

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN030618\  
 Data File : BN000258.D  
 Acq On : 06 Mar 2018 11:57  
 Operator : JU/SJ  
 Sample : J1699-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 B1

Manual Integrations  
 APPROVED

Sohil  
 3/7/2018 12:09:13 PM

Quant Time: Mar 07 05:41:39 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  | 258891   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 11.29 | 136  | 1248883  | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 15.06 | 164  | 708705   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 17.78 | 188  | 1549873  | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 21.89 | 240  | 1550230  | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 24.37 | 264  | 1636993  | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.93  | 112  | 1650782  | 103.92 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.58  | 99   | 2444993  | 101.61 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.63  | 82   | 1390373  | 66.19  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 16.53 | 330  | 665935   | 94.93  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 13.69 | 172  | 2994612  | 59.55  | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.34 | 244  | 4020910  | 70.03  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 32) Benzoic acid               | 10.46 | 122  | 9468m    | 11.071 | ng    | Qvalue   |
| 35) Caprolactam                | 12.15 | 113  | 2812     | 4.357  | ng    | 89       |
| 73) Di-n-butylphthalate        | 18.70 | 149  | 1141323  | 11.577 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.76 | 149  | 37960    | 3.417  | ng    | # 90     |

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

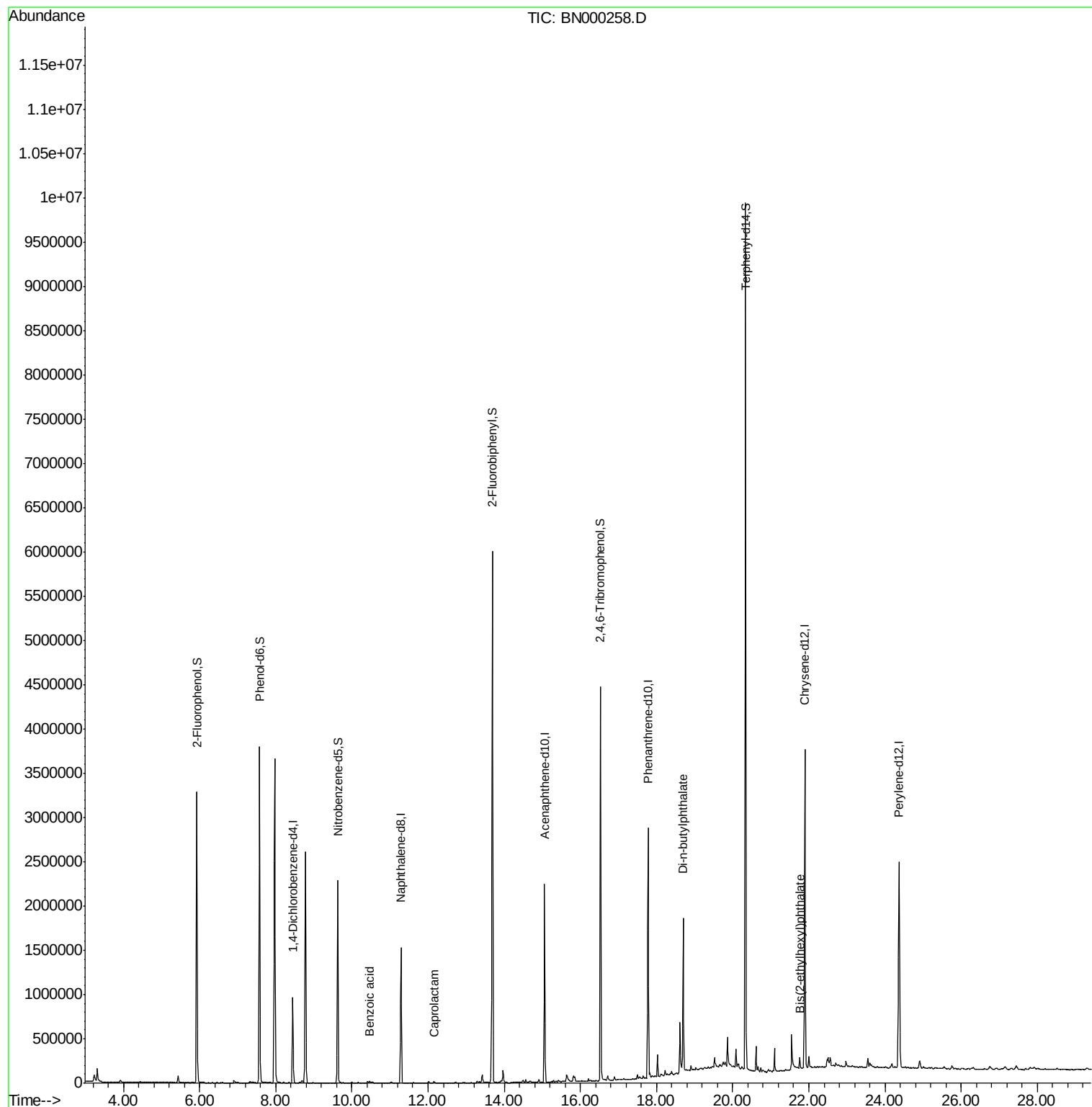
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA N\DATA\BN030618\  
Data File : BN000258.D  
Acq On : 06 Mar 2018 11:57  
Operator : JU/SJ  
Sample : J1699-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

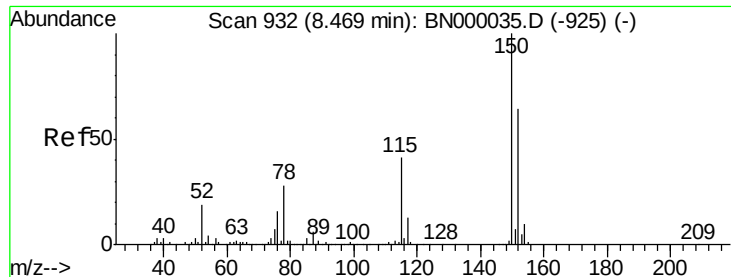
Instrument :  
BNA\_N  
ClientSampleId :  
B1

Manual Integrations  
APPROVED

Sohil  
3/7/2018 12:09:13 PM

Quant Time: Mar 07 05:41:39 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

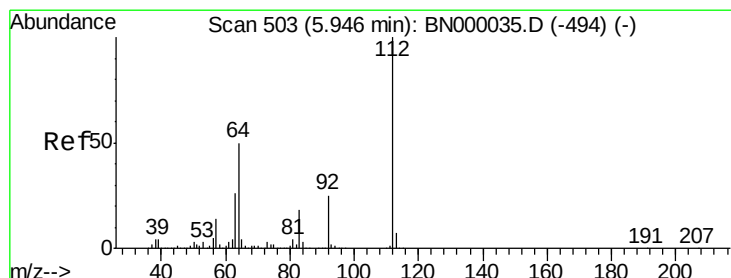
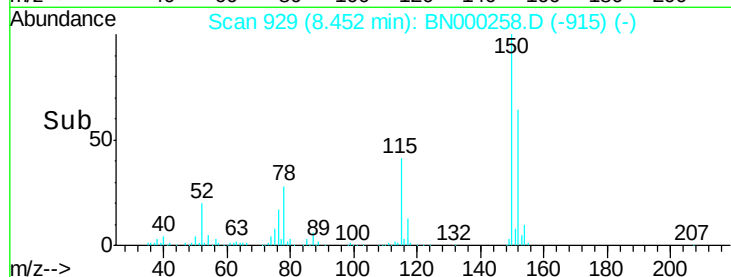
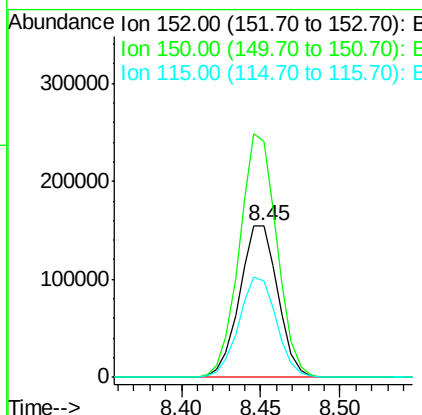
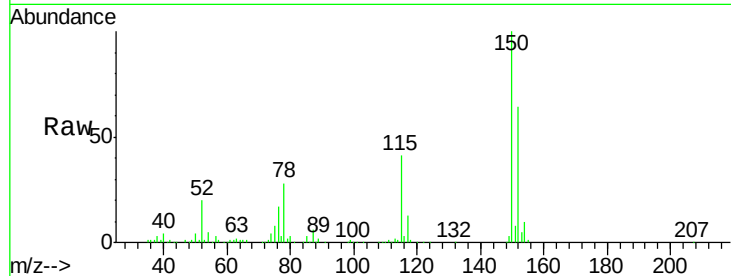
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.45 min Scan# 929  
Delta R.T. -0.02 min  
Lab File: BN000258.D  
Acq: 06 Mar 2018 11:57

Instrument :  
BNA\_N  
ClientSampled :  
B1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.1 | 126.6 | 189.8 |
| 115     | 64.0  | 53.0  | 79.4  |

Manual Integrations  
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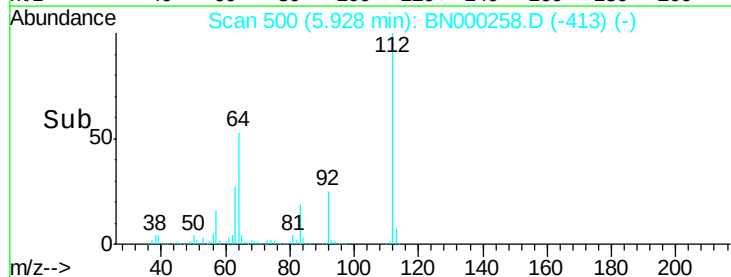
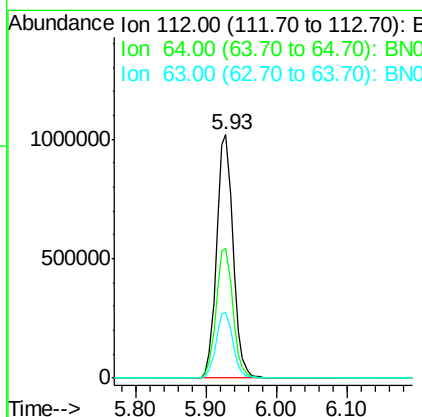
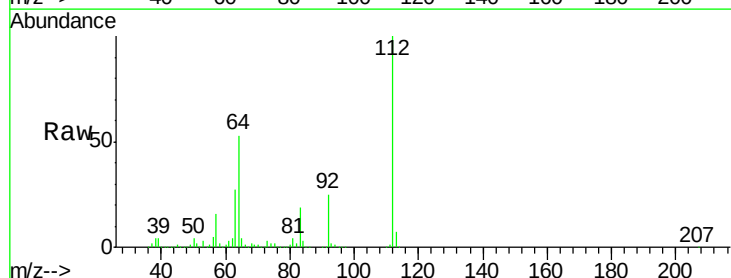
Sohil  
3/7/2018 12:09:13 PM

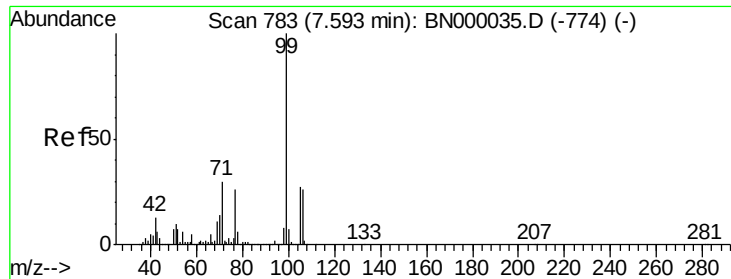


#5

2-Fluorophenol  
Concen: 103.920 ng  
RT: 5.93 min Scan# 500  
Delta R.T. -0.02 min  
Lab File: BN000258.D  
Acq: 06 Mar 2018 11:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.3  | 56.3  | 84.5# |
| 63      | 26.8  | 30.1  | 45.1# |





#7

Phenol-d6

Concen: 101.612 ng

RT: 7.58 min Scan# 780

Delta R.T. -0.02 min

Lab File: BN000258.D

Acq: 06 Mar 2018 11:57

Instrument :

BNA\_N

ClientSampled :

B1

Tot Ion: 99 Resp: 2444993

Ion Ratio Lower Upper

99 100

42 13.4 14.1 21.1#

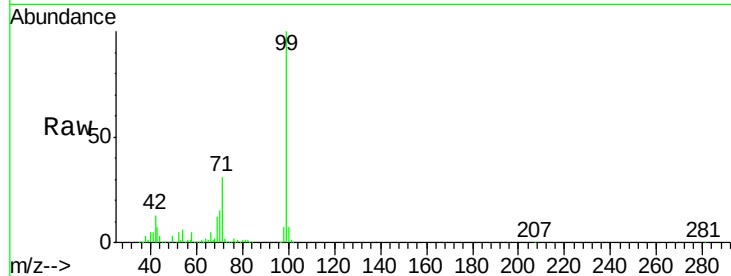
71 31.2 26.1 39.1

Manual Integrations

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Sohil

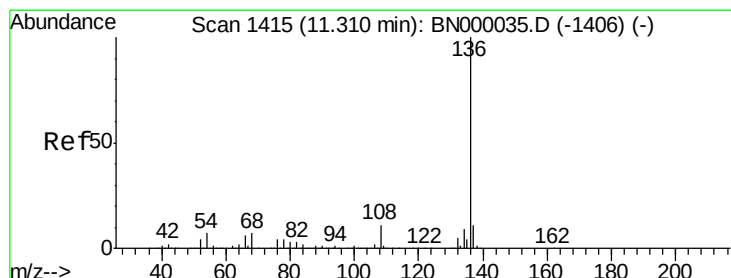
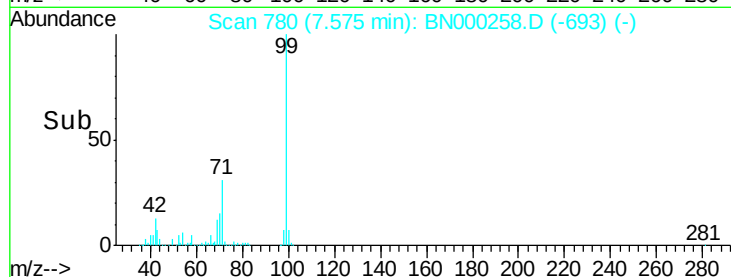
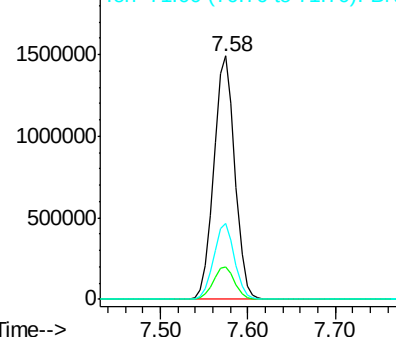
3/7/2018 12:09:13 PM



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: BN000258.D

Acq: 06 Mar 2018 11:57

Tgt Ion: 136 Resp: 1248883

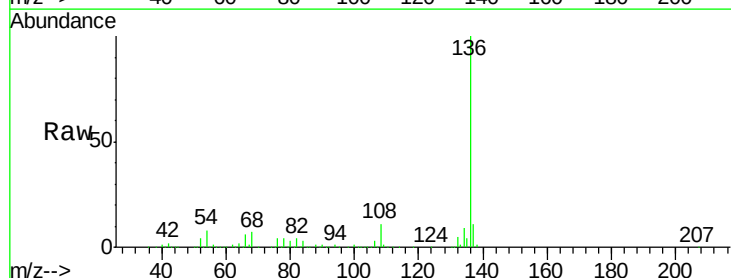
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 7.8 10.3 15.5#

68 7.0 4.5 6.7#

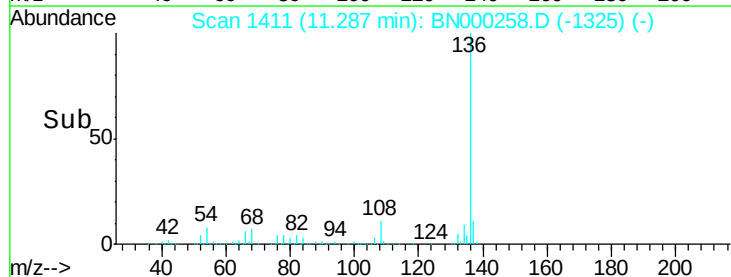
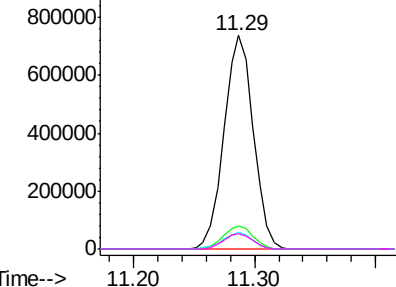


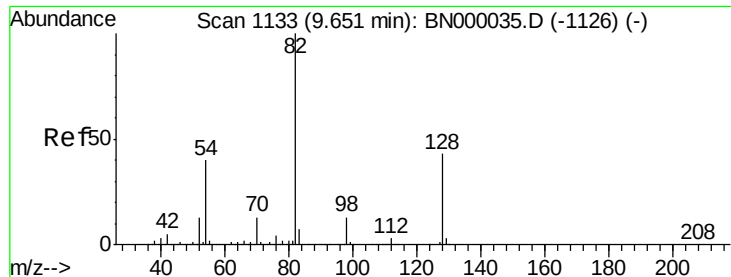
Abundance Ion 136.00 (135.70 to 136.70): BN000035.D (-1406) (-)

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: 66.192 ng

RT: 9.63 min Scan# 1129

Delta R.T. -0.02 min

Lab File: BN000258.D

Acq: 06 Mar 2018 11:57

Instrument :

BNA\_N

ClientSampled :

B1

Tot Ion: 82 Resp: 1390373

Ion Ratio Lower Upper

82 100

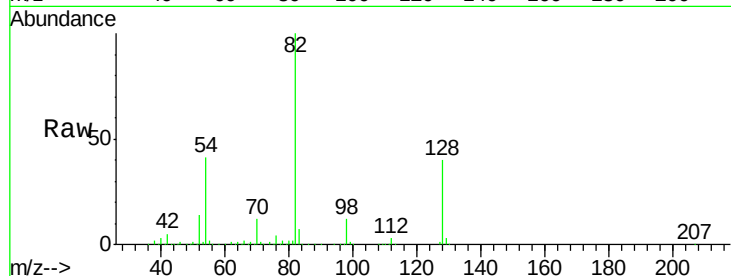
128 40.3 29.7 44.5

54 41.0 43.1 64.7#

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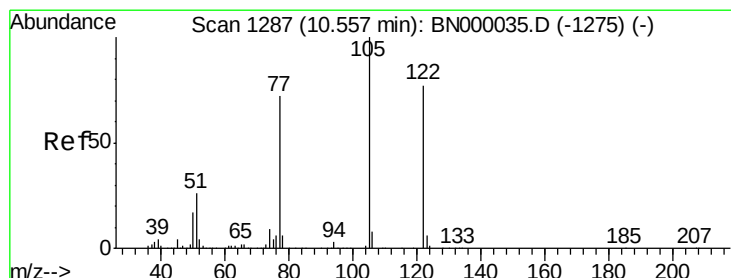
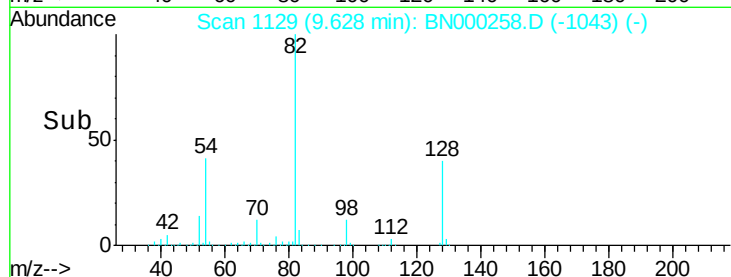
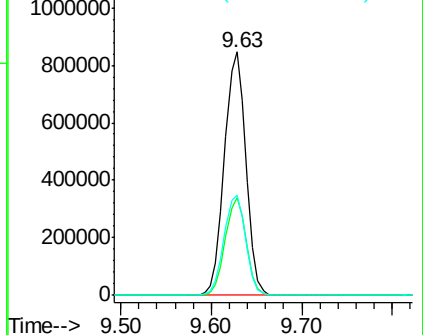
3/7/2018 12:09:13 PM



Abundance Ion 82.00 (81.70 to 82.70): BN000035.D (-1126) (-)

Ion 128.00 (127.70 to 128.70): BN000035.D (-1126) (-)

Ion 54.00 (53.70 to 54.70): BN000035.D (-1126) (-)



#32

Benzoic acid

Concen: 11.071 ng m

RT: 10.46 min Scan# 1271

Delta R.T. -0.09 min

Lab File: BN000258.D

Acq: 06 Mar 2018 11:57

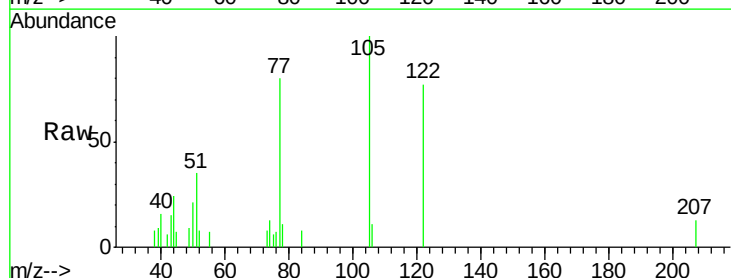
Tgt Ion: 122 Resp: 9468

Ion Ratio Lower Upper

122 100

105 130.4 123.5 163.5

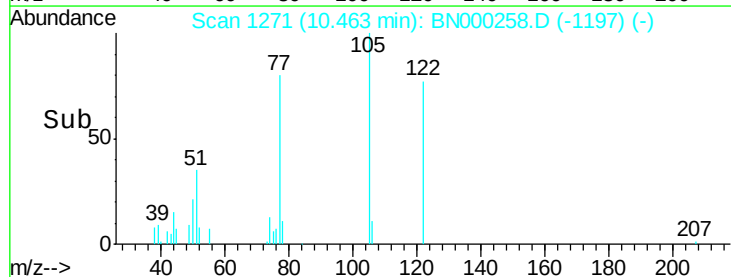
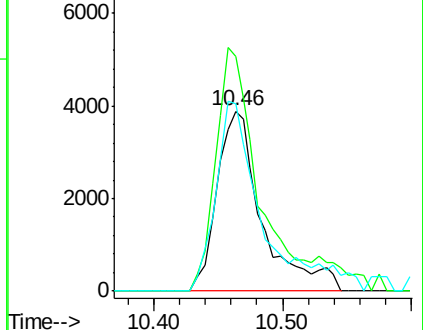
77 103.9 85.7 125.7

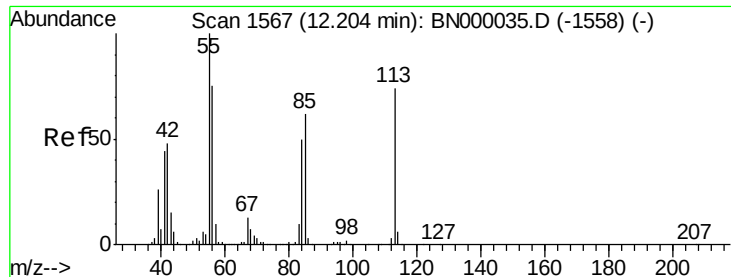


Abundance Ion 122.00 (121.70 to 122.70): BN000035.D (-1275) (-)

Ion 105.00 (104.70 to 105.70): BN000035.D (-1275) (-)

Ion 77.00 (76.70 to 77.70): BN000035.D (-1275) (-)





#35

Caprolactam

Concen: 4.357 ng

RT: 12.15 min Scan# 1558

Delta R.T. -0.05 min

Lab File: BN000258.D

Acq: 06 Mar 2018 11:57

Instrument :

BNA\_N

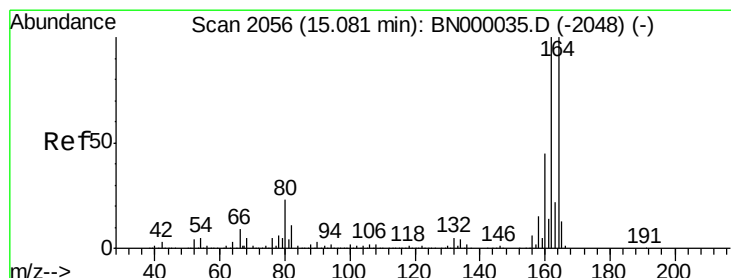
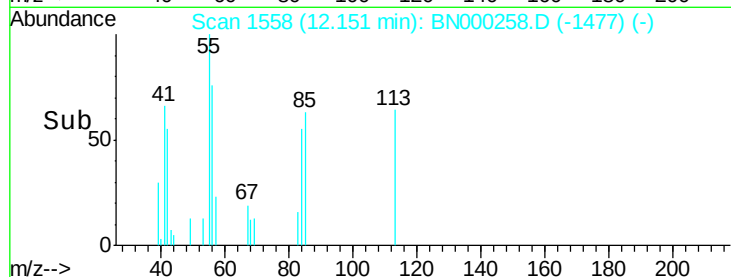
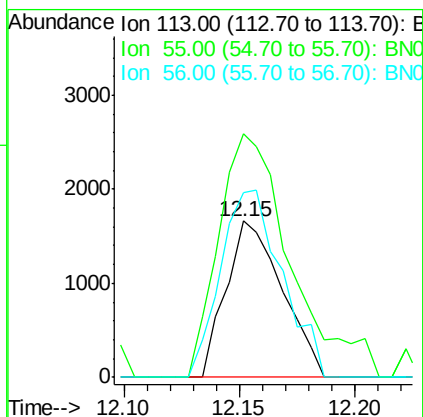
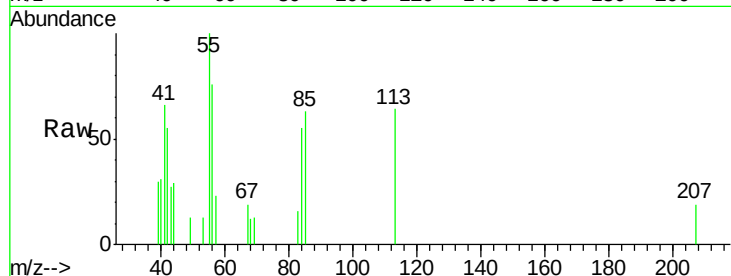
ClientSampleId :

B1

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 2812  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 55       | 156.0 | 120.0 | 160.0 |
| 56       | 118.6 | 90.0  | 130.0 |

Manual Integrations  
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#38

Acenaphthene-d10

Concen: 20.000 ng

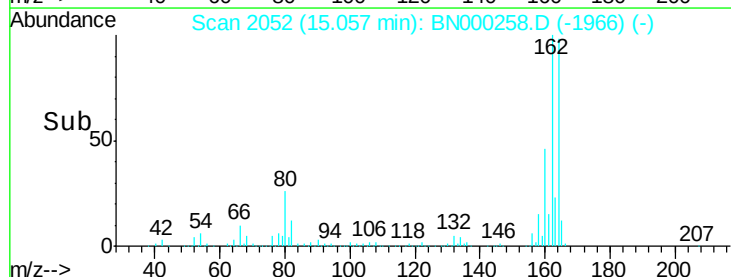
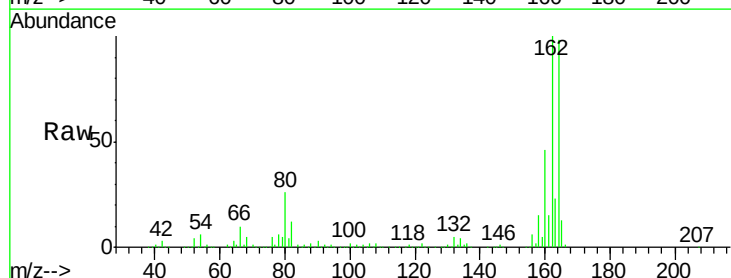
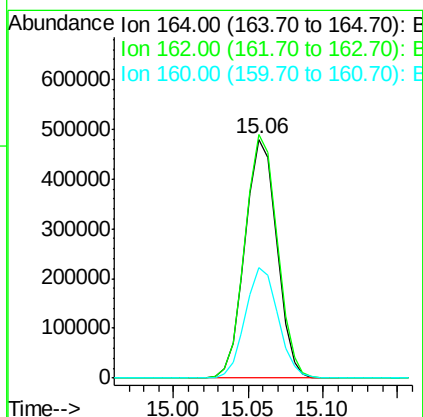
RT: 15.06 min Scan# 2052

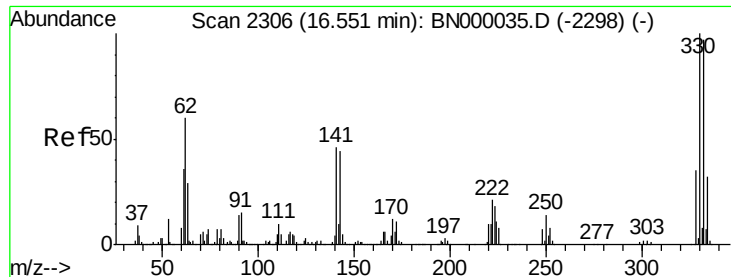
Delta R.T. -0.02 min

Lab File: BN000258.D

Acq: 06 Mar 2018 11:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 708705 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 101.9 | 78.8  | 118.2  |
| 160      | 46.4  | 35.4  | 53.0   |





#41

2,4,6-Tribromophenol

Concen: 94.929 ng

RT: 16.53 min Scan# 2302

Delta R.T. -0.02 min

Lab File: BN000258.D

Acq: 06 Mar 2018 11:57

Instrument :

BNA\_N

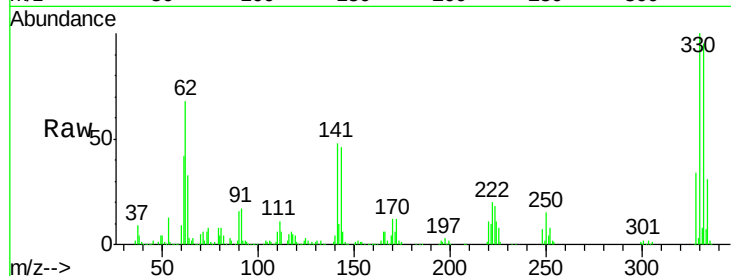
ClientSampled :

B1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 77.0  | 115.6 |
| 141     | 47.8  | 25.2  | 37.8  |

Manual Integrations  
APPROVED

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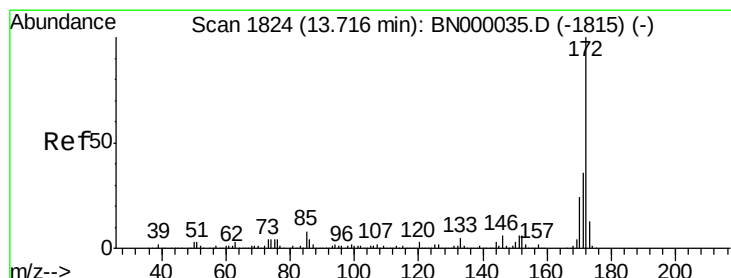
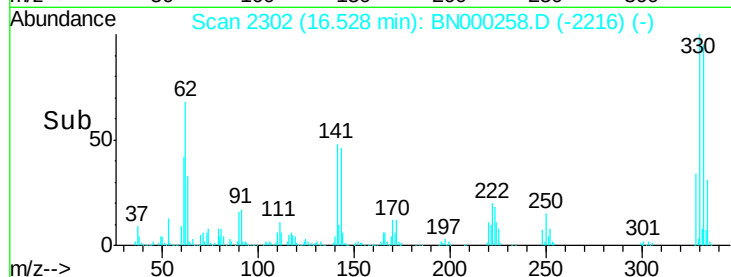
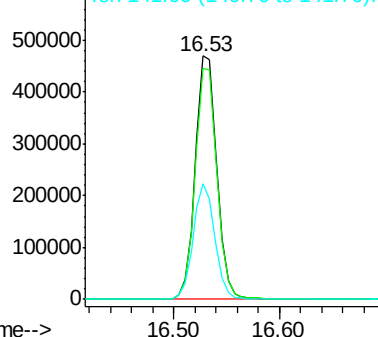


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 59.554 ng

RT: 13.69 min Scan# 1819

Delta R.T. -0.03 min

Lab File: BN000258.D

Acq: 06 Mar 2018 11:57

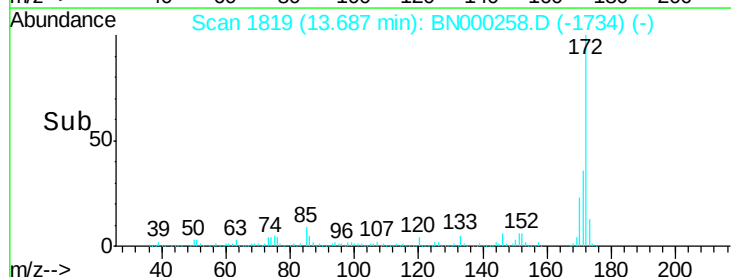
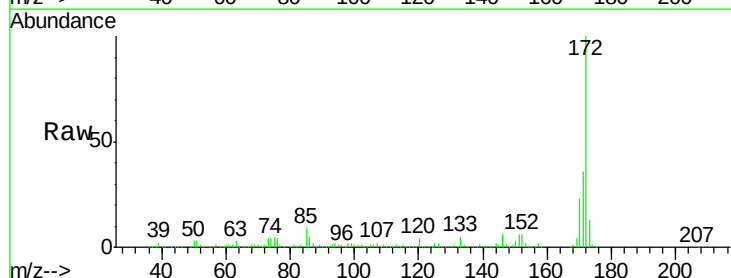
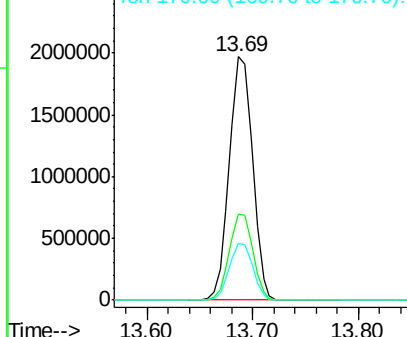
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 30.0  | 45.0  |
| 170     | 23.4  | 19.5  | 29.3  |

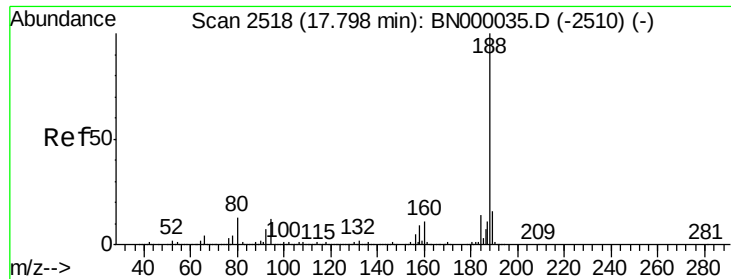
Abundance

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





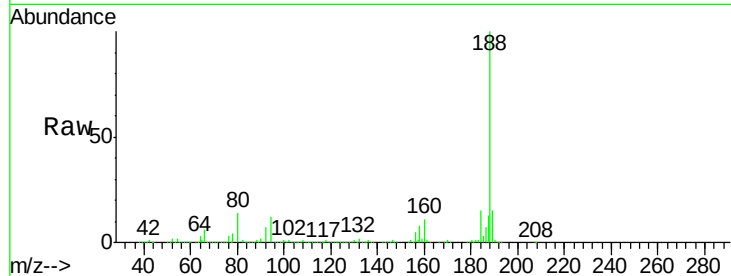
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.78 min Scan# 2515  
Delta R.T. -0.02 min  
Lab File: BN000258.D  
Acq: 06 Mar 2018 11:57

Instrument :  
BNA\_N  
ClientSampled :  
B1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.3  | 6.9   | 10.3# |
| 80      | 13.5  | 7.7   | 11.5# |

Manual Integrations  
APPROVED

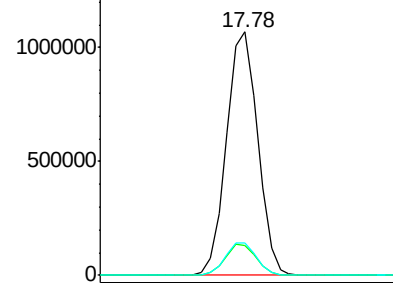
Sohil  
3/7/2018 12:09:13 PM



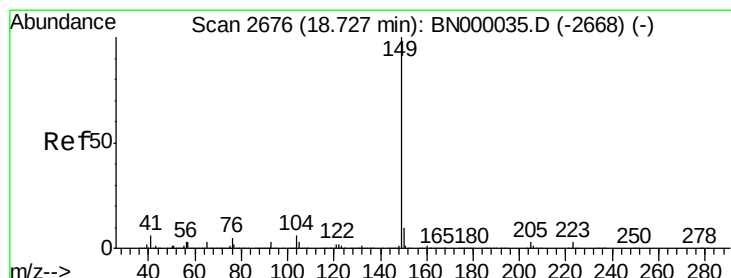
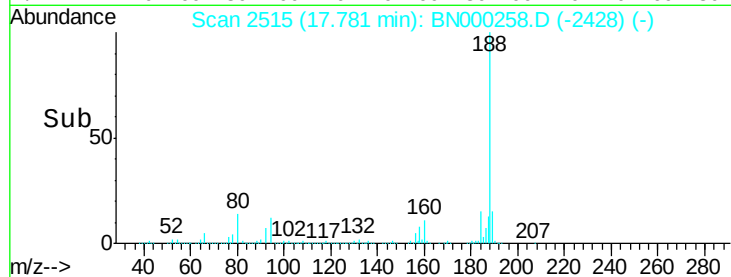
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

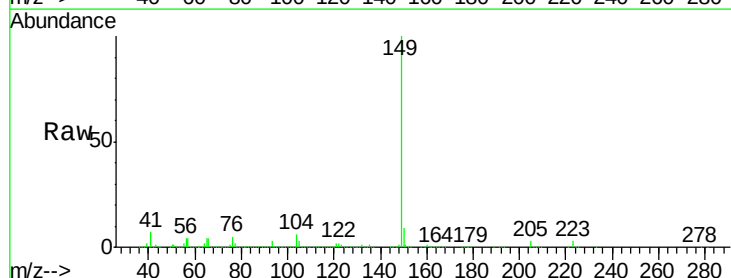


Time-->



#73  
Di-n-butylphthalate  
Concen: 11.577 ng  
RT: 18.70 min Scan# 2671  
Delta R.T. -0.03 min  
Lab File: BN000258.D  
Acq: 06 Mar 2018 11:57

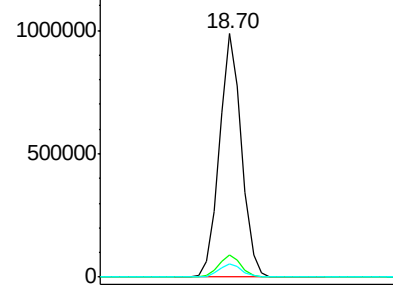
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 8.9   | 7.8   | 11.6  |
| 104     | 5.6   | 3.9   | 5.9   |



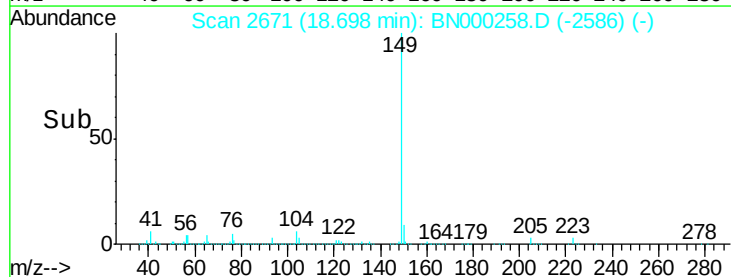
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

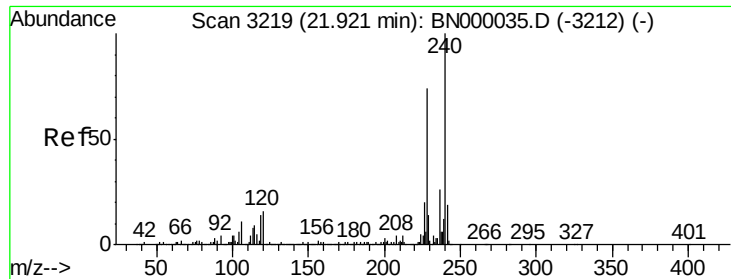
Ion 104.00 (103.70 to 104.70): E



Time-->







#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.89 min Scan# 3214

Delta R.T. -0.03 min

Lab File: BN000258.D

Acq: 06 Mar 2018 11:57

Instrument :

BNA\_N

ClientSampleId :

B1

Tot Ion:240 Resp: 1550230

Ion Ratio Lower Upper

240 100

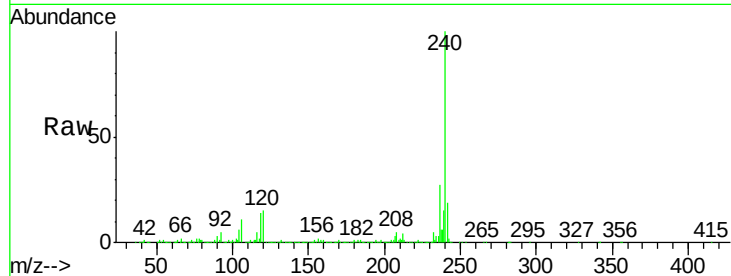
120 15.4 6.8 10.2#

236 26.8 20.9 31.3

Manual Integrations  
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Sohil

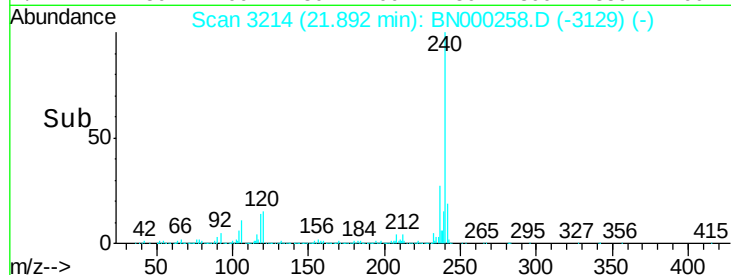
3/7/2018 12:09:13 PM



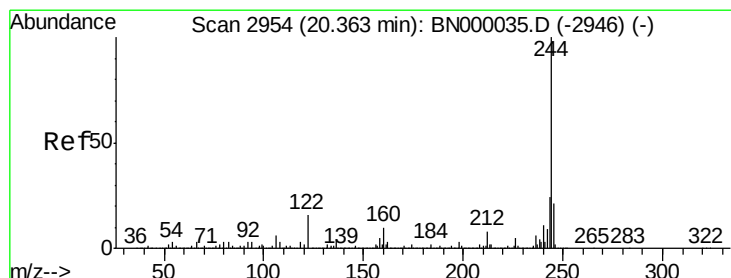
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 70.035 ng

RT: 20.34 min Scan# 2950

Delta R.T. -0.02 min

Lab File: BN000258.D

Acq: 06 Mar 2018 11:57

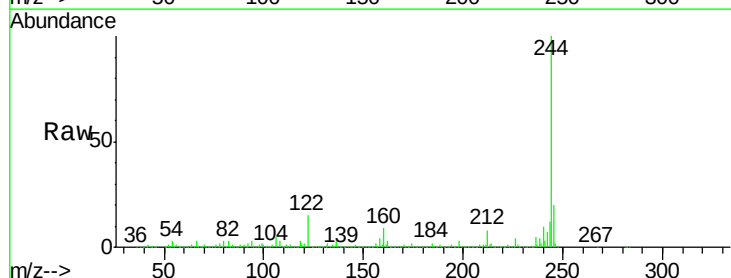
Tgt Ion:244 Resp: 4020910

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

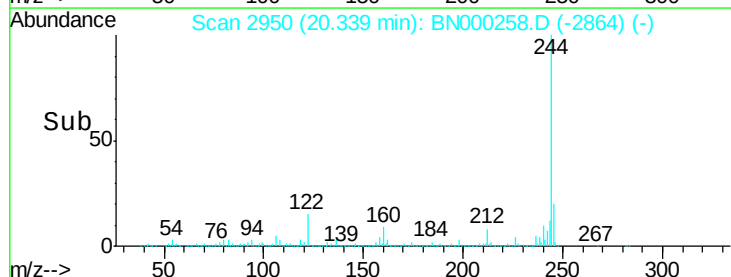
122 15.3 7.0 10.4#



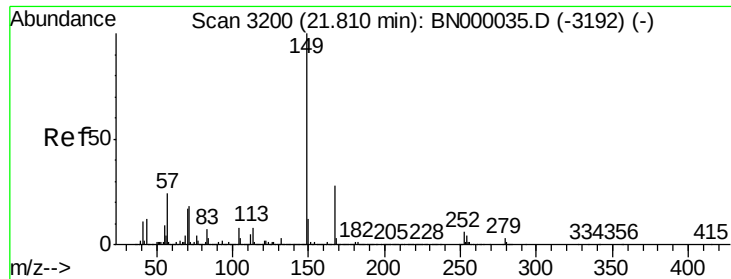
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



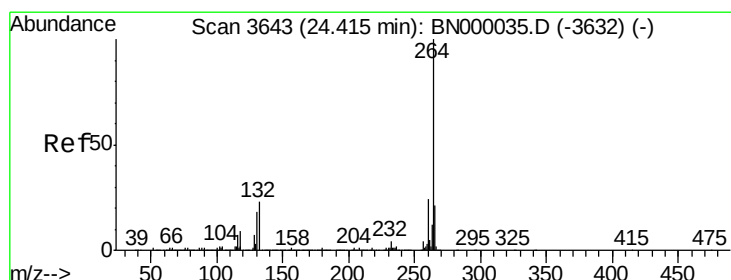
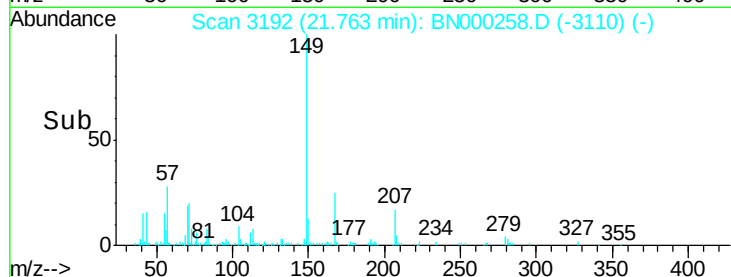
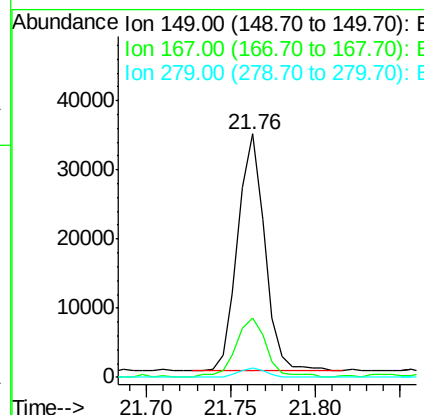
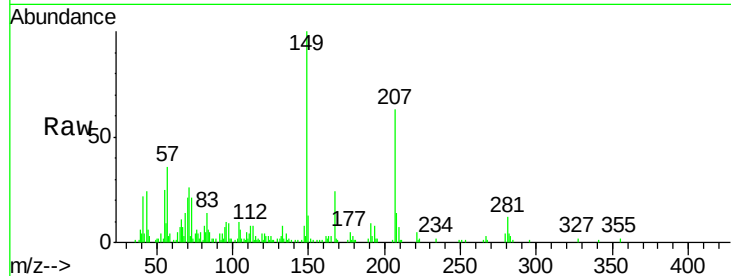
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.417 ng  
 RT: 21.76 min Scan# 3192  
 Delta R.T. -0.05 min  
 Lab File: BN000258.D  
 Acq: 06 Mar 2018 11:57

Instrument :  
 BNA\_N  
 ClientSampleId :  
 B1

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 149     | 100   | 37960 |       |       |
| 167     | 24.4  |       | 24.3  | 36.5  |
| 279     | 3.7   |       | 4.0   | 6.0   |

Manual Integrations  
 APPROVED

Sohil  
 3/7/2018 12:09:13 PM



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.37 min Scan# 3635  
 Delta R.T. -0.05 min  
 Lab File: BN000258.D  
 Acq: 06 Mar 2018 11:57

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 264     | 100   | 1636993 |       |       |
| 260     | 23.9  |         | 17.4  | 26.0  |
| 265     | 21.9  |         | 17.7  | 26.5  |

