

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022119\  
 Data File : BN004463.D  
 Acq On : 21 Feb 2019 10:26  
 Operator : JU/SJ  
 Sample : J5704-14  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A40E4

Manual Integrations  
 APPROVED

Sohil  
 2/22/2019 4:10:28 PM

Quant Time: Feb 21 12:46:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Feb 14 07:13:45 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response  | Conc       | Units | Dev(Min) |
|--------------------------------|-------|------|-----------|------------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.75  | 152  | 35688     | 20.00      | ng/ul | 0.00     |
| 18) Naphthalene-d8             | 10.53 | 136  | 170976    | 20.00      | ng/ul | 0.00     |
| 36) Acenaphthene-d10           | 14.38 | 164  | 100215    | 20.00      | ng/ul | 0.00     |
| 62) Phenanthrene-d10           | 17.19 | 188  | 274656m   | 20.00      | ng/ul | 0.05     |
| 78) Chrysene-d12               | 21.33 | 240  | 2769m     | 20.00      | ng/ul | 0.00     |
| 86) Perylene-d12               | 23.64 | 264  | 303450m   | 20.00      | ng/ul | 0.05     |
| System Monitoring Compounds    |       |      |           |            |       |          |
| 3) 1,4-Dioxane-d8              | 3.25  | 96   | 1119      | 1.89       | ng/uL | 0.00     |
| 5) Phenol-d5                   | 6.90  | 99   | 56166     | 17.66      | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67   | 26350     | 16.51      | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.28  | 132  | 50073     | 19.41      | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.43  | 113  | 49517     | 18.11      | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 8.90  | 128  | 24134     | 21.32      | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.62  | 143  | 27601     | 23.36      | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165  | 55413     | 20.69      | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.67 | 131  | 47894     | 16.17      | ng/ul | 0.00     |
| 44) Dimethylphthalate-d6       | 13.79 | 166  | 151667    | 17.85      | ng/ul | 0.00     |
| 47) Acenaphthylene-d8          | 14.07 | 160  | 204785    | 20.34      | ng/ul | 0.00     |
| 52) 4-Nitrophenol-d4           | 14.60 | 143  | 157m      | 0.10       | ng/ul | 0.02     |
| 58) Fluorene-d10               | 15.39 | 176  | 178663    | 23.88      | ng/ul | 0.01     |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 200  | 936       | 0.58       | ng/ul | 0.02     |
| 71) Anthracene-d10             | 17.25 | 188  | 45334m    | 3.44       | ng/ul | 0.02     |
| 79) Pyrene-d10                 | 19.56 | 212  | 317893m   | 2561.40    | ng/ul | 0.03     |
| 90) Benzo(a)pyrene-d12         | 23.51 | 264  | 318838    | 20.02      | ng/ul | 0.05     |
| Target Compounds               |       |      |           |            |       |          |
| 6) Phenol                      | 6.93  | 94   | 15746     | 4.958      | ng/ul | 98       |
| 28) Naphthalene                | 10.58 | 128  | 15141     | 1.718      | ng/ul | 98       |
| 41) 1,1'-Biphenyl              | 13.22 | 154  | 617194    | 76.221     | ng/ul | 98       |
| 45) Dimethylphthalate          | 13.84 | 163  | 42781m    | 5.092      | ng/ul |          |
| 59) Fluorene                   | 15.46 | 166  | 1044138m  | 129.335    | ng/ul |          |
| 84) Bis(2-ethylhexyl)phthalate | 21.25 | 149  | 24301838m | 308128.816 | ng/ul |          |

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

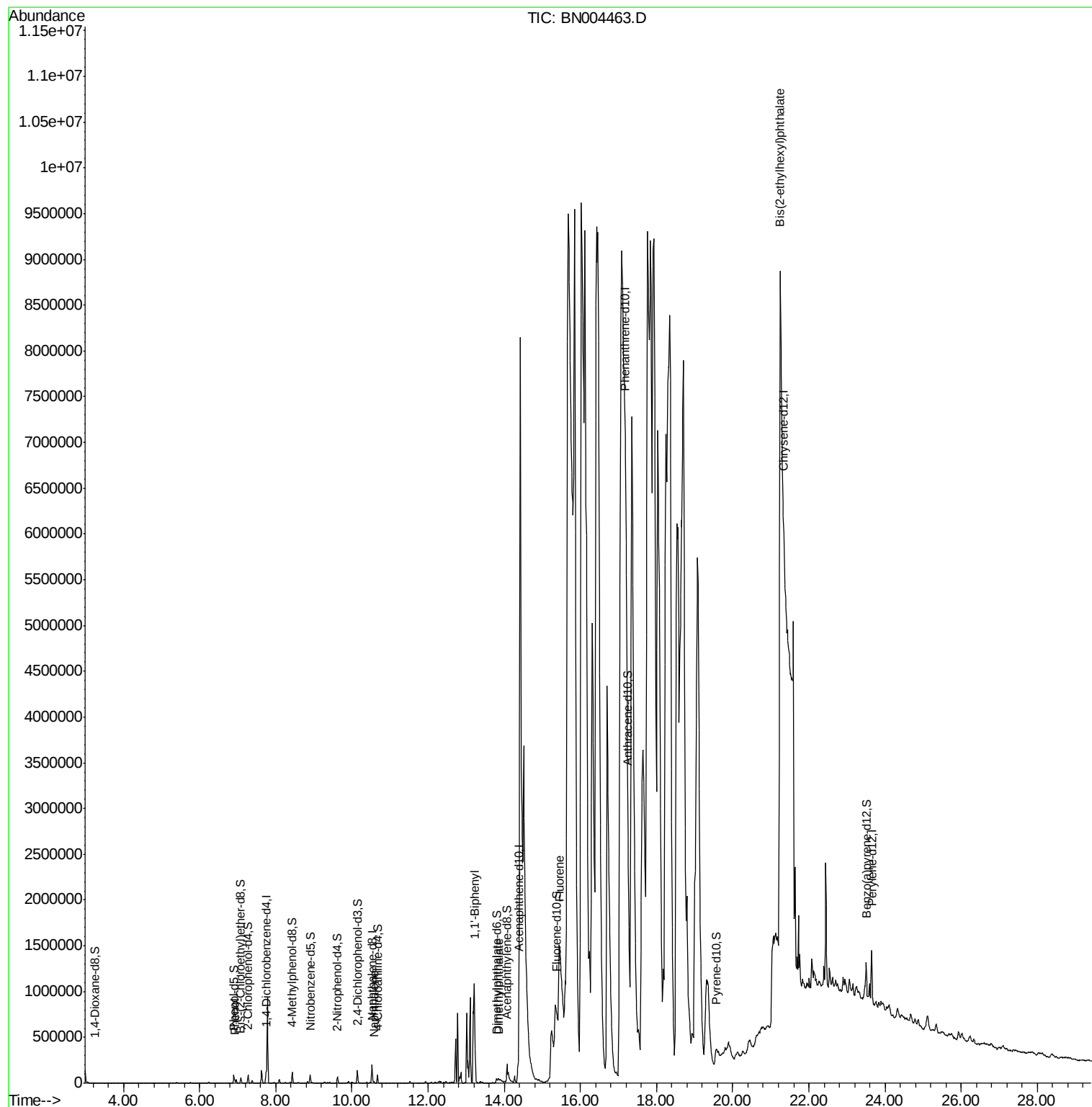
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN022119\  
Data File : BN004463.D  
Acq On : 21 Feb 2019 10:26  
Operator : JU/SJ  
Sample : J5704-14  
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ALS Vial : 4 Sample Multiplier: 1

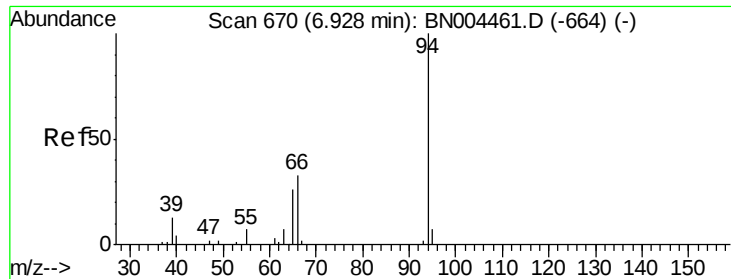
Instrument :  
BNA\_N  
ClientSampleId :  
A40E4

Quant Time: Feb 21 12:46:39 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Feb 14 07:13:45 2019  
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#6

Phenol

Concen: 4.958 ng/ul

RT: 6.93 min Scan# 670

Delta R.T. -0.01 min

Lab File: BN004463.D

Acq: 21 Feb 2019 10:26

Instrument :

BNA\_N

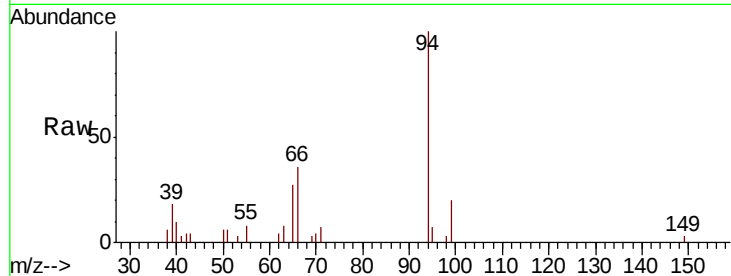
ClientSampled :

A40E4

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 15746 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 27.2  | 20.2  | 30.4  |
| 66       | 36.0  | 28.2  | 42.2  |

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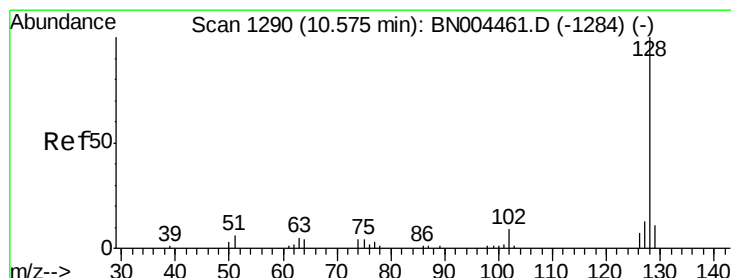
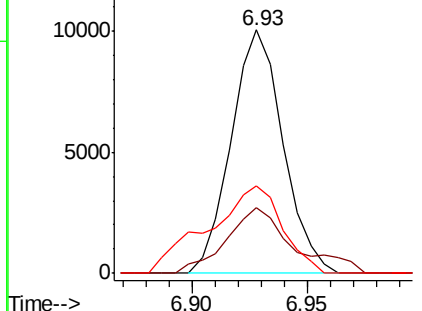
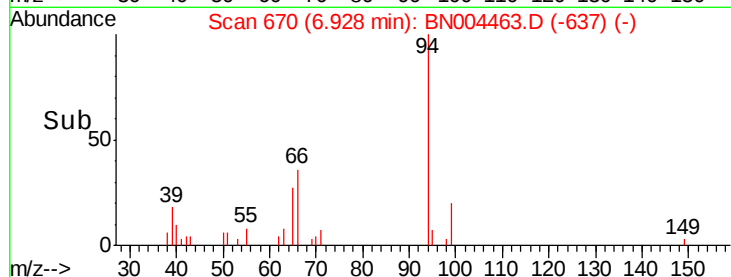


Abundance Ion 94.00 (93.70 to 94.70): BN004461.D (-664) (-)

Ion 65.00 (64.70 to 65.70): BN004461.D (-664) (-)

Ion 66.00 (65.70 to 66.70): BN004461.D (-664) (-)

Time-->



#28

Naphthalene

Concen: 1.718 ng/ul

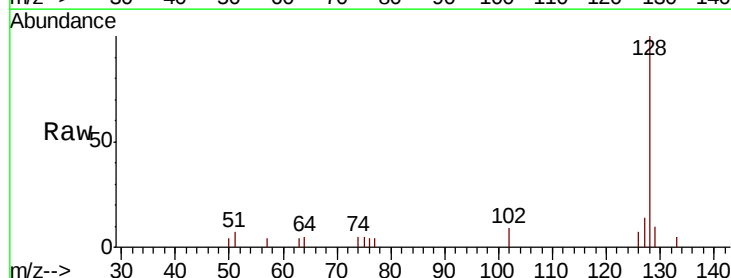
RT: 10.58 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BN004463.D

Acq: 21 Feb 2019 10:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 15141 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 10.1  | 8.7   | 13.1  |
| 127      | 13.6  | 10.2  | 15.4  |

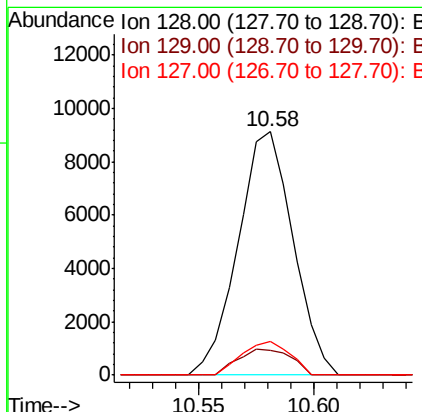
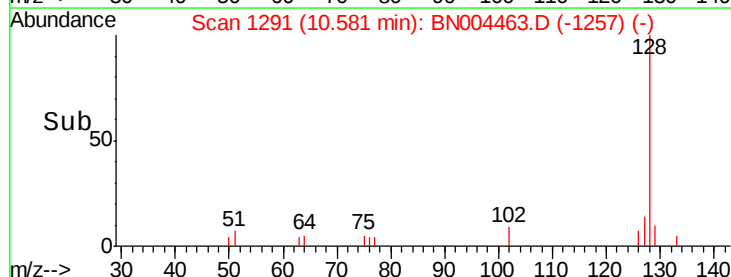


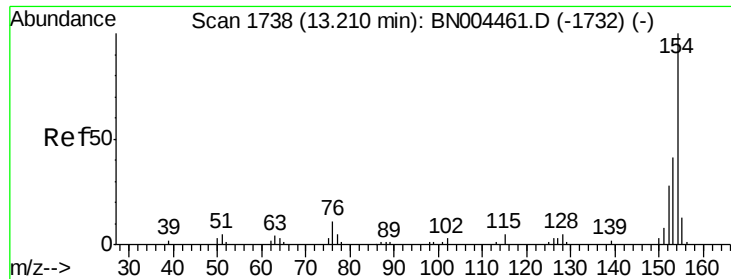
Abundance Ion 128.00 (127.70 to 128.70): BN004461.D (-1284) (-)

Ion 129.00 (128.70 to 129.70): BN004461.D (-1284) (-)

Ion 127.00 (126.70 to 127.70): BN004461.D (-1284) (-)

Time-->





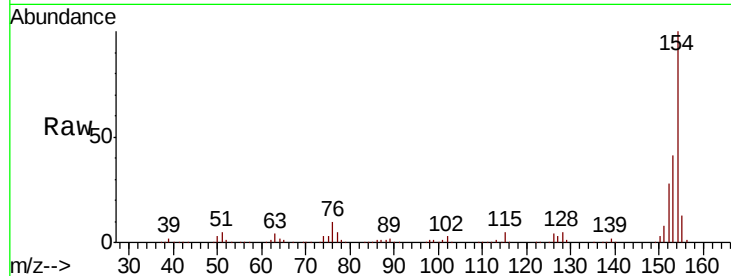
#41  
 1,1'-Biphenyl  
 Concen: 76.221 ng/ul  
 RT: 13.22 min Scan# 1739  
 Delta R.T. -0.00 min  
 Lab File: BN004463.D  
 Acq: 21 Feb 2019 10:26

Instrument :  
 BNA\_N  
 ClientSampled :  
 A40E4

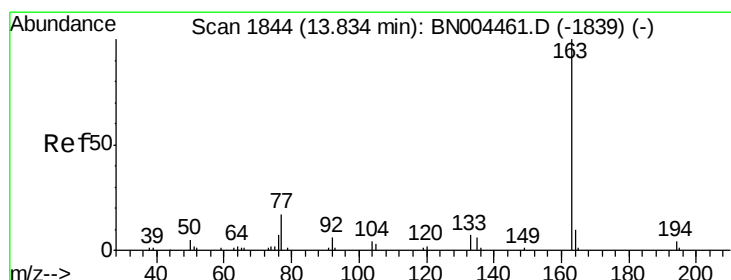
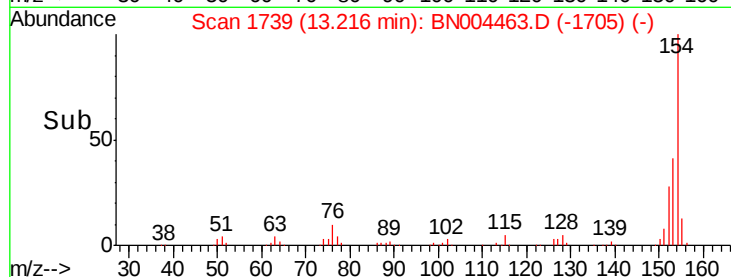
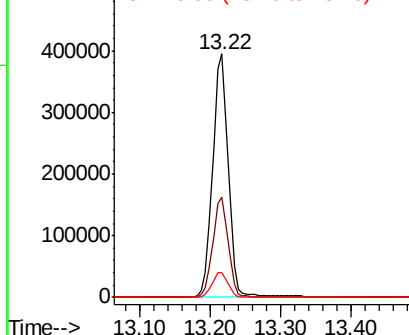
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.4  | 32.6  | 48.8  |
| 76      | 10.3  | 9.2   | 13.8  |

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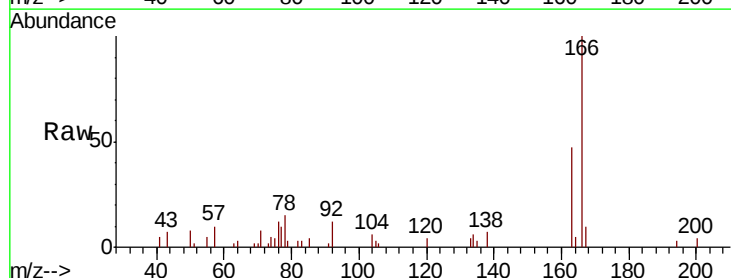


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BNC

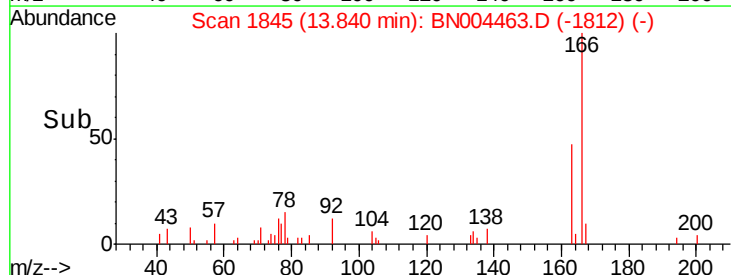
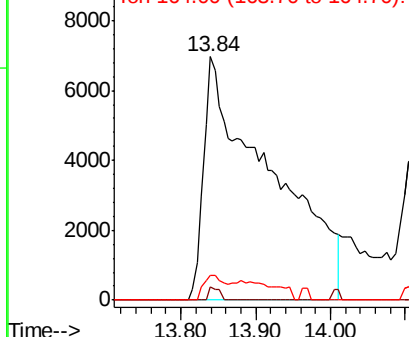


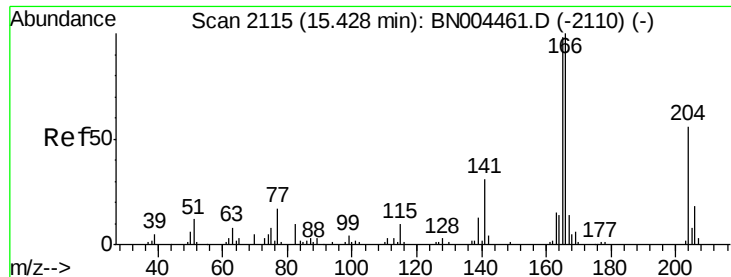
#45  
 Dimethylphthalate  
 Concen: 5.092 ng/ul m  
 RT: 13.84 min Scan# 1845  
 Delta R.T. -0.01 min  
 Lab File: BN004463.D  
 Acq: 21 Feb 2019 10:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.4   | 3.4   | 5.2#  |
| 164     | 10.4  | 7.9   | 11.9  |



Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E





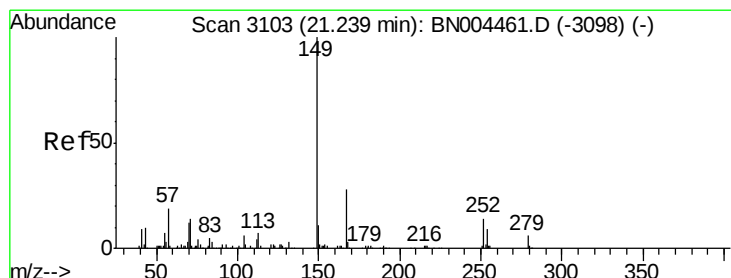
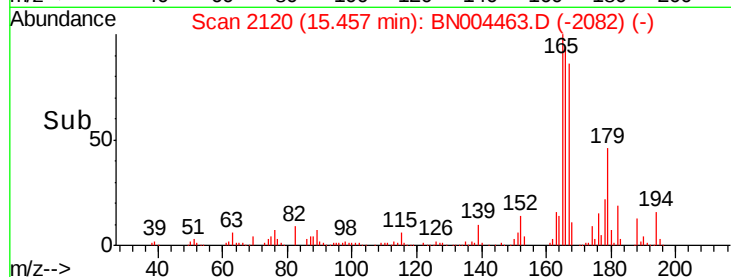
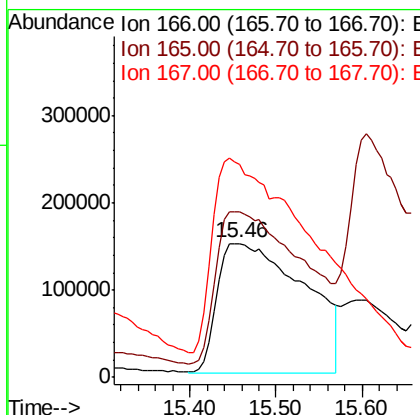
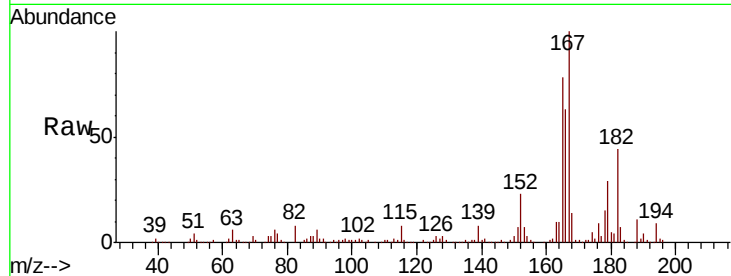
#59  
**Fluorene**  
 Concen: 129.335 ng/ul m  
 RT: 15.46 min Scan# 2120  
 Delta R.T. 0.02 min  
 Lab File: BN004463.D  
 Acq: 21 Feb 2019 10:26

Instrument :  
 BNA\_N  
 ClientSampled :  
 A40E4

Tot Ion:166 Resp: 1044138  
 Ion Ratio Lower Upper  
 166 100  
 165 124.3 78.0 117.0#  
 167 159.0 10.8 16.2#

Manual Integrations  
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#84  
**Bis(2-ethylhexyl)phthalate**  
 Concen: 308128.816 ng/ul m  
 RT: 21.25 min Scan# 3104  
 Delta R.T. 0.01 min  
 Lab File: BN004463.D  
 Acq: 21 Feb 2019 10:26

Tgt Ion:149 Resp:24301838  
 Ion Ratio Lower Upper  
 149 100  
 167 31.9 22.7 34.1  
 279 7.9 4.3 6.5#

