

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN030618\  
 Data File : BN000269.D  
 Acq On : 06 Mar 2018 18:17  
 Operator : JU/SJ  
 Sample : J1699-21  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 B2

Manual Integrations  
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Sohil  
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Quant Time: Mar 07 06:31:53 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 07 18:24:45 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.45  | 152  | 299950   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 11.29 | 136  | 1442743  | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 15.06 | 164  | 807391   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 17.78 | 188  | 1671995  | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 21.89 | 240  | 1629197  | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 24.37 | 264  | 1610503  | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.93  | 112  | 1388009  | 75.42  | ng    | -0.02    |
| 7) Phenol-d6                   | 7.58  | 99   | 2012375  | 72.18  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.63  | 82   | 1164489  | 47.99  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 16.53 | 330  | 521249   | 65.22  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 13.69 | 172  | 2439897  | 42.59  | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.33 | 244  | 2969057  | 49.21  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 32) Benzoic acid               | 10.46 | 122  | 3641m    | 10.719 | ng    | Qvalue   |
| 35) Caprolactam                | 12.16 | 113  | 1914     | 4.218  | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.70 | 149  | 953409   | 8.964  | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.76 | 149  | 40952    | 3.431  | ng    | # 94     |

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

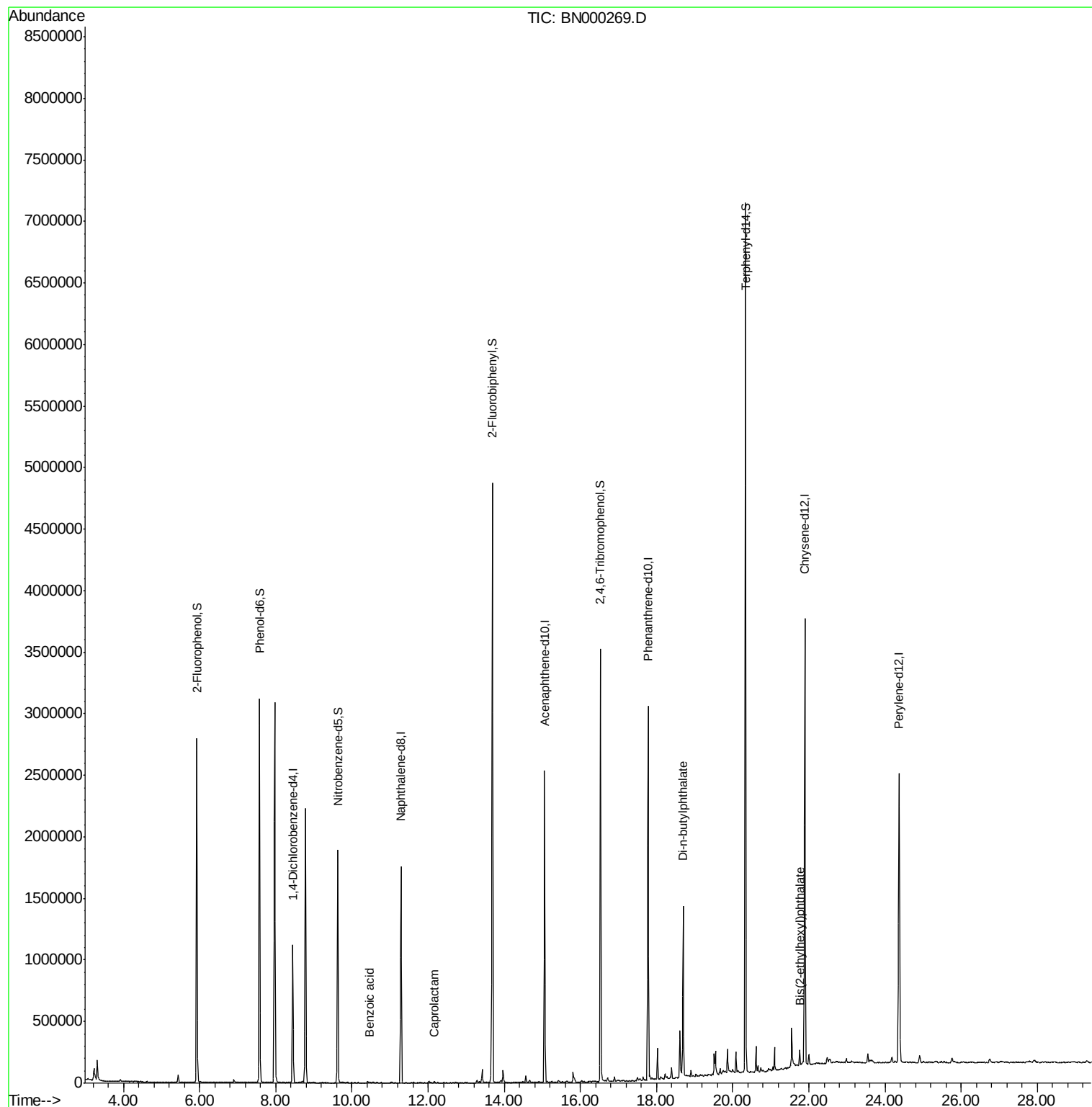
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN030618\  
Data File : BN000269.D  
Acq On : 06 Mar 2018 18:17  
Operator : JU/SJ  
Sample : J1699-21  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

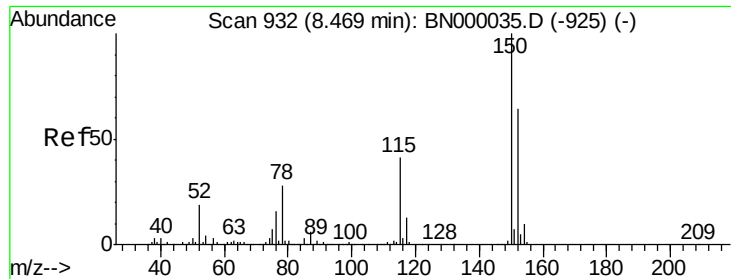
Instrument :  
BNA\_N  
ClientSampleId :  
B2

Manual Integrations  
APPROVED

Sohil  
3/7/2018 12:09:21 PM

Quant Time: Mar 07 06:31:53 2018  
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 07 18:24:45 2018  
Response via : Initial Calibration





#1

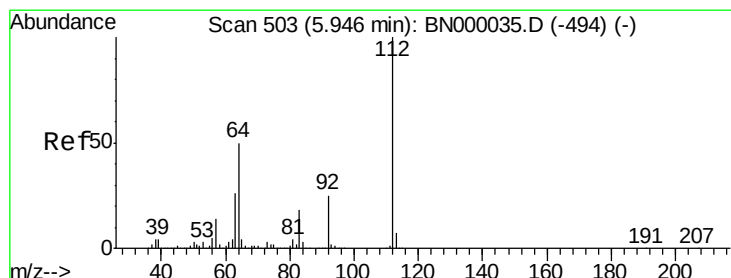
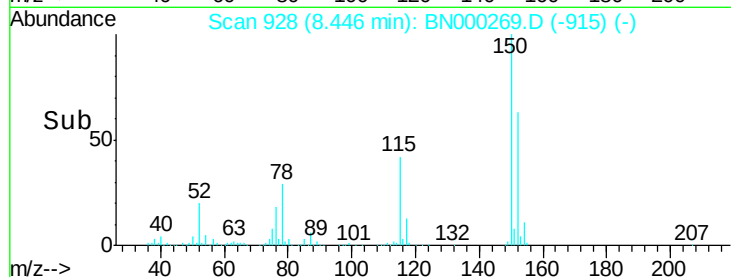
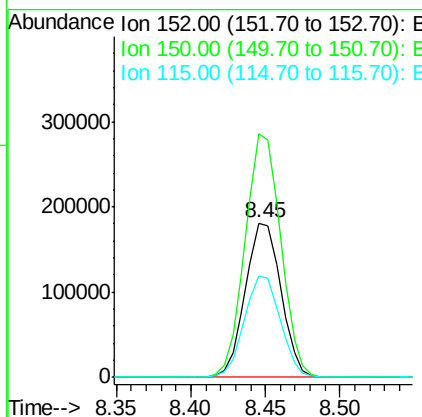
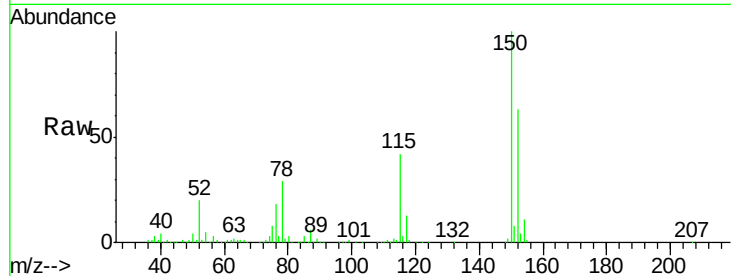
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.45 min Scan# 928  
Delta R.T. -0.02 min  
Lab File: BN000269.D  
Acq: 06 Mar 2018 18:17

Instrument :  
BNA\_N  
ClientSampled :  
B2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.0 | 126.6 | 189.8 |
| 115     | 66.3  | 53.0  | 79.4  |

Manual Integrations  
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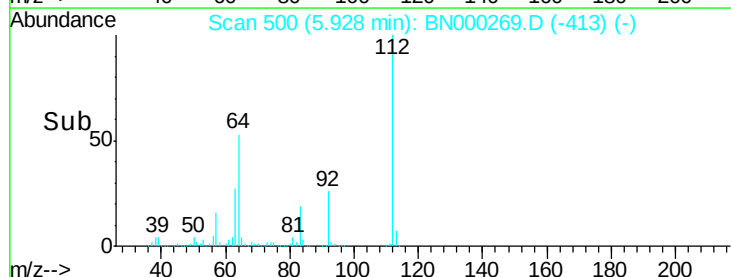
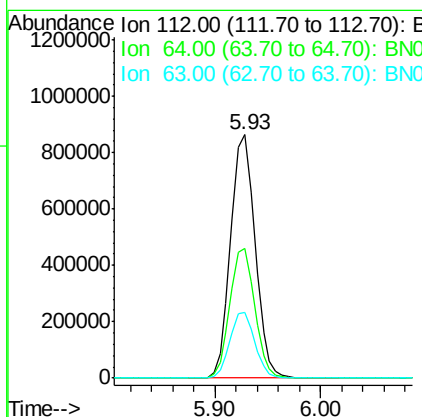
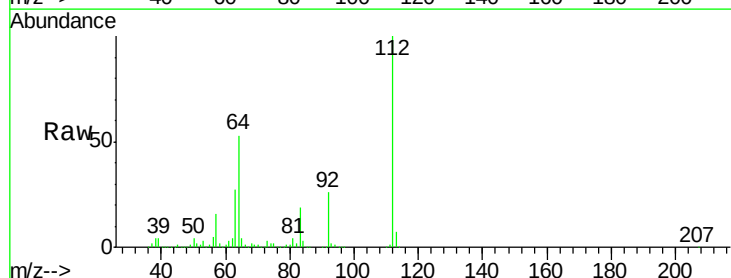
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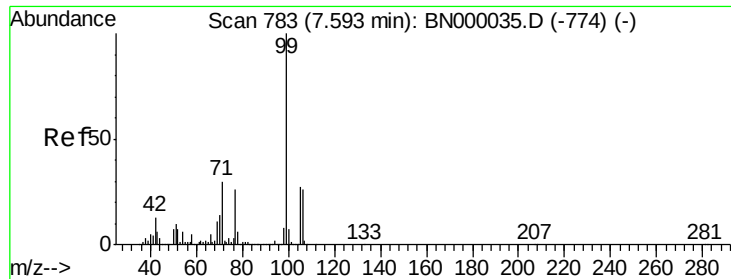


#5

2-Fluorophenol  
Concen: 75.417 ng  
RT: 5.93 min Scan# 500  
Delta R.T. -0.02 min  
Lab File: BN000269.D  
Acq: 06 Mar 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.2  | 56.3  | 84.5# |
| 63      | 26.8  | 30.1  | 45.1# |





#7

Phenol-d6

Concen: 72.184 ng

RT: 7.58 min Scan# 780

Delta R.T. -0.02 min

Lab File: BN000269.D

Acq: 06 Mar 2018 18:17

Instrument :

BNA\_N

ClientSampled :

B2

Tot Ion: 99 Resp: 2012375

Ion Ratio Lower Upper

99 100

42 13.1 14.1 21.1#

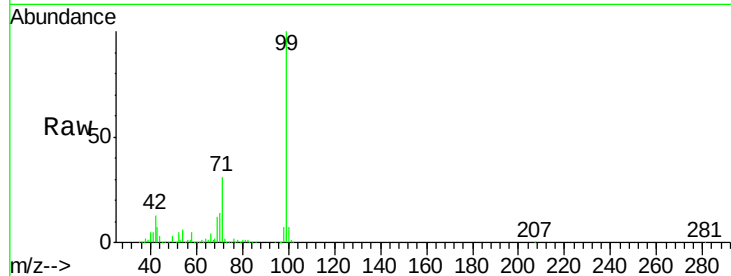
71 30.6 26.1 39.1

Manual Integrations

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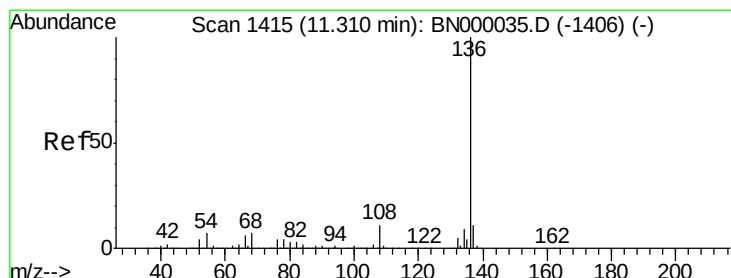
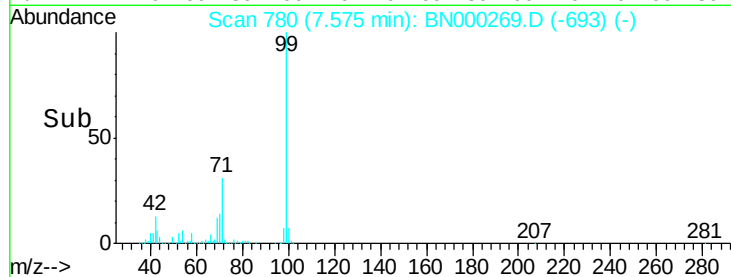
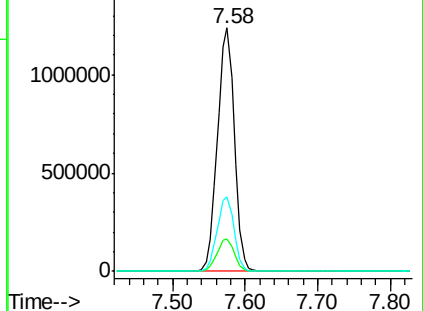
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Abundance Ion 99.00 (98.70 to 99.70): BN000035.D (-774) (-)

Ion 42.00 (41.70 to 42.70): BN000035.D (-774) (-)

Ion 71.00 (70.70 to 71.70): BN000035.D (-774) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.29 min Scan# 1411

Delta R.T. -0.02 min

Lab File: BN000269.D

Acq: 06 Mar 2018 18:17

Tgt Ion: 136 Resp: 1442743

Ion Ratio Lower Upper

136 100

137 10.6 9.2 13.8

54 7.3 10.3 15.5#

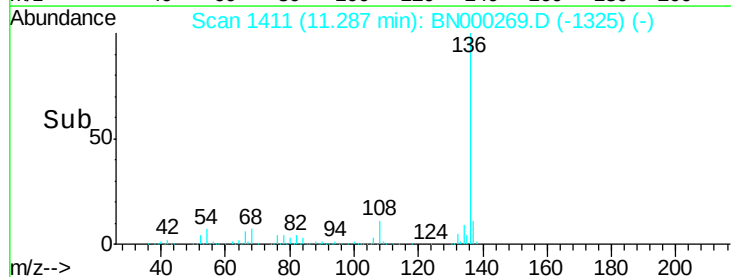
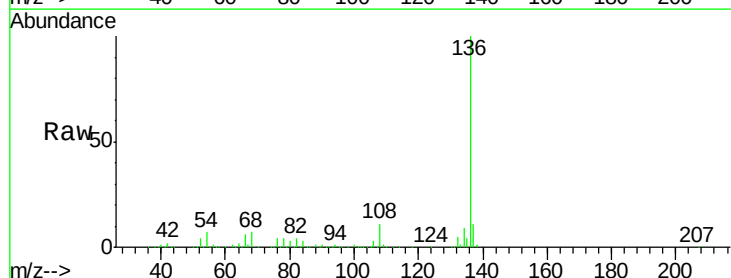
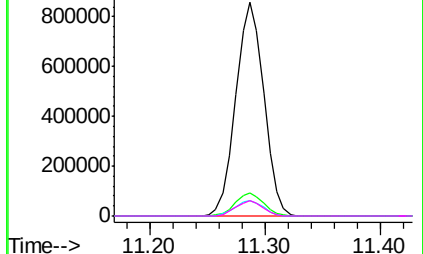
68 7.2 4.5 6.7#

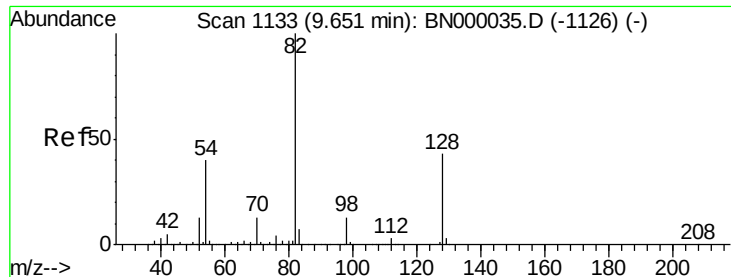
Abundance Ion 136.00 (135.70 to 136.70): BN000035.D (-1406) (-)

Ion 137.00 (136.70 to 137.70): BN000035.D (-1406) (-)

Ion 54.00 (53.70 to 54.70): BN000035.D (-1406) (-)

Ion 68.00 (67.70 to 68.70): BN000035.D (-1406) (-)





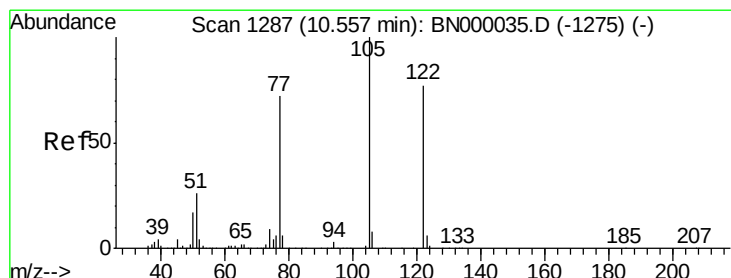
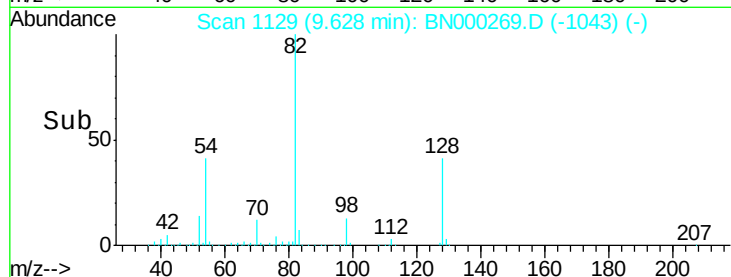
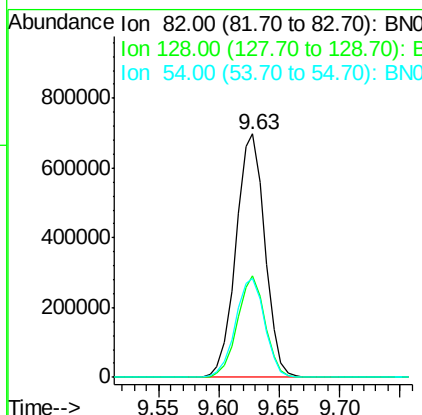
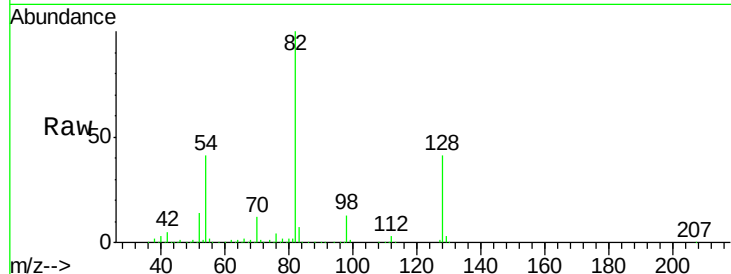
#23  
 Nitrobenzene-d5  
 Concen: 47.989 ng  
 RT: 9.63 min Scan# 1129  
 Delta R.T. -0.02 min  
 Lab File: BN000269.D  
 Acq: 06 Mar 2018 18:17

Instrument :  
 BNA\_N  
 ClientSampled :  
 B2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.5  | 29.7  | 44.5  |
| 54      | 40.5  | 43.1  | 64.7  |

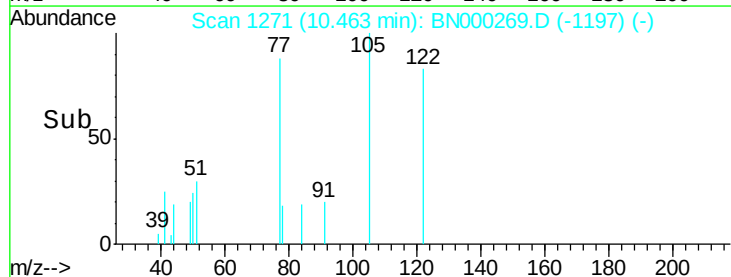
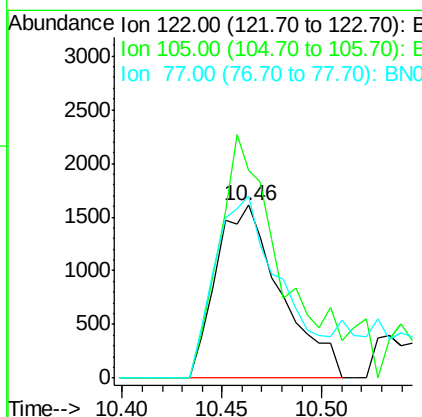
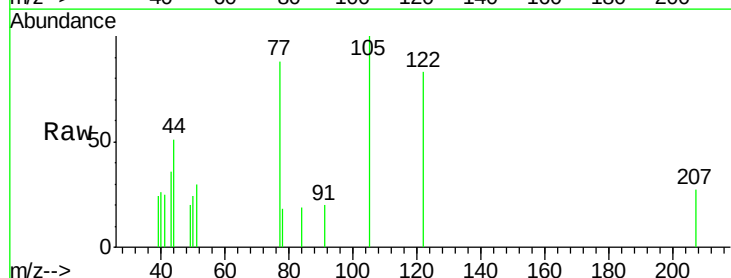
Manual Integrations  
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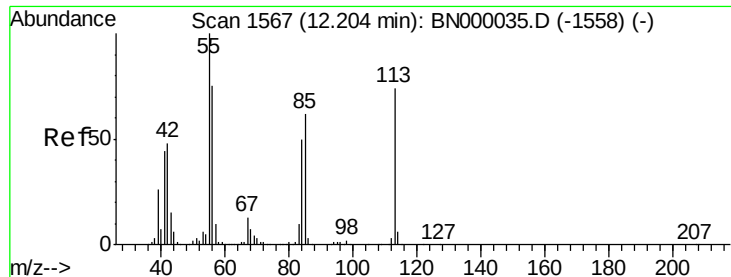
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#32  
 Benzoic acid  
 Concen: 10.719 ng m  
 RT: 10.46 min Scan# 1271  
 Delta R.T. -0.09 min  
 Lab File: BN000269.D  
 Acq: 06 Mar 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 120.3 | 123.5 | 163.5 |
| 77      | 105.5 | 85.7  | 125.7 |





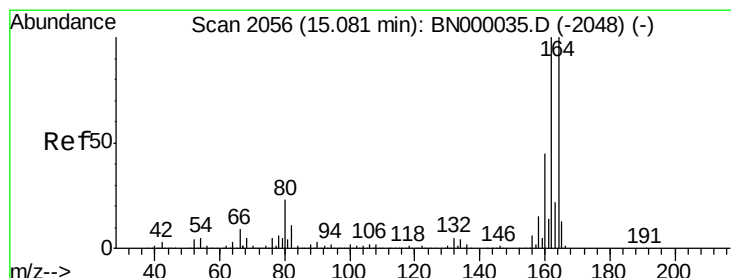
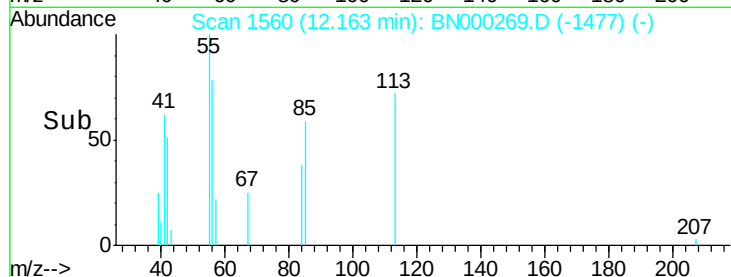
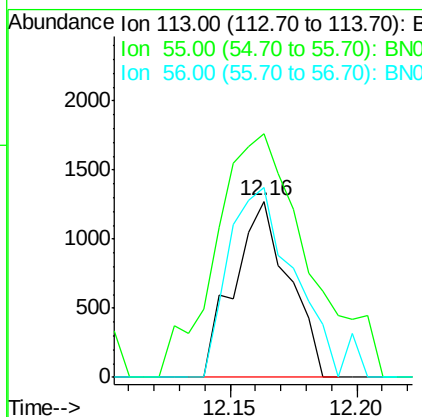
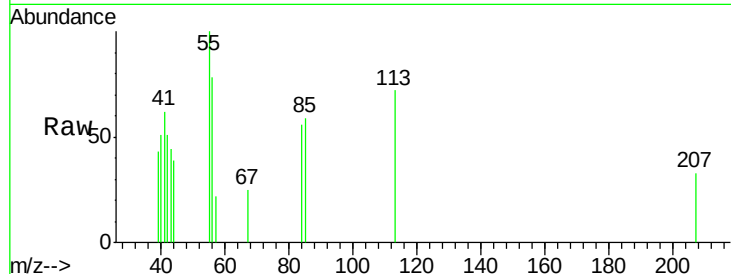
#35  
 Caprolactam  
 Concen: 4.218 ng  
 RT: 12.16 min Scan# 1560  
 Delta R.T. -0.04 min  
 Lab File: BN000269.D  
 Acq: 06 Mar 2018 18:17

Instrument :  
 BNA\_N  
 ClientSampled :  
 B2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 138.2 | 120.0 | 160.0 |
| 56      | 107.5 | 90.0  | 130.0 |

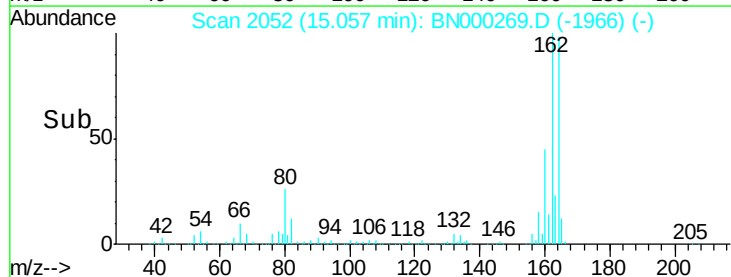
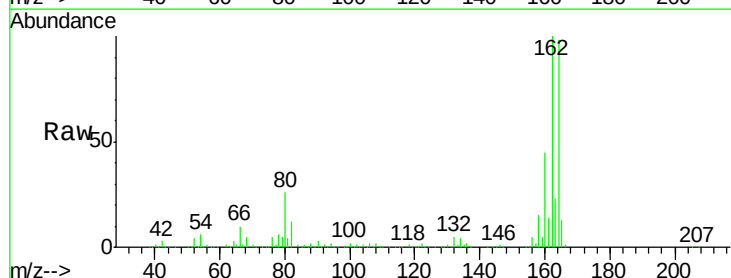
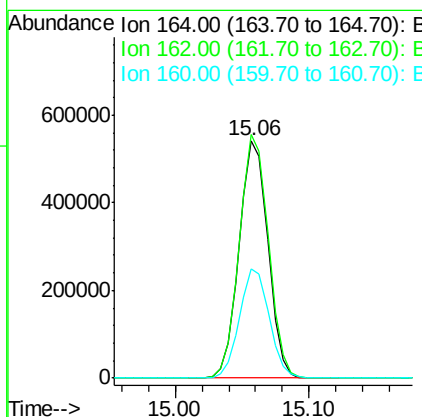
Manual Integrations  
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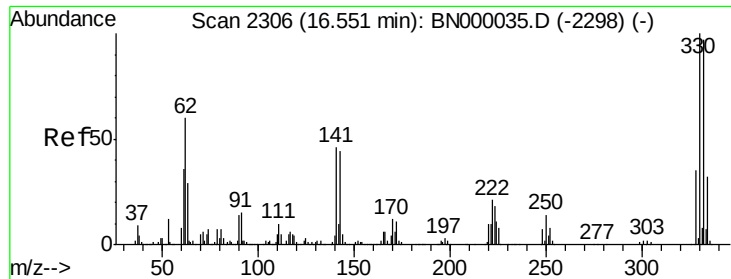
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#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.06 min Scan# 2052  
 Delta R.T. -0.02 min  
 Lab File: BN000269.D  
 Acq: 06 Mar 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.5 | 78.8  | 118.2 |
| 160     | 45.8  | 35.4  | 53.0  |





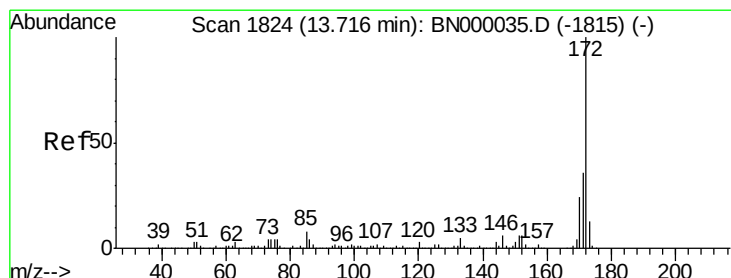
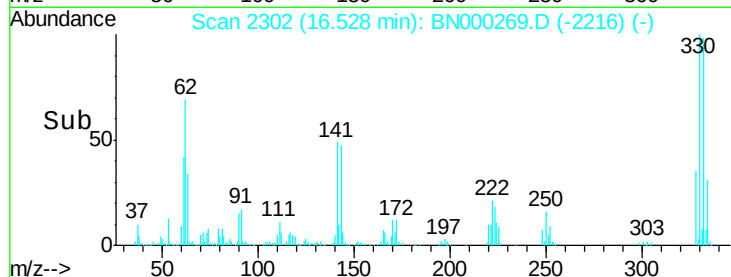
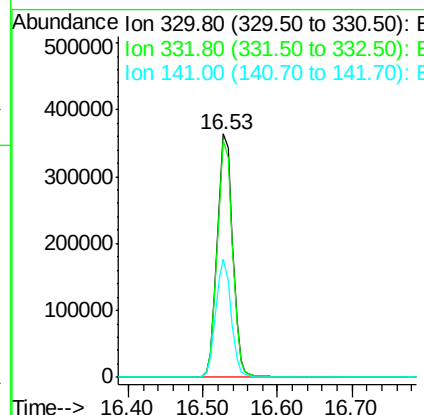
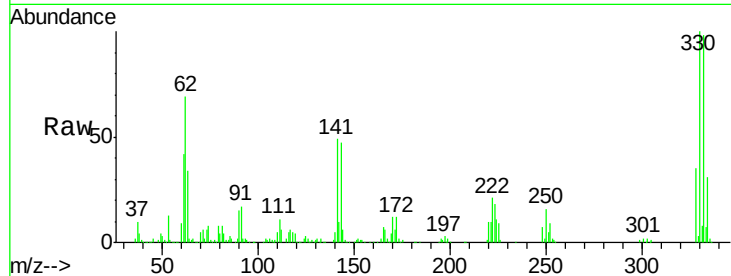
#41  
 2,4,6-Tribromophenol  
 Concen: 65.222 ng  
 RT: 16.53 min Scan# 2302  
 Delta R.T. -0.02 min  
 Lab File: BN000269.D  
 Acq: 06 Mar 2018 18:17

Instrument :  
 BNA\_N  
 ClientSampled :  
 B2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.0  | 115.6 |
| 141     | 48.1  | 25.2  | 37.8  |

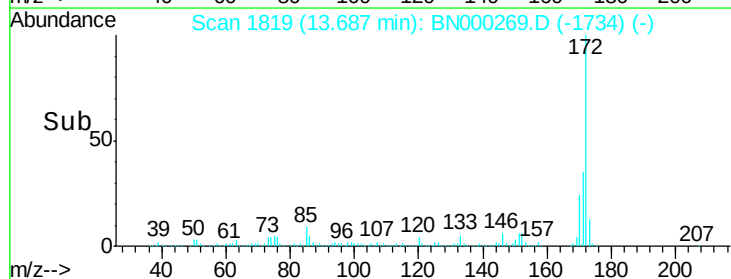
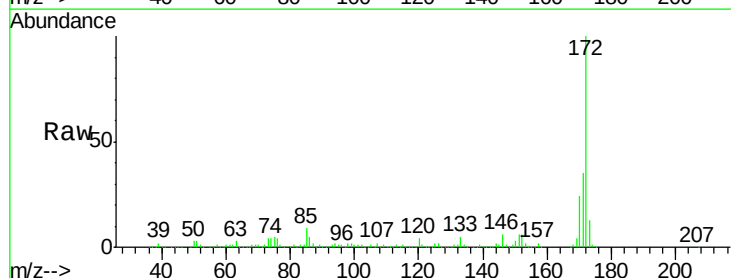
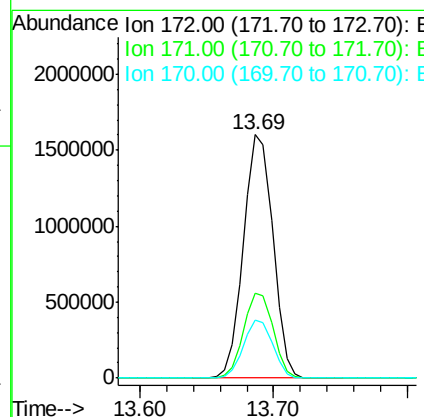
Manual Integrations  
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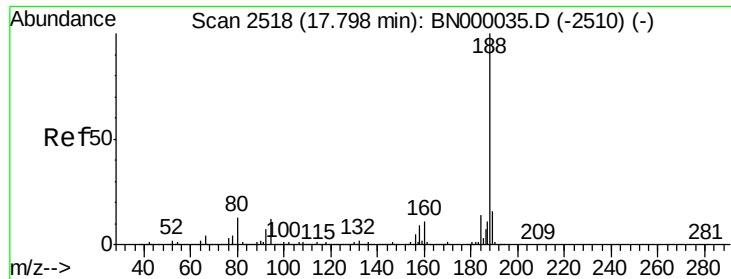
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#44  
 2-Fluorobiphenyl  
 Concen: 42.592 ng  
 RT: 13.69 min Scan# 1819  
 Delta R.T. -0.03 min  
 Lab File: BN000269.D  
 Acq: 06 Mar 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 30.0  | 45.0  |
| 170     | 23.9  | 19.5  | 29.3  |





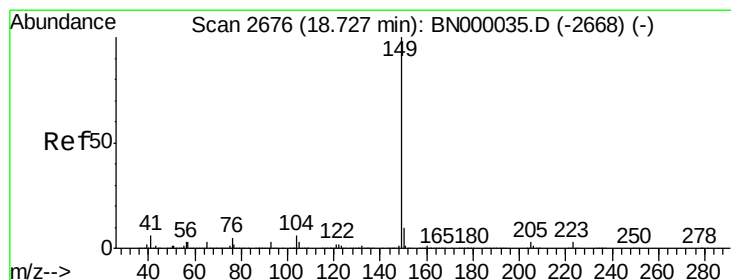
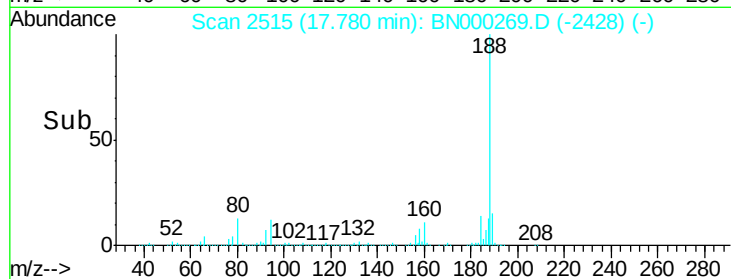
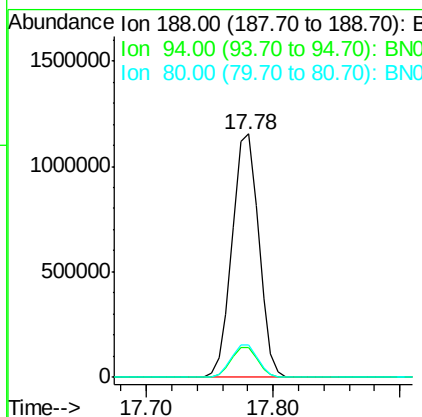
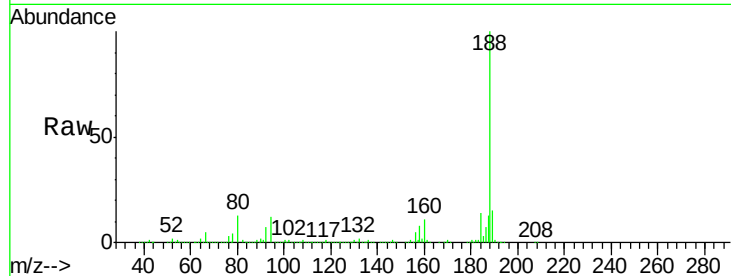
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.78 min Scan# 2515  
 Delta R.T. -0.02 min  
 Lab File: BN000269.D  
 Acq: 06 Mar 2018 18:17

Instrument :  
 BNA\_N  
 ClientSampleId :  
 B2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.4  | 6.9   | 10.3# |
| 80      | 13.2  | 7.7   | 11.5# |

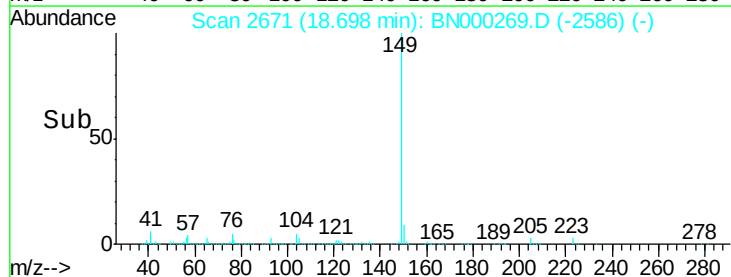
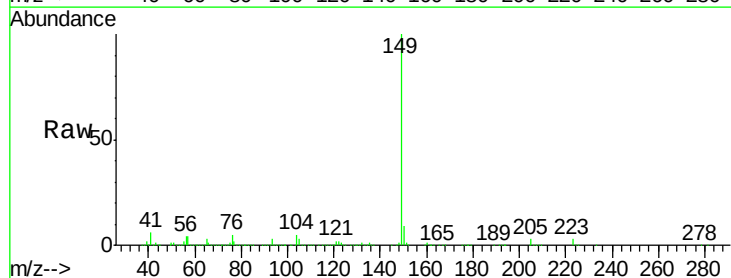
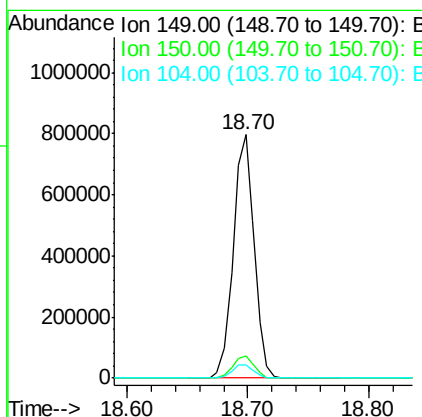
Manual Integrations  
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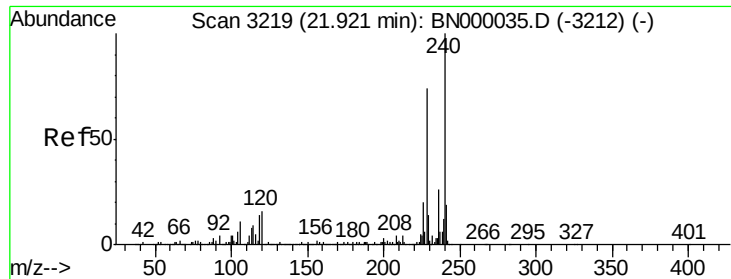


#73  
 Di-n-butylphthalate  
 Concen: 8.964 ng  
 RT: 18.70 min Scan# 2671  
 Delta R.T. -0.03 min  
 Lab File: BN000269.D  
 Acq: 06 Mar 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.2   | 7.8   | 11.6  |
| 104     | 5.4   | 3.9   | 5.9   |







#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.89 min Scan# 3214

Delta R.T. -0.03 min

Lab File: BN000269.D

Acq: 06 Mar 2018 18:17

Instrument :

BNA\_N

ClientSampled :

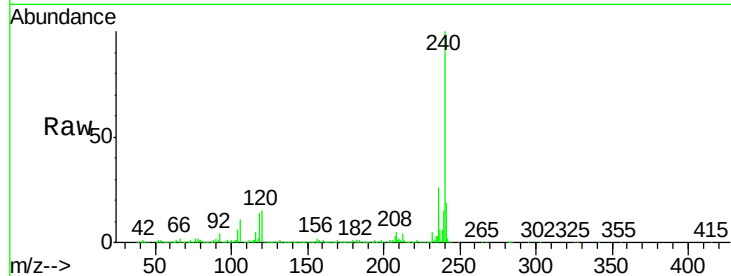
B2

Tot Ion:240 Resp: 1629197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 14.8  | 6.8   | 10.2# |
| 236 | 25.5  | 20.9  | 31.3  |

Manual Integrations  
APPROVED

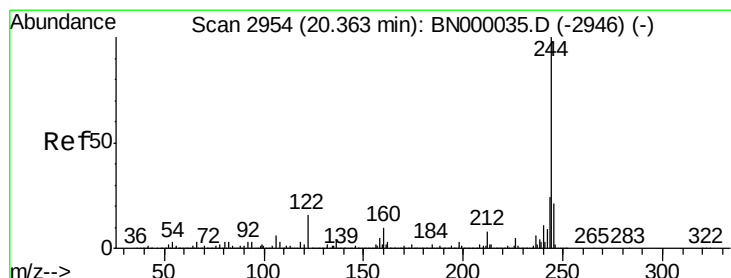
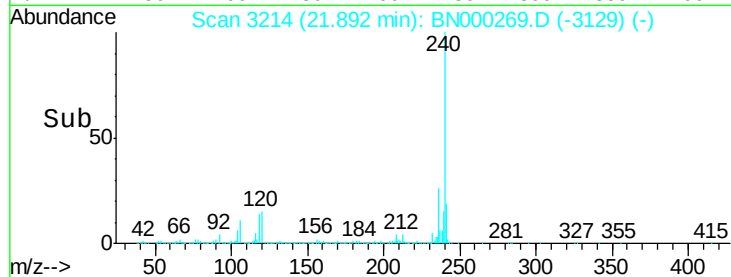
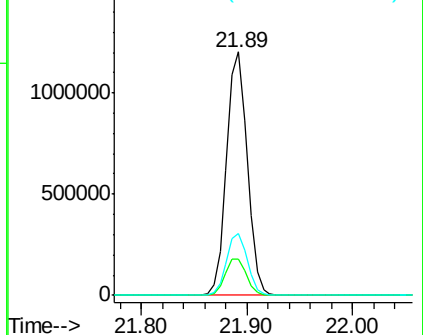
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3/7/2018 12:09:21 PM



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



#78

Terphenyl-d14

Concen: 49.208 ng

RT: 20.33 min Scan# 2949

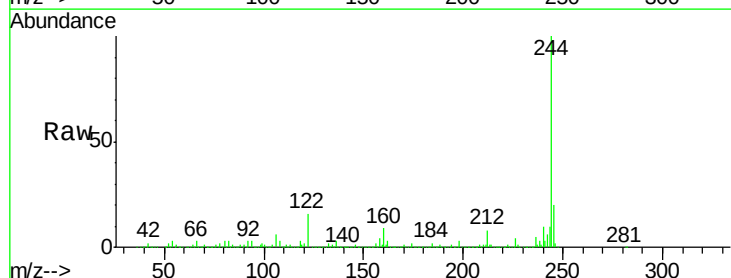
Delta R.T. -0.03 min

Lab File: BN000269.D

Acq: 06 Mar 2018 18:17

Tgt Ion:244 Resp: 2969057

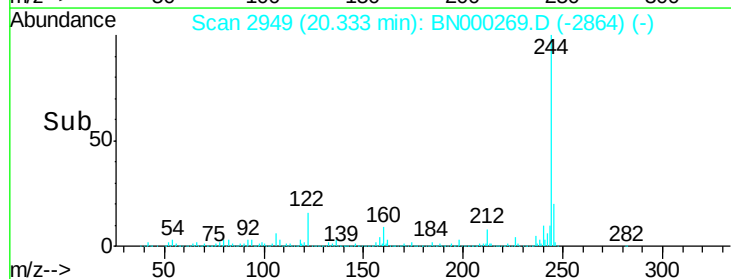
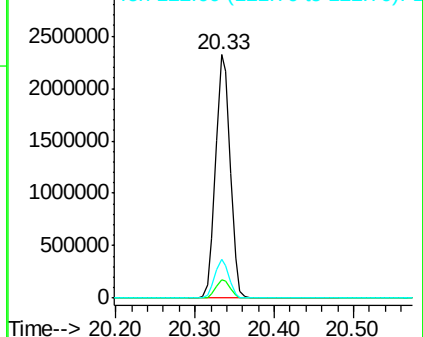
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 5.8   | 8.8   |
| 122 | 15.8  | 7.0   | 10.4# |

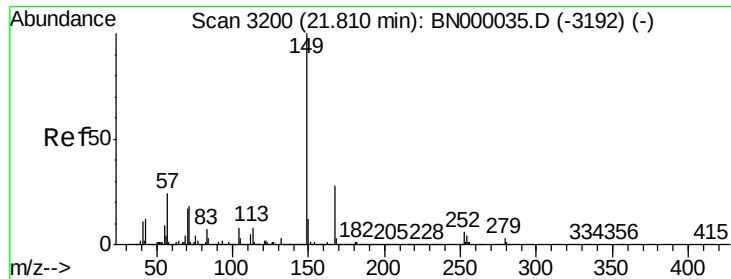


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





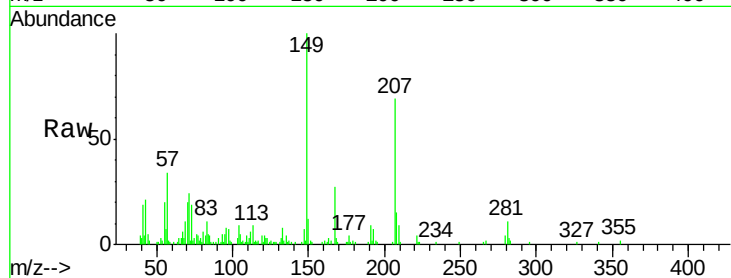
#83  
Bis(2-ethylhexyl)phthalate  
Concen: 3.431 ng  
RT: 21.76 min Scan# 3192  
Delta R.T. -0.05 min  
Lab File: BN000269.D  
Acq: 06 Mar 2018 18:17

Instrument :  
BNA\_N  
ClientSampled :  
B2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.0  | 24.3  | 36.5  |
| 279     | 3.6   | 4.0   | 6.0   |

Manual Integrations  
APPROVED

Sohil  
3/7/2018 12:09:21 PM

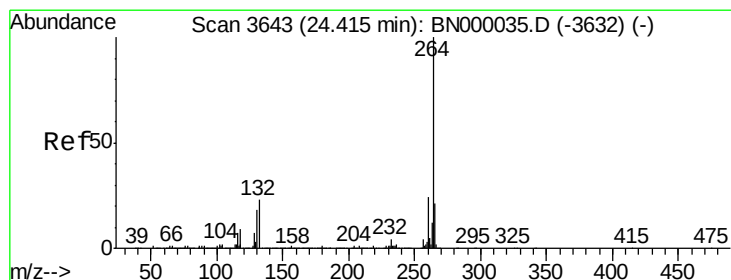
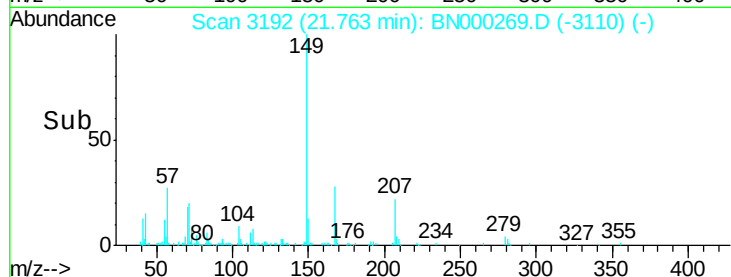
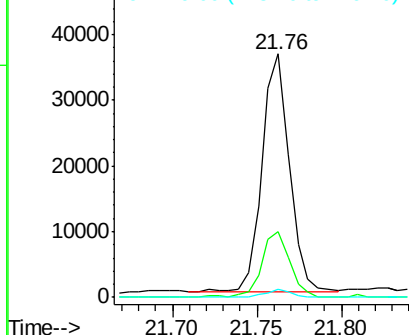


Abundance

Ion 149.00 (148.70 to 149.70): E

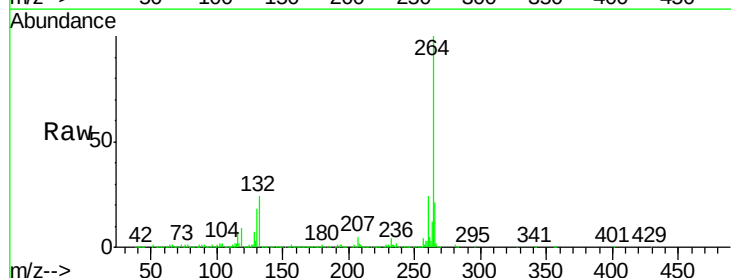
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.37 min Scan# 3635  
Delta R.T. -0.05 min  
Lab File: BN000269.D  
Acq: 06 Mar 2018 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 17.4  | 26.0  |
| 265     | 21.2  | 17.7  | 26.5  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

