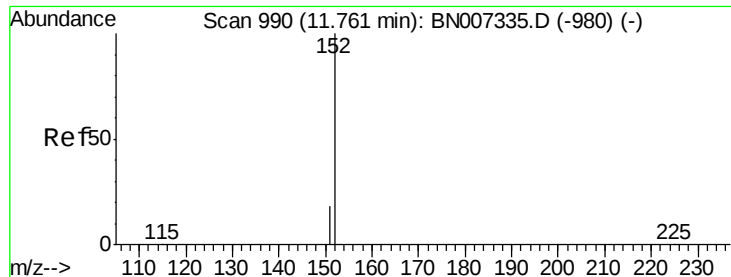
Delta R.T. -0.00 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 3129  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 18.3  | 11.1  | 16.7# |
| 127      | 16.2  | 15.5  | 23.3  |





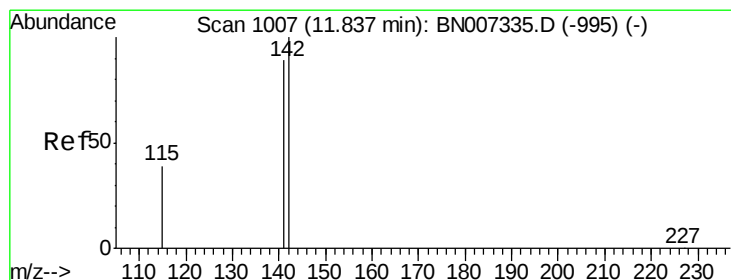
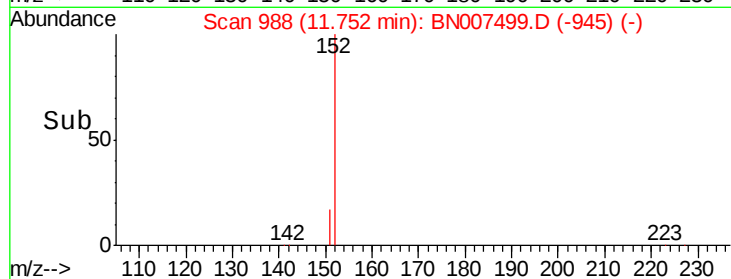
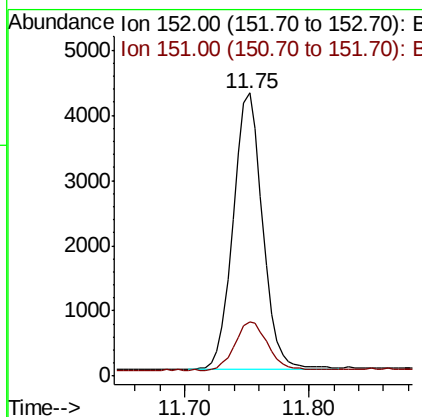
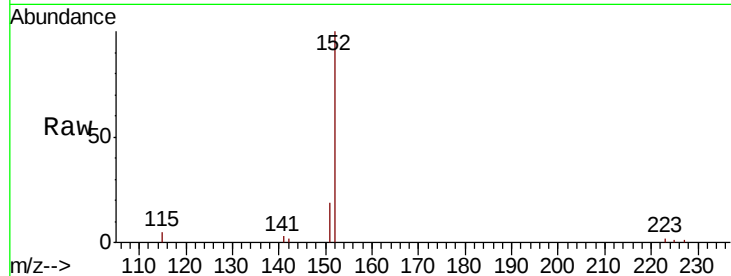
#11  
2-Methylnaphthalene-d10  
Concen: 0.122 ng  
RT: 11.75 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

Instrument :  
BNA\_N  
ClientSampleId :  
S302B-J-1.5-2.0-082319DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.4  | 16.2  | 24.2  |

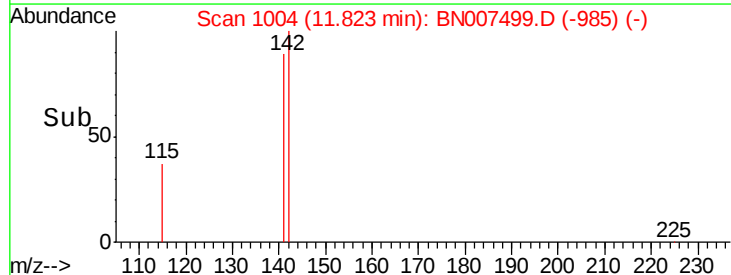
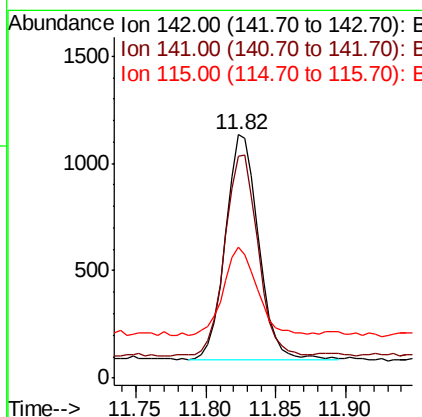
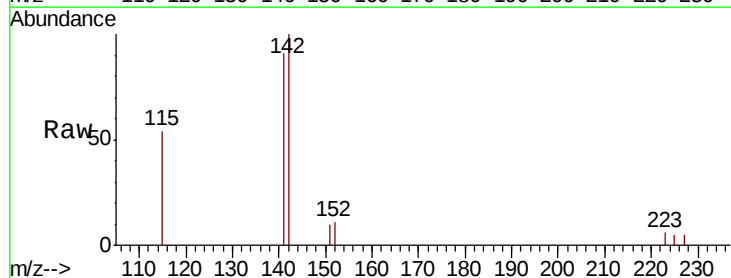
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#12  
2-Methylnaphthalene  
Concen: 0.025 ng  
RT: 11.82 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.2  | 72.8  | 109.2 |
| 115     | 54.0  | 35.2  | 52.8# |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

Instrument :

BNA\_N

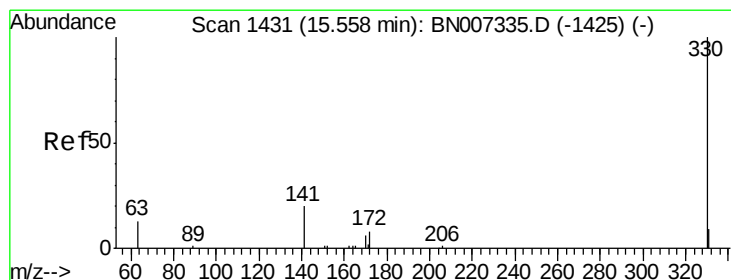
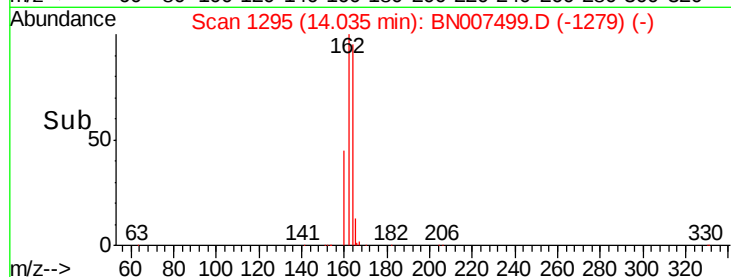
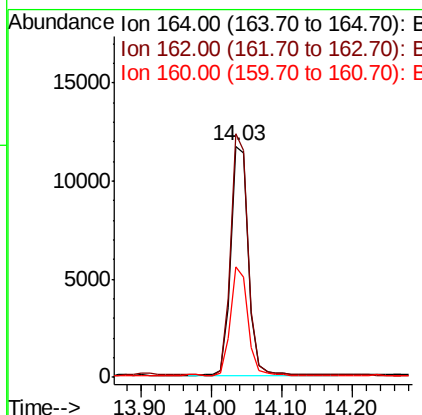
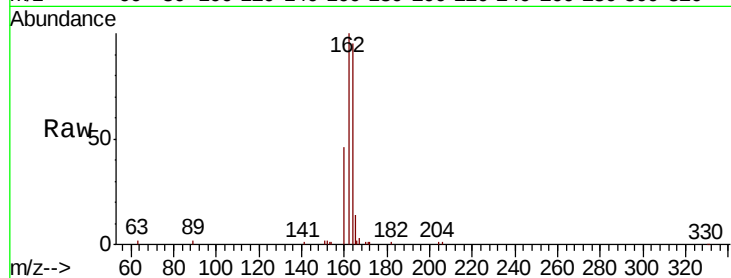
ClientSampleId :

S302B-J-1.5-2.0-082319DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 20696 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 105.4 | 83.5  | 125.3 |
| 160       | 48.1  | 38.2  | 57.4  |

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#14

2,4,6-Tribromophenol

Concen: 0.182 ng

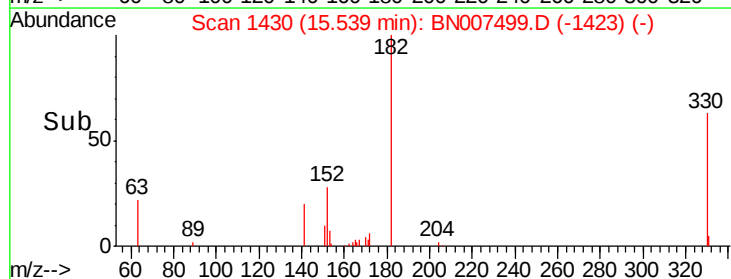
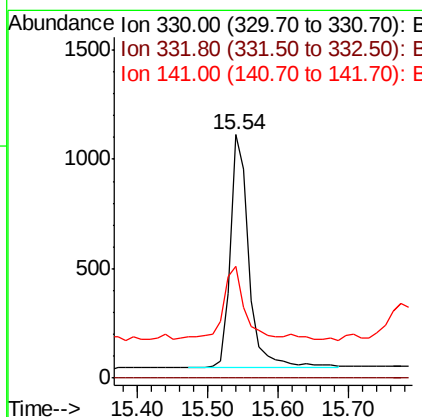
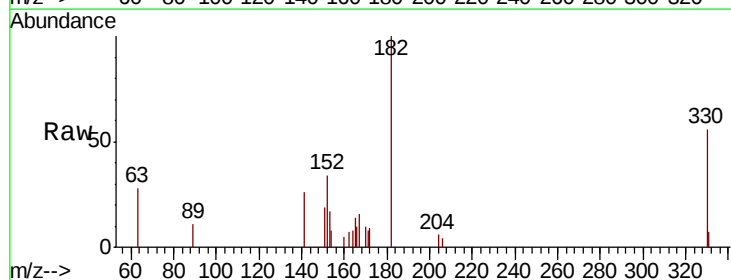
RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 330   | Resp: | 1975 |
| Ion Ratio | Lower | Upper |      |
| 330       | 100   |       |      |
| 332       | 0.0   | 0.0   | 0.0  |
| 141       | 34.4  | 26.9  | 40.3 |





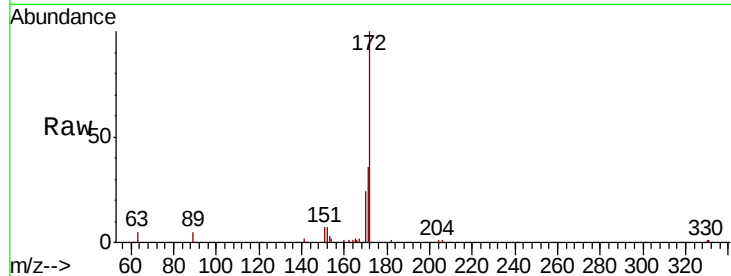
#15  
2-Fluorobiphenyl  
Concen: 0.113 ng  
RT: 12.65 min Scan# 1171  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

Instrument :  
BNA\_N  
ClientSampleId :  
S302B-J-1.5-2.0-082319DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 30.3  | 45.5  |
| 170     | 23.8  | 20.7  | 31.1  |

Manual Integrations  
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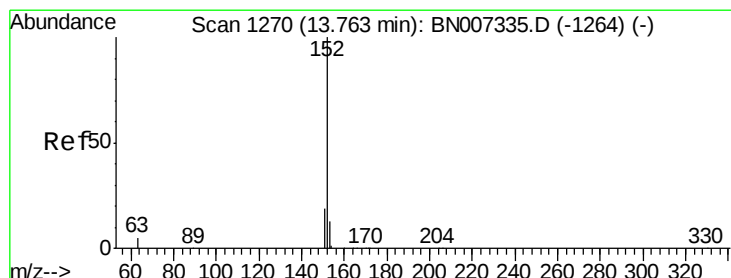
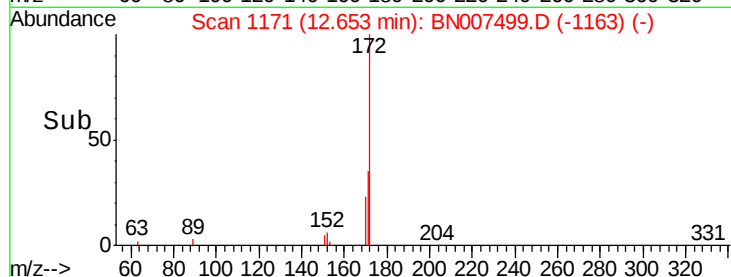
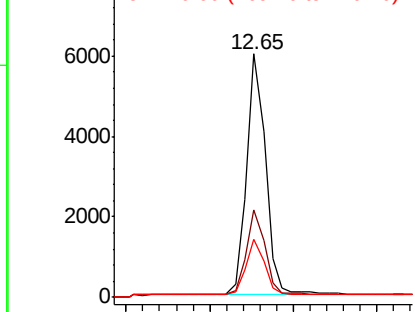


Abundance

Ion 172.00 (171.70 to 172.70): E

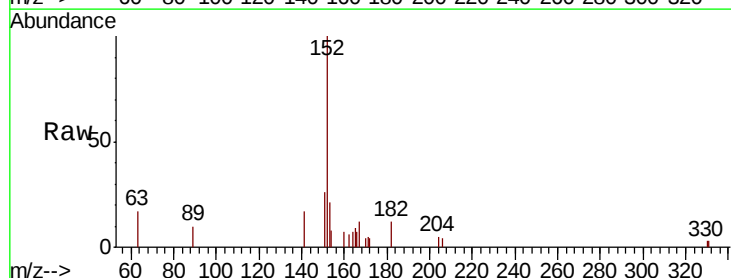
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16  
Acenaphthylene  
Concen: 0.023 ng  
RT: 13.76 min Scan# 1270  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 25.2  | 16.1  | 24.1# |
| 153     | 15.1  | 10.6  | 15.8  |

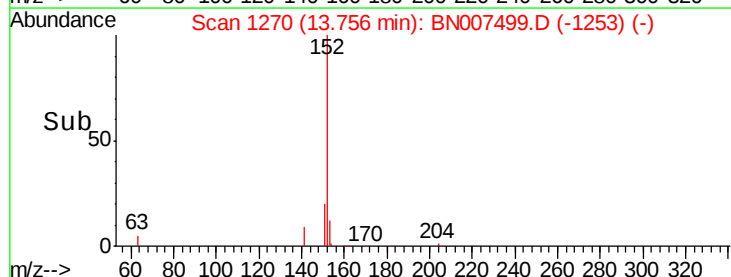
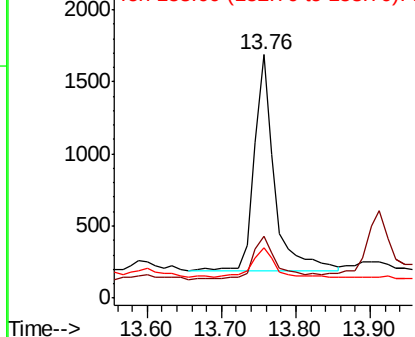


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.198 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

Instrument :

BNA\_N

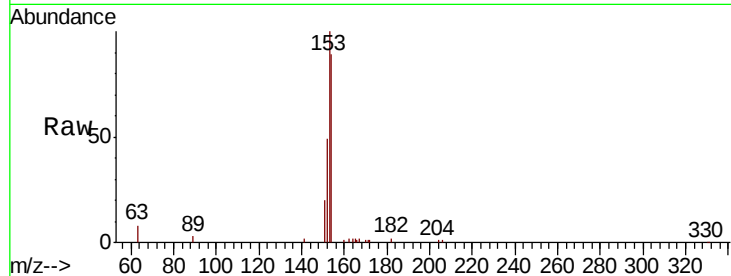
ClientSampleId :

S302B-J-1.5-2.0-082319DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 154   | Resp: | 14169 |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 112.0 | 92.8  | 139.2 |
| 152      | 53.4  | 43.8  | 65.8  |

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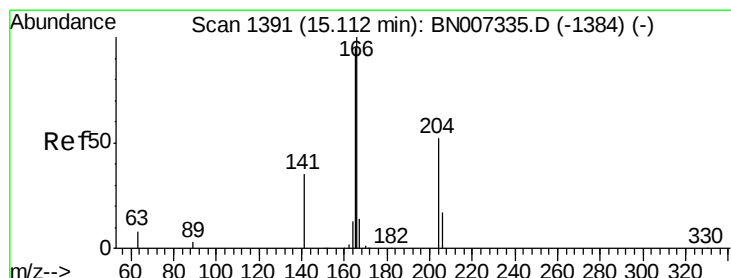
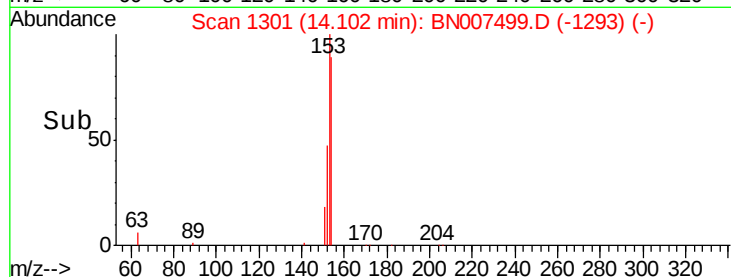
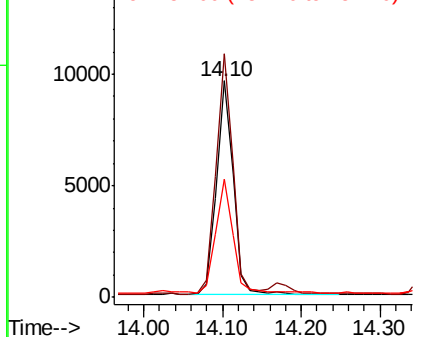


Abundance

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



#18

Fluorene

Concen: 0.164 ng

RT: 15.09 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

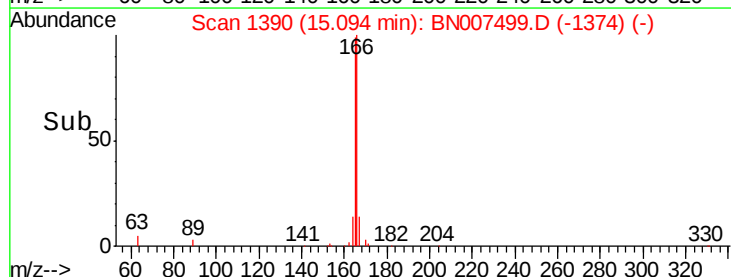
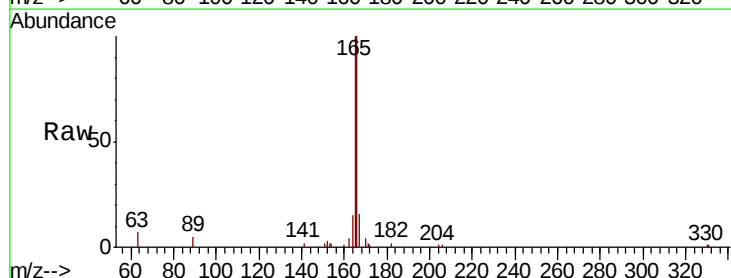
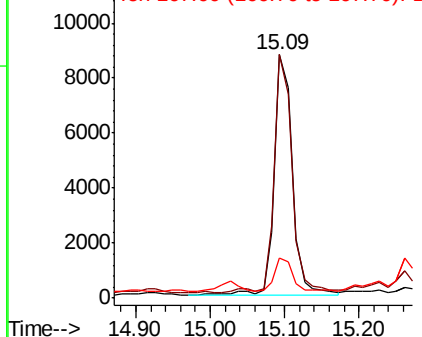
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 14828 |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 97.9  | 79.0  | 118.4 |
| 167      | 13.8  | 10.6  | 15.8  |

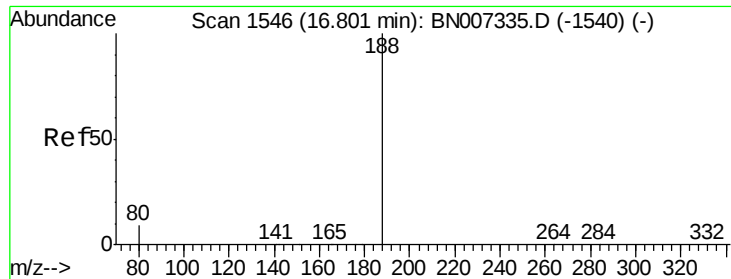
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





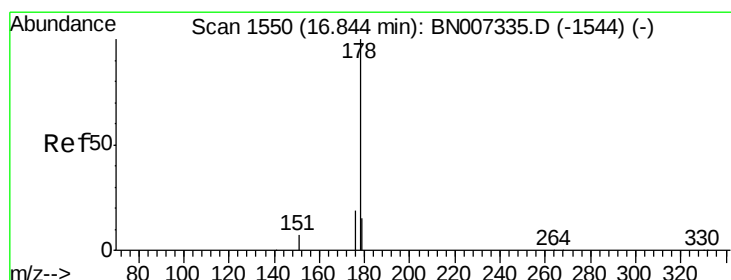
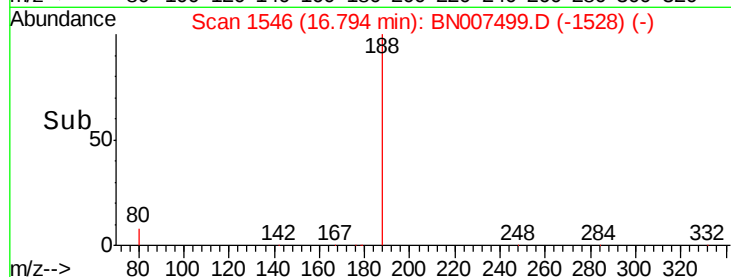
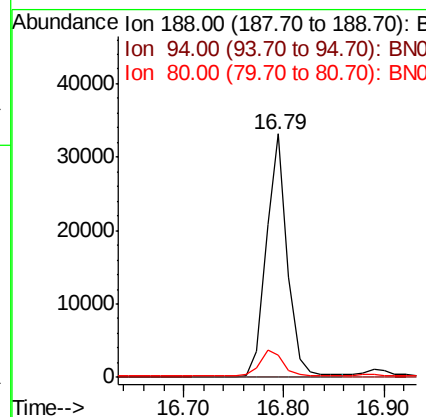
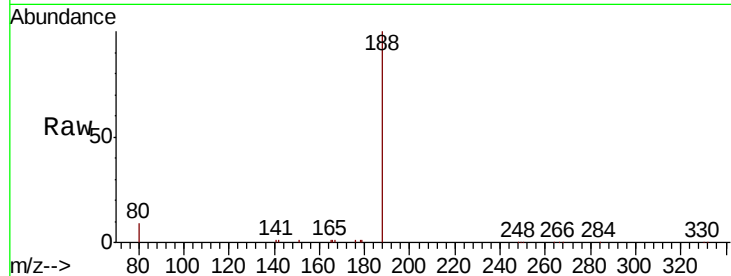
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.79 min Scan# 1546  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

Instrument :  
BNA\_N  
ClientSampleId :  
S302B-J-1.5-2.0-082319DL

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 188     | 100   | 47717 |       |       |
| 94      | 0.0   | 0.0   | 0.0   | 0.0   |
| 80      | 9.0   | 11.8  | 17.8  |       |

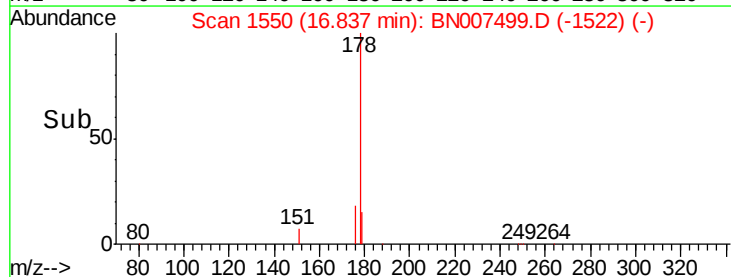
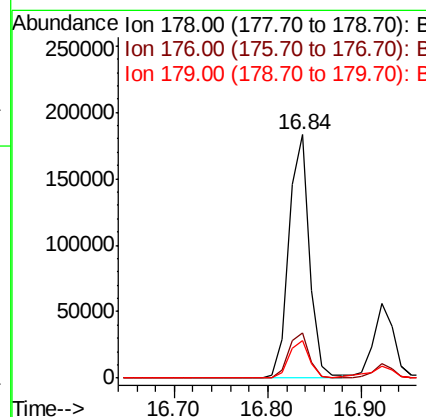
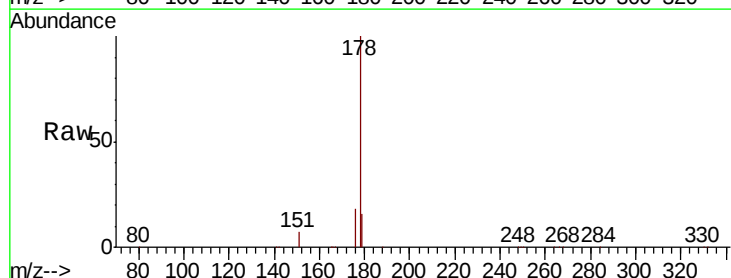
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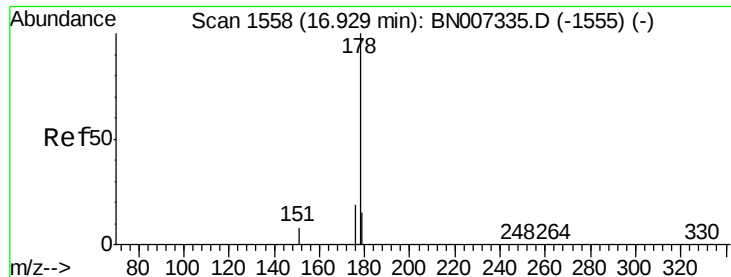
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#23  
Phenanthrene  
Concen: 1.946 ng  
RT: 16.84 min Scan# 1550  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 279360 |       |       |
| 176     | 18.9  | 15.3   | 22.9  |       |
| 179     | 15.4  | 12.6   | 19.0  |       |





#24

Anthracene

Concen: 0.550 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

Instrument :

BNA\_N

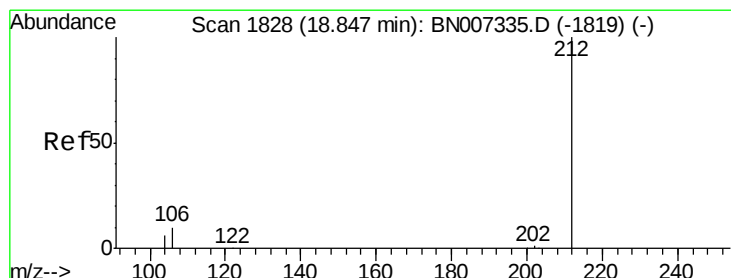
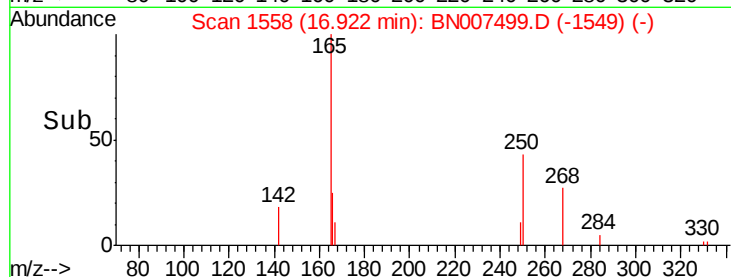
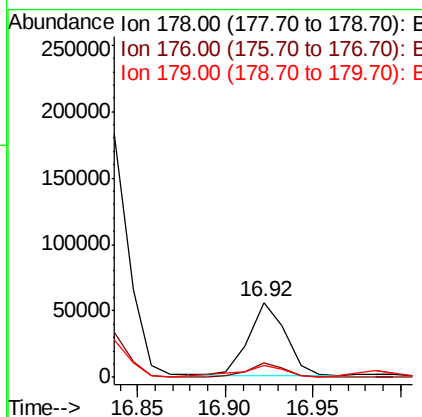
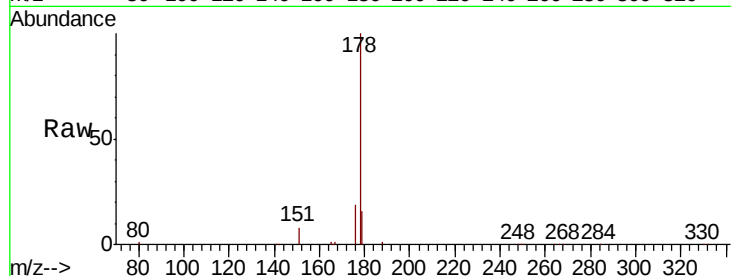
ClientSampleId :

S302B-J-1.5-2.0-082319DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 79381 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.3  | 14.9  | 22.3  |
| 179       | 19.1  | 12.4  | 18.6  |

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#25

Fluoranthene-d10

Concen: 0.097 ng

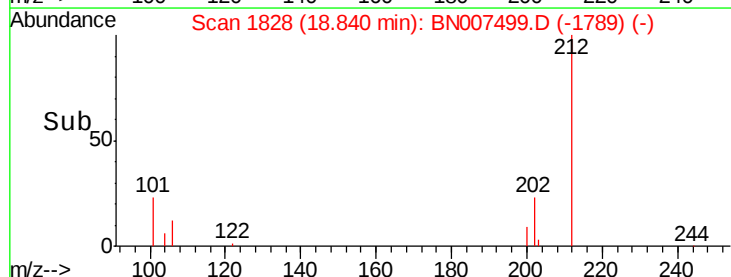
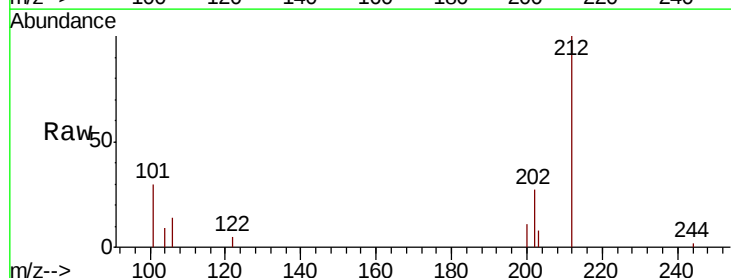
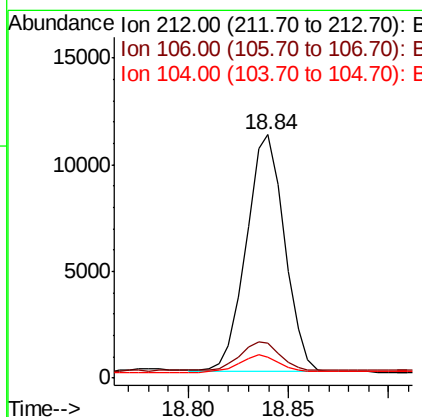
RT: 18.84 min Scan# 1828

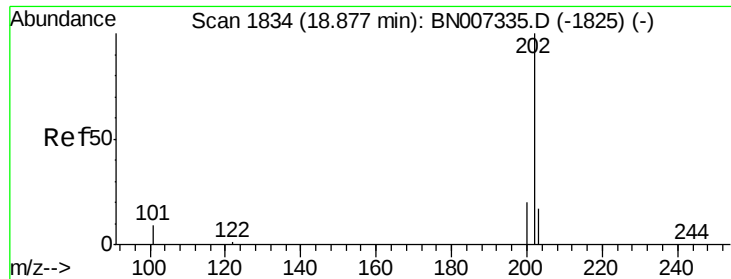
Delta R.T. -0.01 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 14844 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 12.5  | 9.0   | 13.4  |
| 104       | 7.6   | 5.4   | 8.2   |





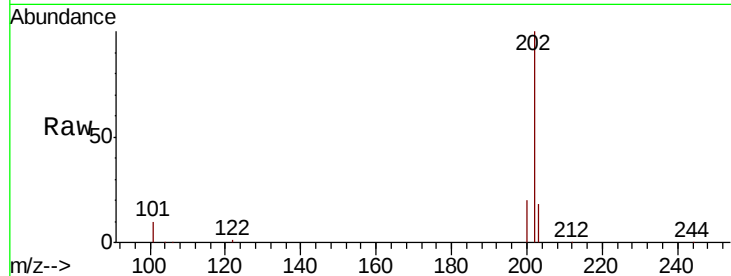
#26  
**Fluoranthene**  
 Concen: 4.002 ng  
 RT: 18.87 min Scan# 1834  
 Delta R.T. -0.01 min  
 Lab File: BN007499.D  
 Acq: 29 Aug 2019 12:32

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S302B-J-1.5-2.0-082319DL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 737497 |       |       |
| 101     | 10.9  |        | 7.7   | 11.5  |
| 203     | 17.4  |        | 13.7  | 20.5  |

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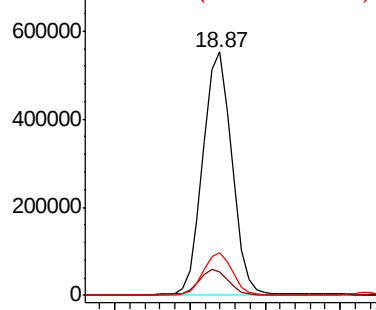


Abundance

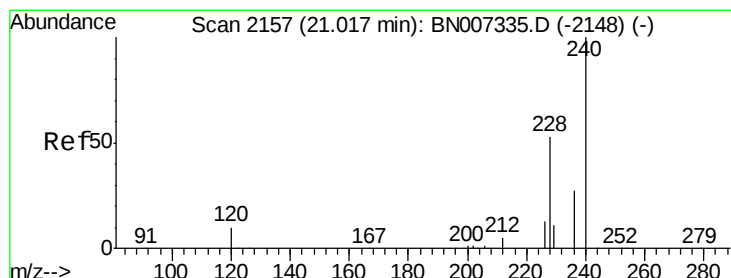
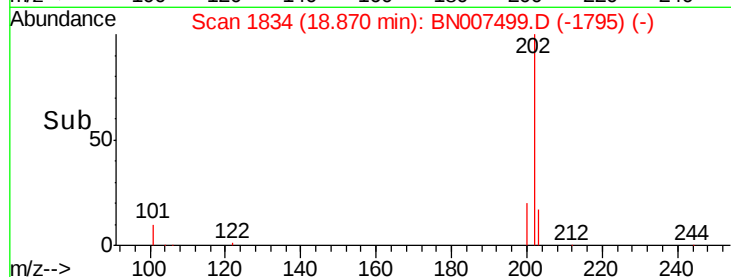
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

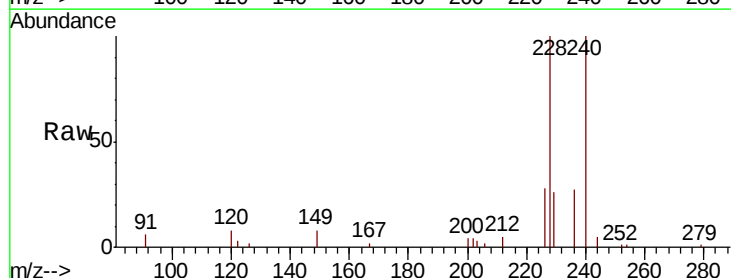


Time-->



#27  
**Chrysene-d12**  
 Concen: 0.400 ng  
 RT: 21.02 min Scan# 2158  
 Delta R.T. -0.00 min  
 Lab File: BN007499.D  
 Acq: 29 Aug 2019 12:32

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 240     | 100   | 70839 |       |       |
| 120     | 8.3   |       | 9.6   | 14.4# |
| 236     | 26.9  |       | 22.2  | 33.2  |

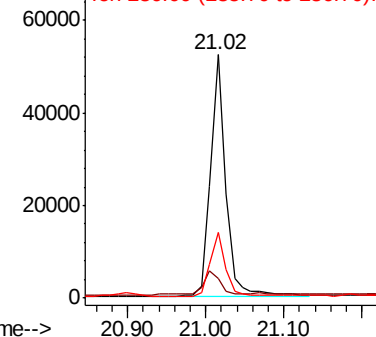


Abundance

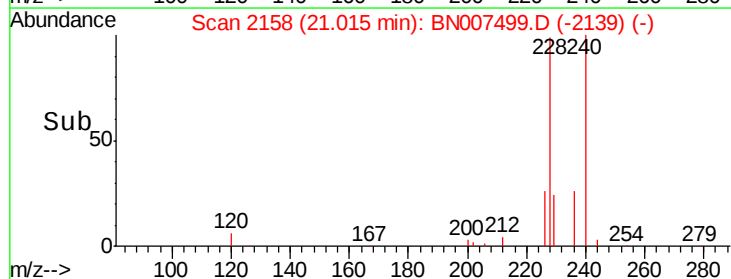
Ion 240.00 (239.70 to 240.70): E

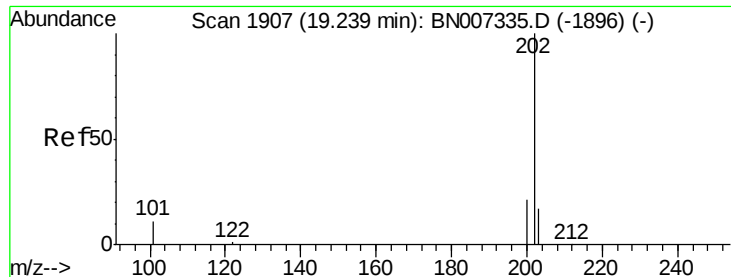
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





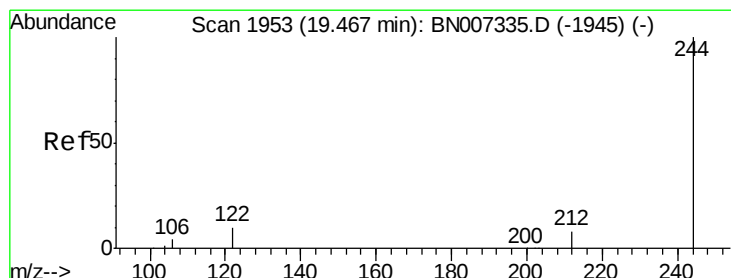
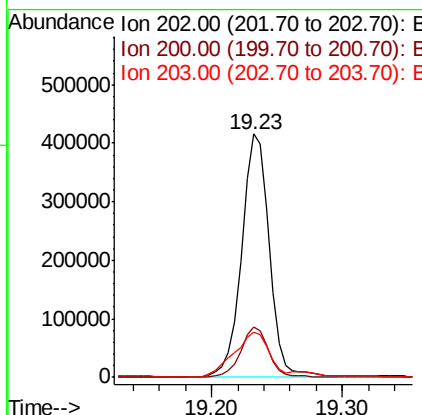
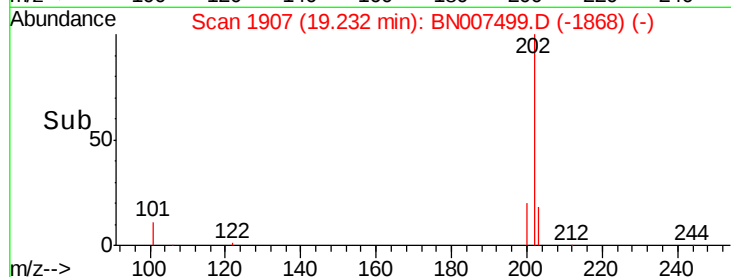
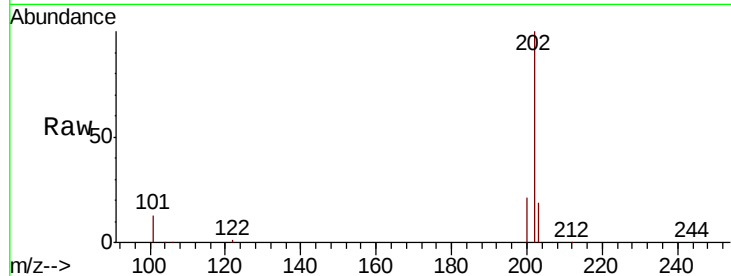
#28  
Pvrene  
Concen: 2.159 ng  
RT: 19.23 min Scan# 1907  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

Instrument :  
BNA\_N  
ClientSampleId :  
S302B-J-1.5-2.0-082319DL

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 200     | 20.8  | 16.6       | 25.0       |
| 203     | 23.4  | 14.2       | 21.4       |

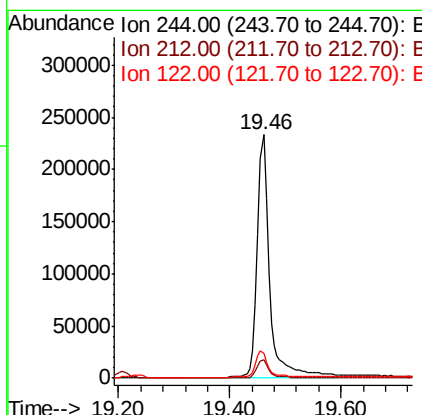
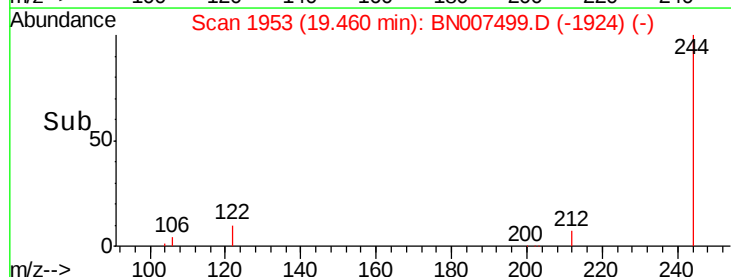
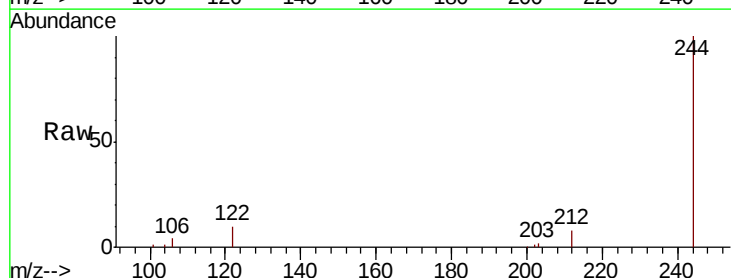
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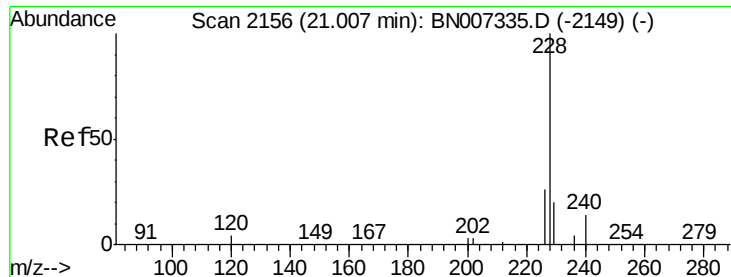
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#29  
Terphenyl-d14  
Concen: 1.953 ng  
RT: 19.46 min Scan# 1953  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 7.6   | 7.0        | 10.6       |
| 122     | 10.2  | 9.6        | 14.4       |





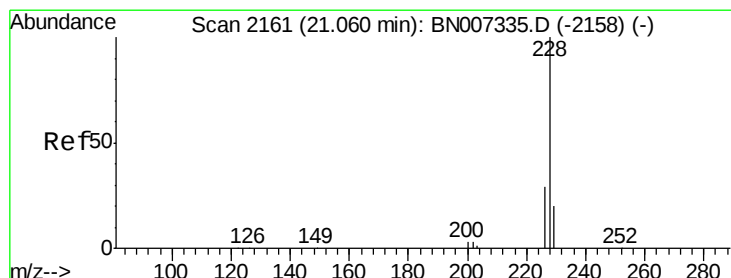
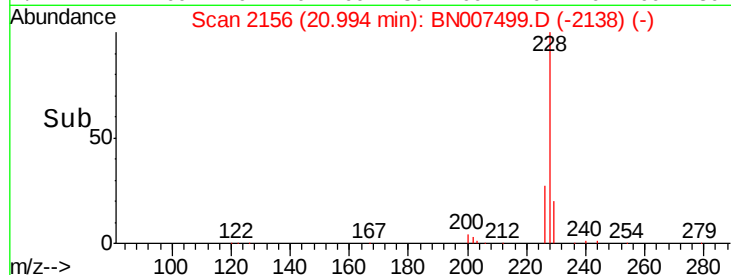
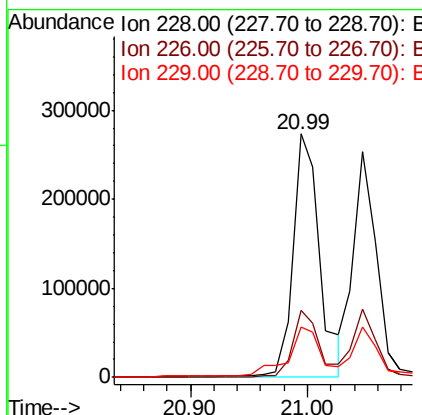
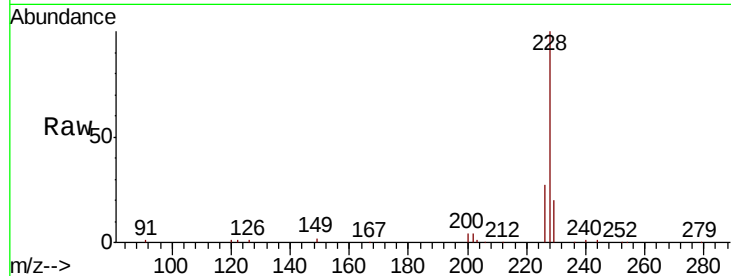
#30  
Benzo(a)anthracene  
Concen: 1.555 ng  
RT: 20.99 min Scan# 2156  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

Instrument :  
BNA\_N  
ClientSampleId :  
S302B-J-1.5-2.0-082319DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.5  | 21.3  | 31.9  |
| 229     | 20.5  | 16.1  | 24.1  |

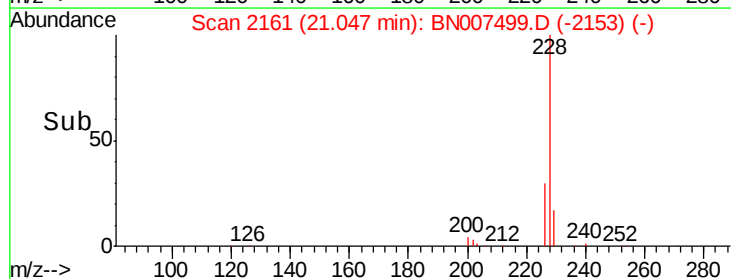
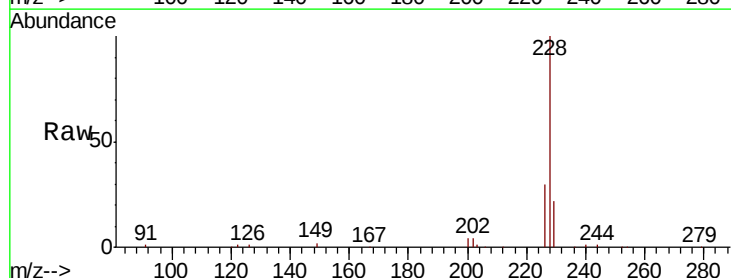
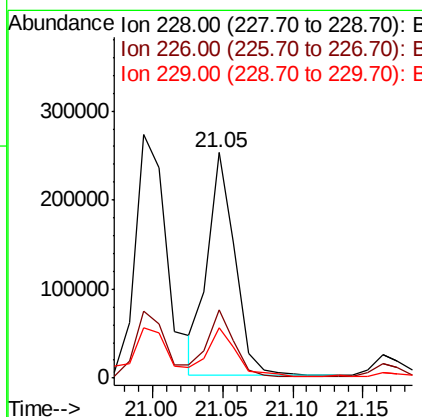
Manual Integrations  
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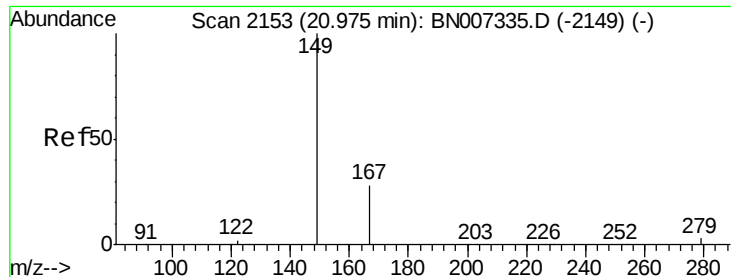
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#31  
Chrysene  
Concen: 1.253 ng  
RT: 21.05 min Scan# 2161  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 23.5  | 35.3  |
| 229     | 22.1  | 16.6  | 24.8  |





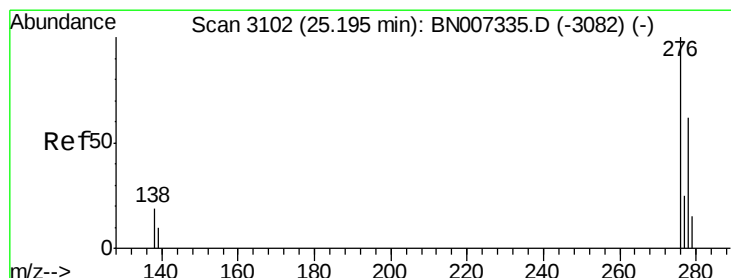
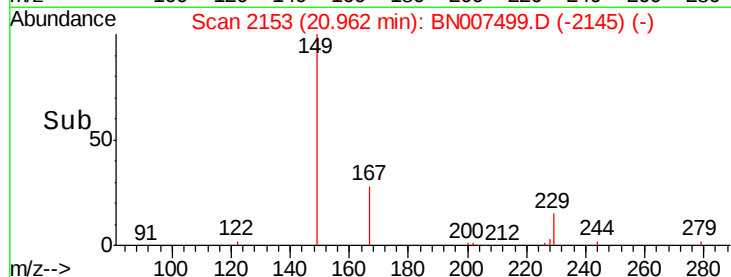
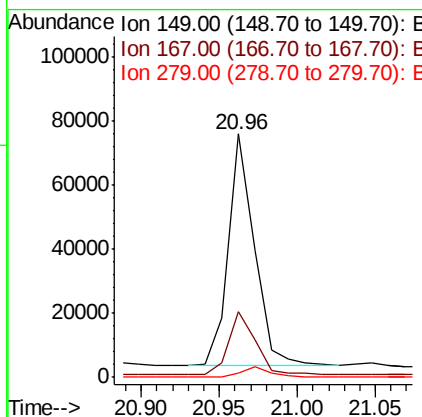
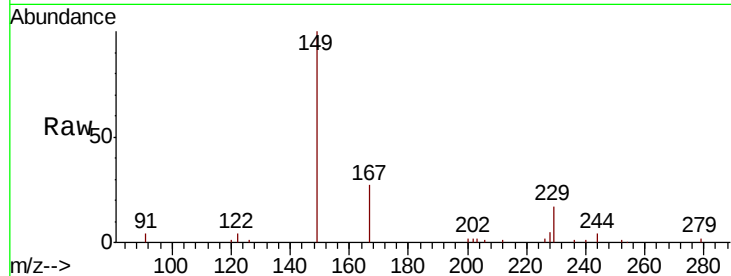
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.445 ng  
 RT: 20.96 min Scan# 2153  
 Delta R.T. -0.01 min  
 Lab File: BN007499.D  
 Acq: 29 Aug 2019 12:32

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S302B-J-1.5-2.0-082319DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.8  | 22.8  | 34.2  |
| 279     | 4.5   | 3.5   | 5.3   |

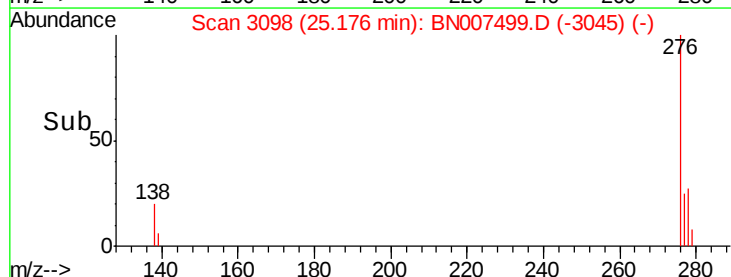
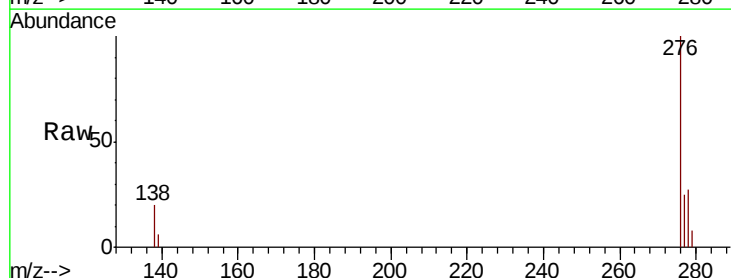
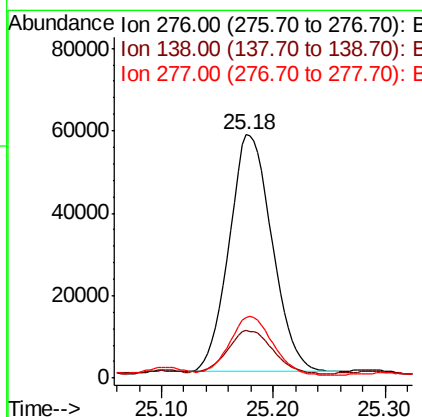
Manual Integrations  
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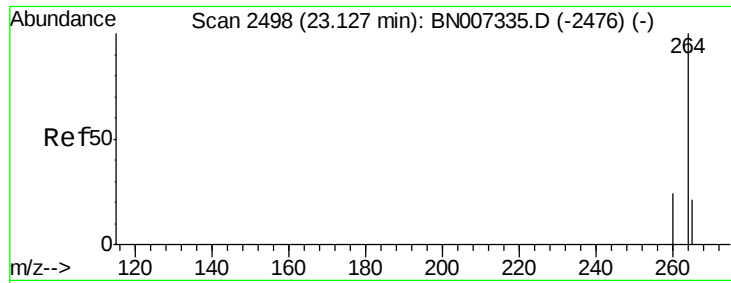
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 8/30/2019 8:57:56 AM



#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.473 ng  
 RT: 25.18 min Scan# 3098  
 Delta R.T. -0.02 min  
 Lab File: BN007499.D  
 Acq: 29 Aug 2019 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.0  | 15.1  | 22.7  |
| 277     | 25.8  | 19.7  | 29.5  |





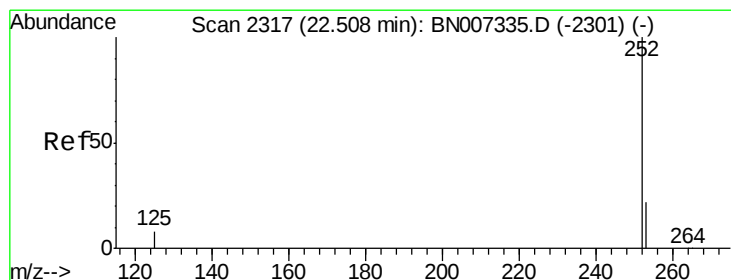
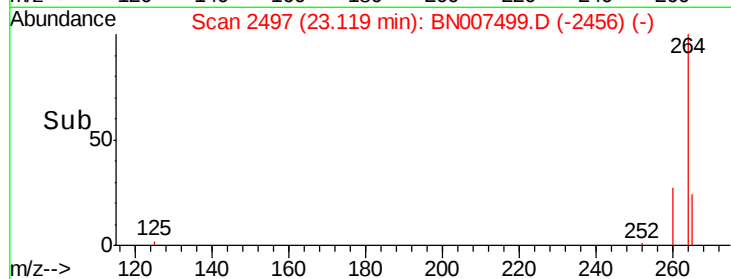
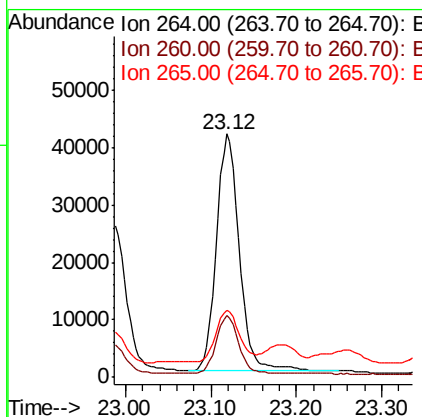
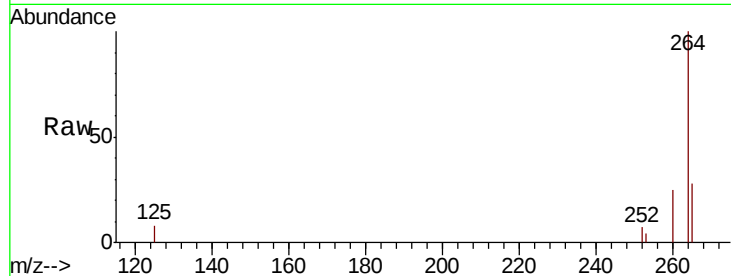
#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.12 min Scan# 2497  
 Delta R.T. -0.01 min  
 Lab File: BN007499.D  
 Acq: 29 Aug 2019 12:32

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S302B-J-1.5-2.0-082319DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.4  | 19.7  | 29.5  |
| 265     | 27.5  | 29.9  | 44.9  |

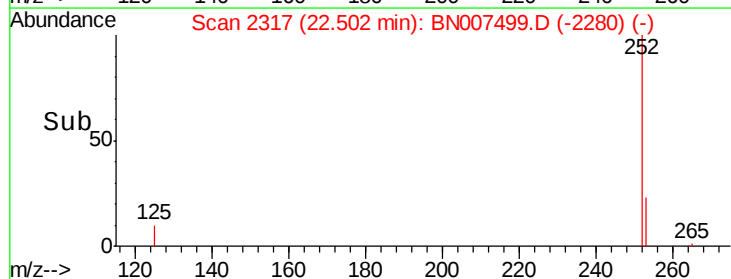
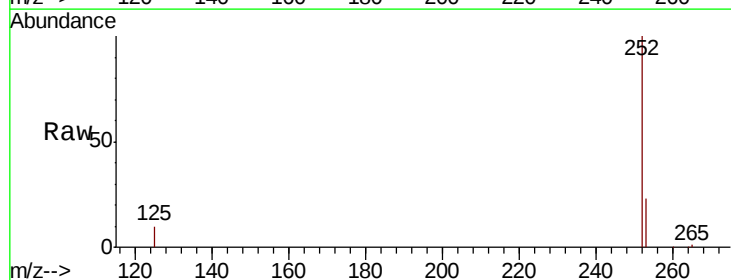
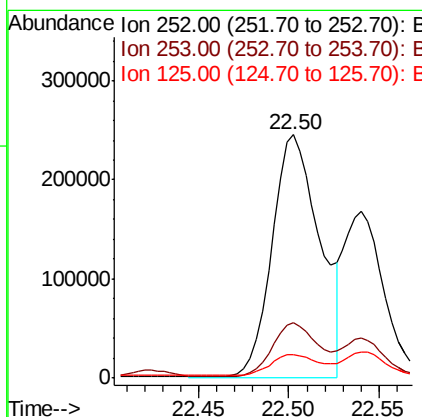
Manual Integrations  
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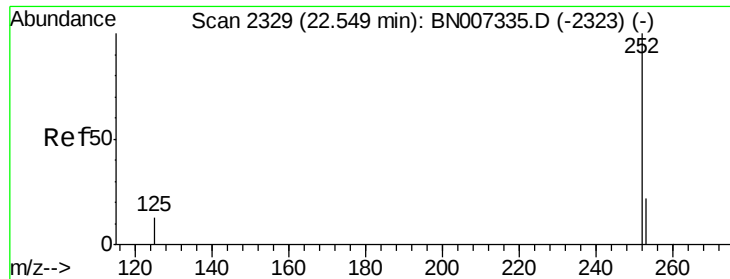
JAGRUT  
 8/30/2019 8:57:56 AM



#35  
 Benzo(b)fluoranthene  
 Concen: 1.642 ng m  
 RT: 22.50 min Scan# 2317  
 Delta R.T. -0.01 min  
 Lab File: BN007499.D  
 Acq: 29 Aug 2019 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 19.2  | 28.8  |
| 125     | 9.8   | 10.6  | 16.0  |





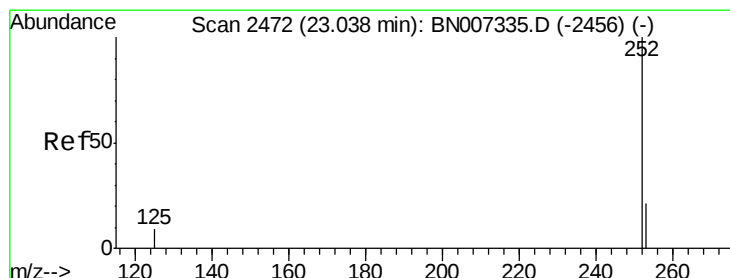
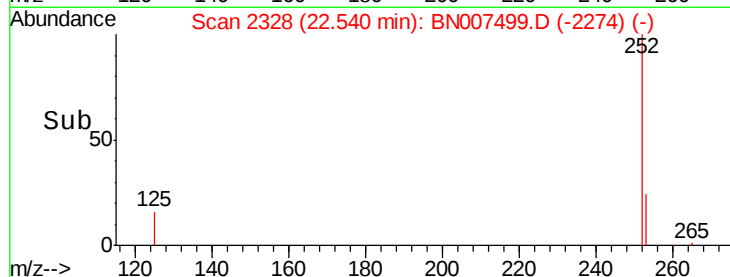
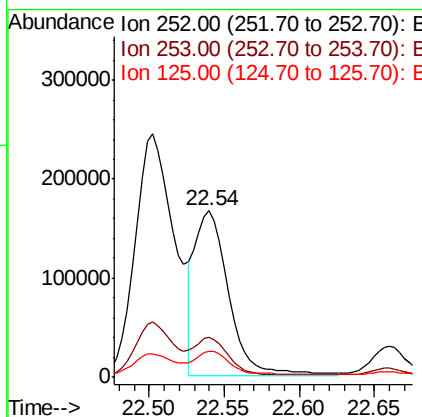
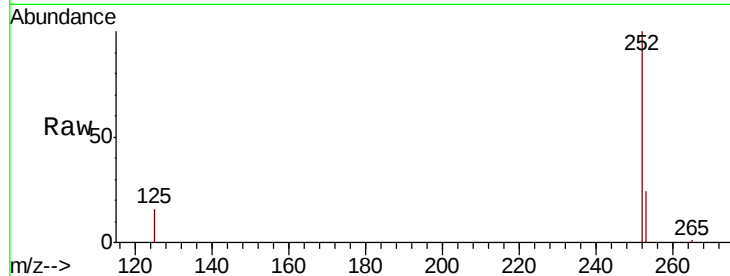
#36  
Benzo(k)fluoranthene  
Concen: 0.965 ng  
RT: 22.54 min Scan# 2328  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

Instrument :  
BNA\_N  
ClientSampleId :  
S302B-J-1.5-2.0-082319DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.8  | 19.4  | 29.2  |
| 125     | 15.7  | 13.1  | 19.7  |

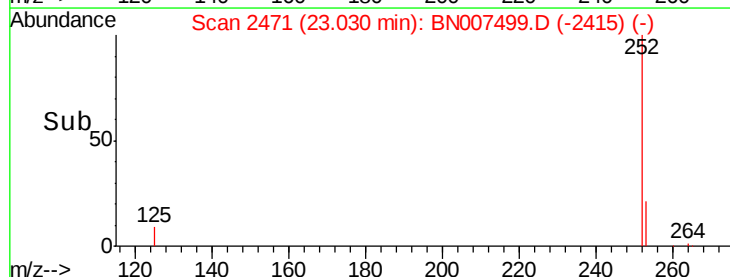
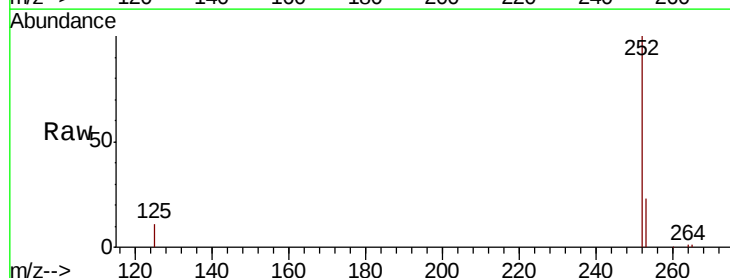
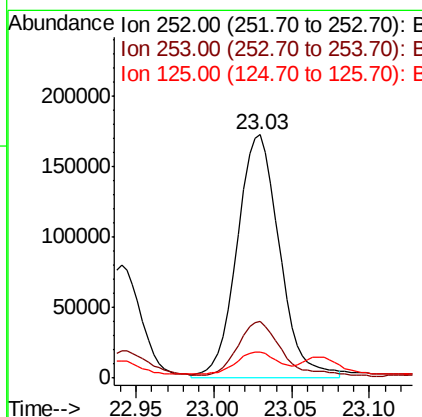
Manual Integrations  
APPROVED

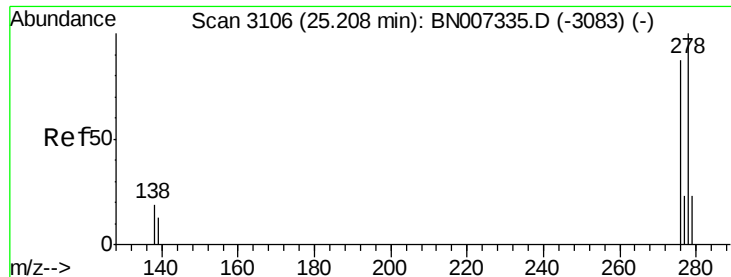
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8/30/2019 8:57:56 AM



#37  
Benzo(a)pyrene  
Concen: 1.254 ng m  
RT: 23.03 min Scan# 2471  
Delta R.T. -0.01 min  
Lab File: BN007499.D  
Acq: 29 Aug 2019 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 19.5  | 29.3  |
| 125     | 10.7  | 12.1  | 18.1# |





#38

Dibenzo(a,h)anthracene

Concen: 0.244 ng

RT: 25.19 min Scan# 3103

Delta R.T. -0.02 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

Instrument :

BNA\_N

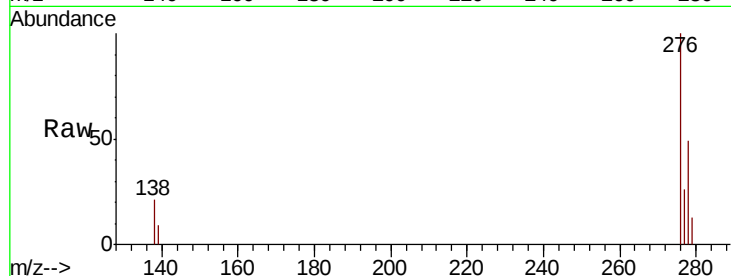
ClientSampleId :

S302B-J-1.5-2.0-082319DL

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:278 | Resp: | 64168     |
| Ion Ratio   | Lower | Upper     |
| 278         | 100   |           |
| 139         | 18.4  | 13.7 20.5 |
| 279         | 27.3  | 20.2 30.4 |

Manual Integrations  
APPROVED

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8/30/2019 8:57:56 AM

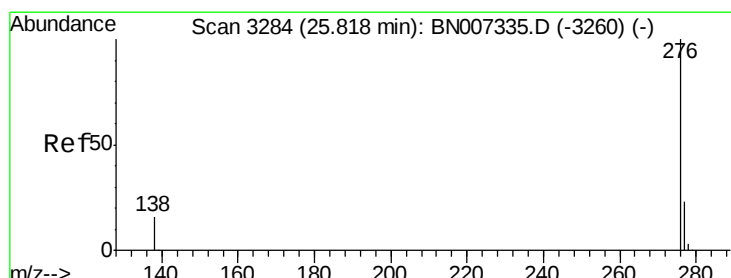
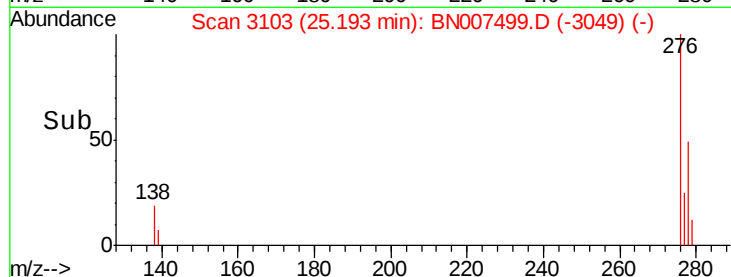
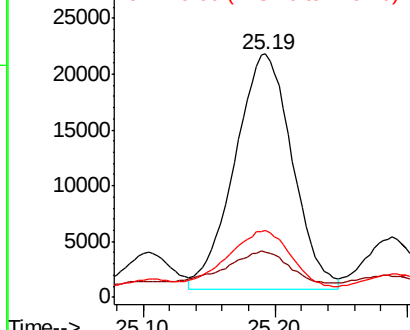


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.521 ng

RT: 25.81 min Scan# 3282

Delta R.T. -0.01 min

Lab File: BN007499.D

Acq: 29 Aug 2019 12:32

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 136156    |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 277         | 24.7  | 19.6 29.4 |
| 138         | 20.1  | 16.3 24.5 |

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

