

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092823\  
 Data File : BN027929.D  
 Acq On : 28 Sep 2023 17:04  
 Operator : MA/JU  
 Sample : 04480-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BBJZ4

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/29/2023  
 Supervised By :mohammad ahmed 09/30/2023

Quant Time: Sep 28 18:23:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 27 03:52:19 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.962  | 152  | 3875     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.779 | 136  | 13260    | 0.400  | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.601 | 164  | 9073m    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.354 | 188  | 18891    | 0.400  | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.542 | 240  | 17094    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.015 | 264  | 16539    | 0.400  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.330  | 96   | 27684    | 5.672  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.363 | 152  | 9606     | 0.478  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.380 | 212  | 25358    | 0.486  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          | Qvalue |        |          |
| 2) 1,4-Dioxane              | 3.372  | 88   | 874      | 0.172  | ng/ul# | 52       |
| 5) Naphthalene              | 10.828 | 128  | 33009    | 0.871  | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.434 | 142  | 3554     | 0.148  | ng/ul  | 85       |
| 8) 1-Methylnaphthalene      | 12.654 | 142  | 2932     | 0.118  | ng/ul  | 93       |
| 11) Acenaphthene            | 14.671 | 153  | 1270     | 0.037  | ng/ul# | 60       |
| 12) Fluorene                | 15.661 | 166  | 2352     | 0.058  | ng/ul# | 43       |
| 14) Pentachlorophenol       | 16.987 | 266  | 3592     | 0.813  | ng/ul  | 98       |
| 15) Phenanthrene            | 17.396 | 178  | 2050     | 0.035  | ng/ul# | 67       |
| -----                       |        |      |          |        |        |          |

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

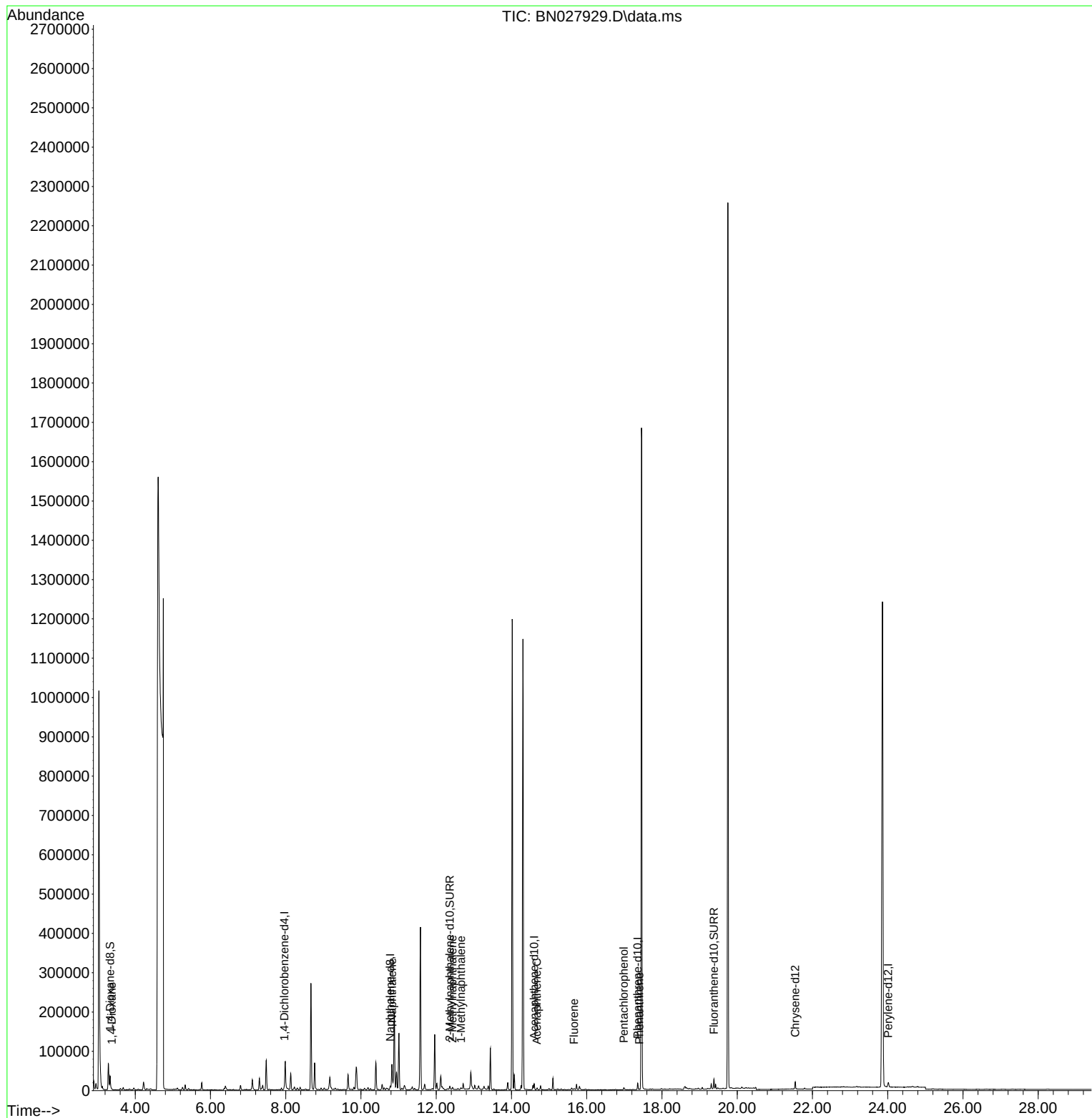
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092823\  
Data File : BN027929.D  
Acq On : 28 Sep 2023 17:04  
Operator : MA/JU  
Sample : 04480-06  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

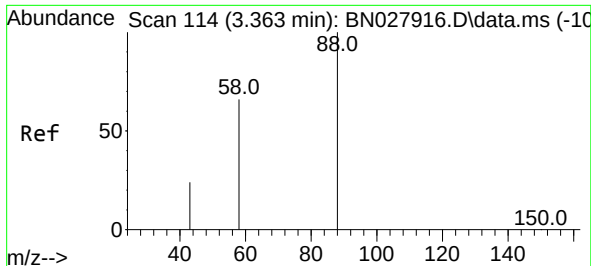
Instrument :  
BNA\_N  
ClientSampleId :  
BBJZ4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 09/30/2023

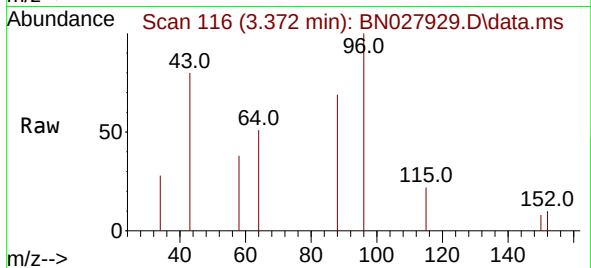
Quant Time: Sep 28 18:23:40 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 27 03:52:19 2023  
Response via : Initial Calibration





#2  
1,4-Dioxane  
Concen: 0.172 ng/ul  
RT: 3.372 min Scan# 116  
Delta R.T. 0.004 min  
Lab File: BN027929.D  
Acq: 28 Sep 2023 17:04

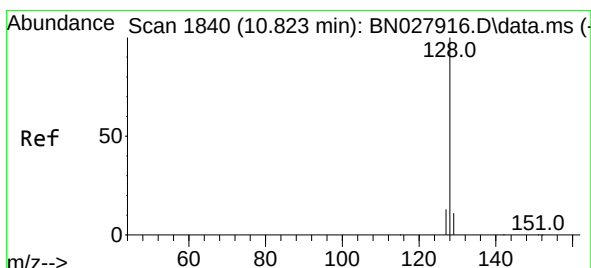
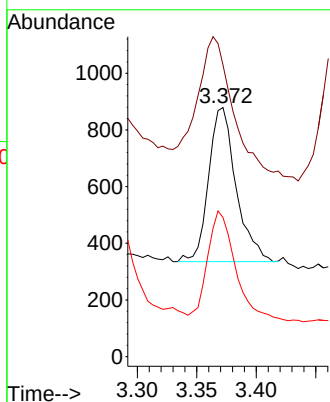
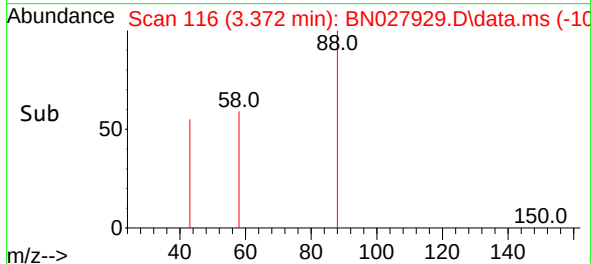
Instrument :  
BNA\_N  
ClientSampleId :  
BBJZ4



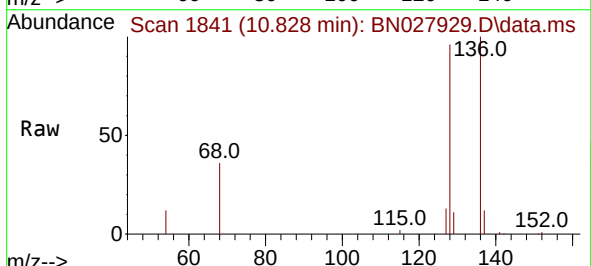
Tgt Ion: 88 Resp: 874  
Ion Ratio Lower Upper  
88 100  
43 117.1 39.6 59.4  
58 55.9 48.3 72.5

Manual Integrations  
APPROVED

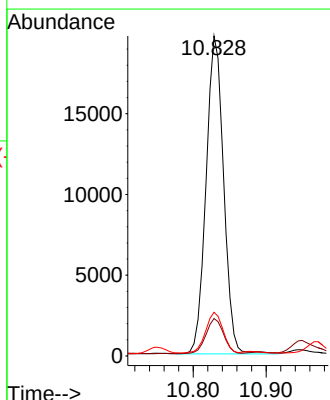
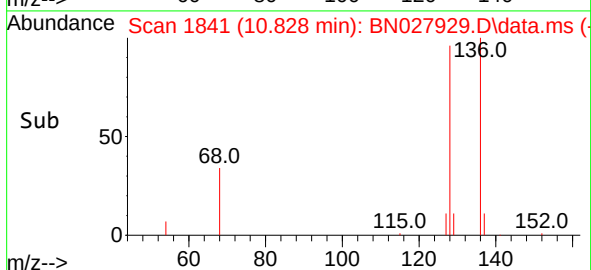
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 09/30/2023

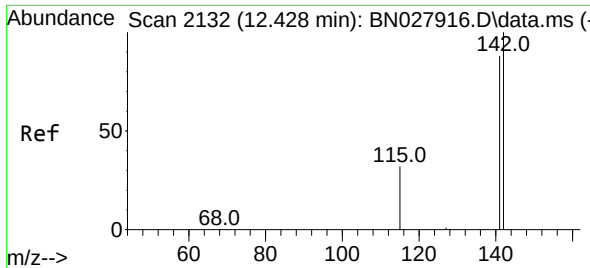


#5  
Naphthalene  
Concen: 0.871 ng/ul  
RT: 10.828 min Scan# 1841  
Delta R.T. -0.005 min  
Lab File: BN027929.D  
Acq: 28 Sep 2023 17:04



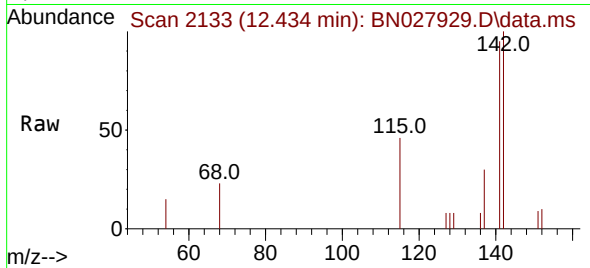
Tgt Ion:128 Resp: 33009  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.3 13.9  
127 13.6 10.7 16.1





#7  
2-Methylnaphthalene  
Concen: 0.148 ng/ul  
RT: 12.434 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: BN027929.D  
Acq: 28 Sep 2023 17:04

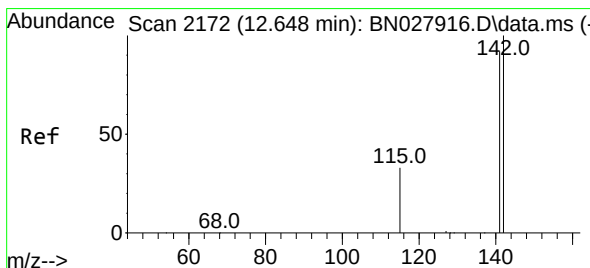
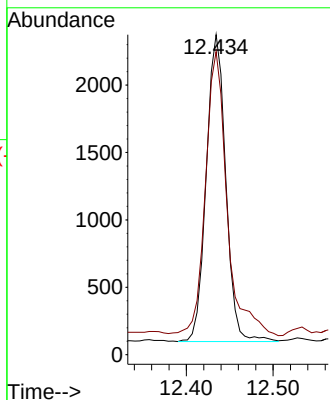
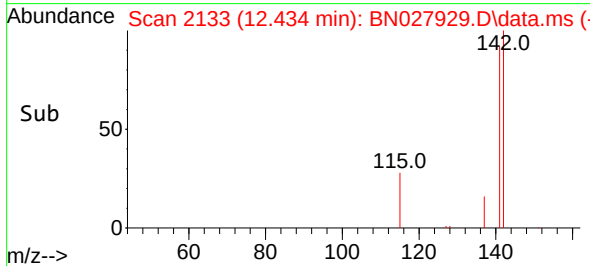
Instrument :  
BNA\_N  
ClientSampleId :  
BBJZ4



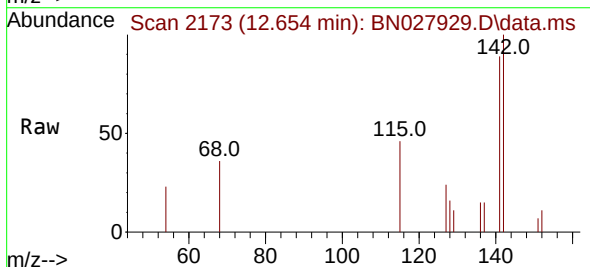
Tgt Ion:142 Resp: 3554  
Ion Ratio Lower Upper  
142 100  
141 102.7 71.1 106.7

Manual Integrations  
APPROVED

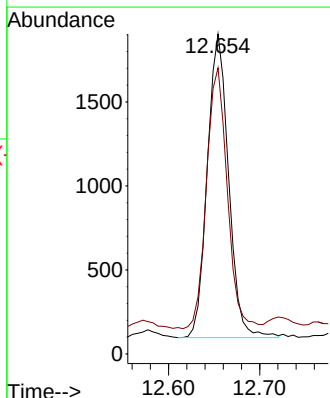
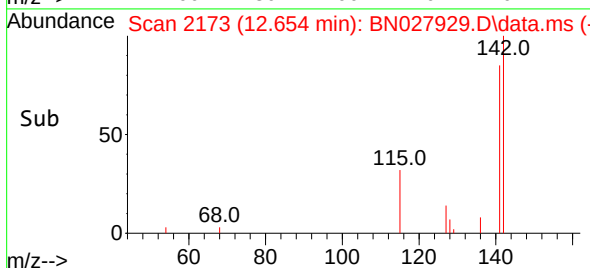
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 09/30/2023

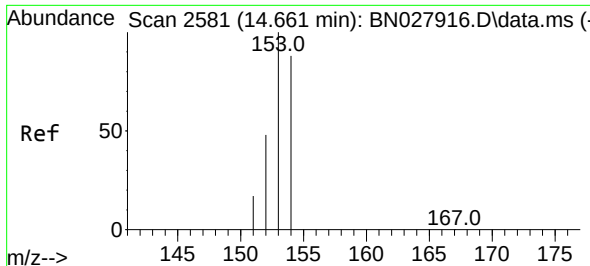


#8  
1-Methylnaphthalene  
Concen: 0.118 ng/ul  
RT: 12.654 min Scan# 2173  
Delta R.T. 0.000 min  
Lab File: BN027929.D  
Acq: 28 Sep 2023 17:04



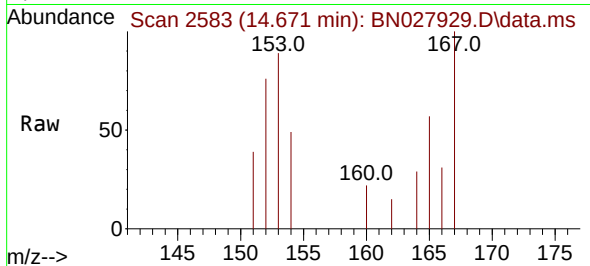
Tgt Ion:142 Resp: 2932  
Ion Ratio Lower Upper  
142 100  
141 84.0 72.8 109.2





#11  
Acenaphthene  
Concen: 0.037 ng/u1  
RT: 14.671 min Scan# 2581  
Delta R.T. 0.005 min  
Lab File: BN027929.D  
Acq: 28 Sep 2023 17:04

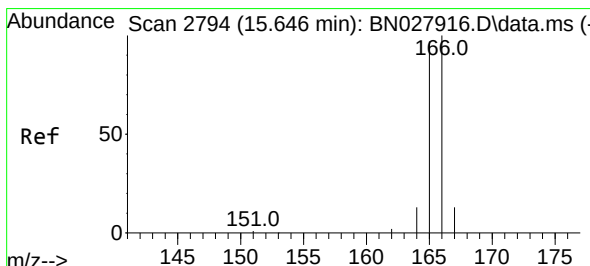
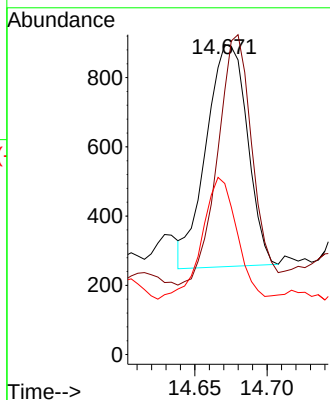
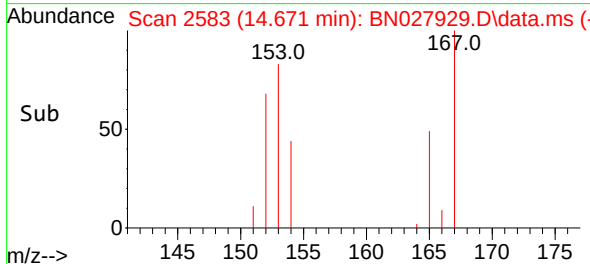
Instrument :  
BNA\_N  
ClientSampleId :  
BBJZ4



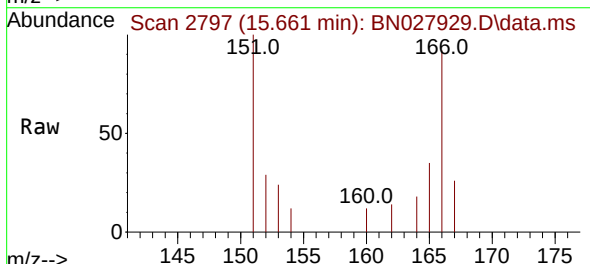
Tgt Ion:153 Resp: 1270  
Ion Ratio Lower Upper  
153 100  
152 85.0 41.7 62.5  
154 55.1 70.3 105.5

Manual Integrations  
APPROVED

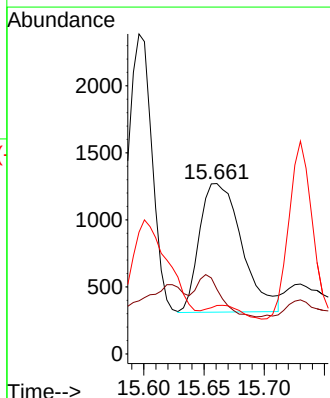
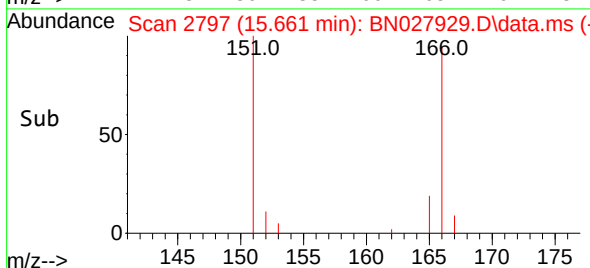
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 09/30/2023

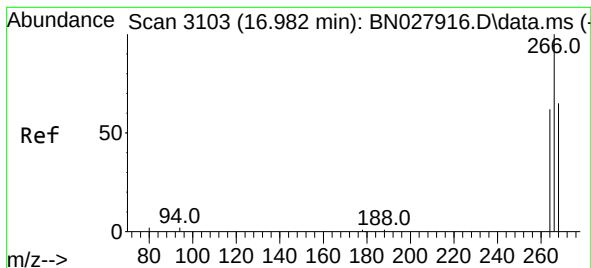


#12  
Fluorene  
Concen: 0.058 ng/u1  
RT: 15.661 min Scan# 2797  
Delta R.T. 0.009 min  
Lab File: BN027929.D  
Acq: 28 Sep 2023 17:04



Tgt Ion:166 Resp: 2352  
Ion Ratio Lower Upper  
166 100  
165 37.9 78.0 117.0#  
167 28.4 11.4 17.2#





#14

Pentachlorophenol

Concen: 0.813 ng/ul

RT: 16.987 min Scan# 3103

Delta R.T. -0.000 min

Lab File: BN027929.D

Acq: 28 Sep 2023 17:04

Instrument :

BNA\_N

ClientSampleId :

BBJZ4

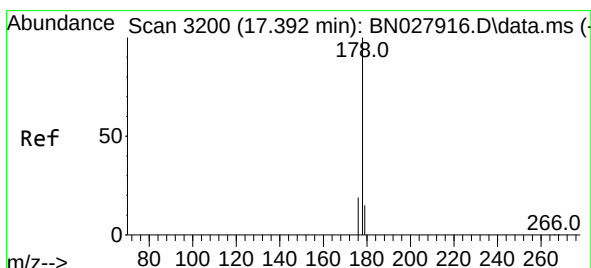
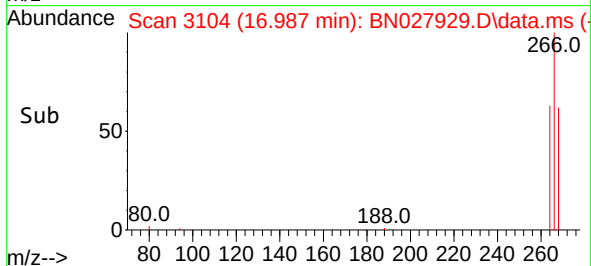
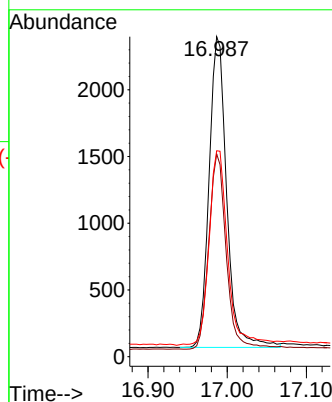
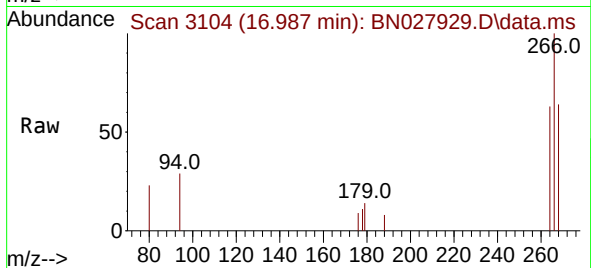
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 3592 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.6  | 49.6  | 74.4 |
| 268       | 66.5  | 50.7  | 76.1 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/29/2023

Supervised By :mohammad ahmed 09/30/2023



#15

Phenanthrene

Concen: 0.035 ng/ul

RT: 17.396 min Scan# 3201

Delta R.T. -0.000 min

Lab File: BN027929.D

Acq: 28 Sep 2023 17:04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 2050  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 35.7  | 12.4  | 18.6# |
| 176       | 30.2  | 16.0  | 24.0# |

