

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020525\  
 Data File : BP023956.D  
 Acq On : 06 Feb 2025 05:12  
 Operator : RC/JU  
 Sample : Q1202-19  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 E29B3

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/07/2025  
 Supervised By :mohammad ahmed 02/07/2025

Quant Time: Feb 06 08:09:56 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP012925.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 11:19:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|---------|--------|----------|
| -----                         |        |      |           |         |        |          |
| Internal Standards            |        |      |           |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 506757    | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.581 | 136  | 2930565m  | 20.000  | ng/u1  | 0.04     |
| 38) Acenaphthene-d10          | 14.416 | 164  | 1511030   | 20.000  | ng/u1  | 0.03     |
| 64) Phenanthrene-d10          | 17.198 | 188  | 2627098   | 20.000  | ng/u1  | 0.01     |
| 79) Chrysene-d12              | 21.616 | 240  | 2546992   | 20.000  | ng/u1  | -0.02    |
| 88) Perylene-d12              | 24.980 | 264  | 2812611   | 20.000  | ng/u1  | -0.03    |
|                               |        |      |           |         |        |          |
| System Monitoring Compounds   |        |      |           |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.293  | 96   | 72049     | 5.907   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.728  | 84   | 26737     | 0.760   | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 6.981  | 99   | 543470    | 12.118  | ng/u1  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.122  | 67   | 929386    | 39.152  | ng/u1  | 0.02     |
| 11) 2-Chlorophenol-d4         | 7.322  | 132  | 1330212   | 37.772  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.493  | 113  | 1010285   | 27.577  | ng/u1  | 0.02     |
| 21) Nitrobenzene-d5           | 8.928  | 128  | 737520    | 31.456  | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.640  | 143  | 826910    | 32.685  | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.193 | 165  | 1390029   | 29.950  | ng/u1  | 0.02     |
| 31) 4-Chloroaniline-d4        | 10.752 | 131  | 700526m   | 10.093  | ng/u1  | 0.08     |
| 46) Dimethylphthalate-d6      | 13.840 | 166  | 4079714   | 36.197  | ng/u1  | 0.05     |
| 49) Acenaphthylene-d8         | 14.104 | 160  | 4954198   | 38.973  | ng/u1  | 0.02     |
| 54) 4-Nitrophenol-d4          | 14.640 | 143  | 286981    | 12.821  | ng/u1  | 0.03     |
| 60) Fluorene-d10              | 15.416 | 176  | 3703861   | 39.023  | ng/u1  | 0.02     |
| 65) 4,6-Dinitro-2-methylph... | 15.534 | 200  | 430027    | 26.533  | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.298 | 188  | 5552152   | 43.043  | ng/u1  | 0.01     |
| 81) Pyrene-d10                | 19.657 | 212  | 6023604   | 44.138  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.751 | 264  | 6412128   | 43.694  | ng/u1  | -0.02    |
|                               |        |      |           |         |        |          |
| Target Compounds              |        |      |           |         | Qvalue |          |
| 8) Phenol                     | 6.999  | 94   | 29464055m | 639.838 | ng/u1  |          |
| 13) 2-Methylphenol            | 8.222  | 108  | 859142    | 24.796  | ng/u1  | 100      |
| 18) 4-Methylphenol            | 8.575  | 108  | 22101185  | 574.909 | ng/u1  | 95       |
| 26) 2,4-Dimethylphenol        | 9.793  | 107  | 45494031m | 890.739 | ng/u1  |          |
| 30) Naphthalene               | 10.610 | 128  | 4127665   | 26.313  | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.246 | 142  | 750432    | 6.804   | ng/u1  | 100      |
| 37) 1-Methylnaphthalene       | 12.463 | 142  | 845693m   | 7.729   | ng/u1  |          |
| 42) 2,4,5-Trichlorophenol     | 12.934 | 196  | 51086     | 1.588   | ng/u1  | 98       |
| 43) 1,1'-Biphenyl             | 13.240 | 154  | 141945    | 1.266   | ng/u1# | 85       |
| 52) Acenaphthene              | 14.481 | 153  | 359464    | 3.745   | ng/u1  | 85       |
| 56) Dibenzofuran              | 14.816 | 168  | 177001    | 1.331   | ng/u1  | 94       |
| 61) Fluorene                  | 15.475 | 166  | 168233    | 1.525   | ng/u1# | 98       |
| 72) Phenanthrene              | 17.239 | 178  | 372554    | 2.511   | ng/u1# | 95       |
| 77) Carbazole                 | 17.616 | 167  | 871775    | 6.651   | ng/u1  | 98       |
| -----                         |        |      |           |         |        |          |

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

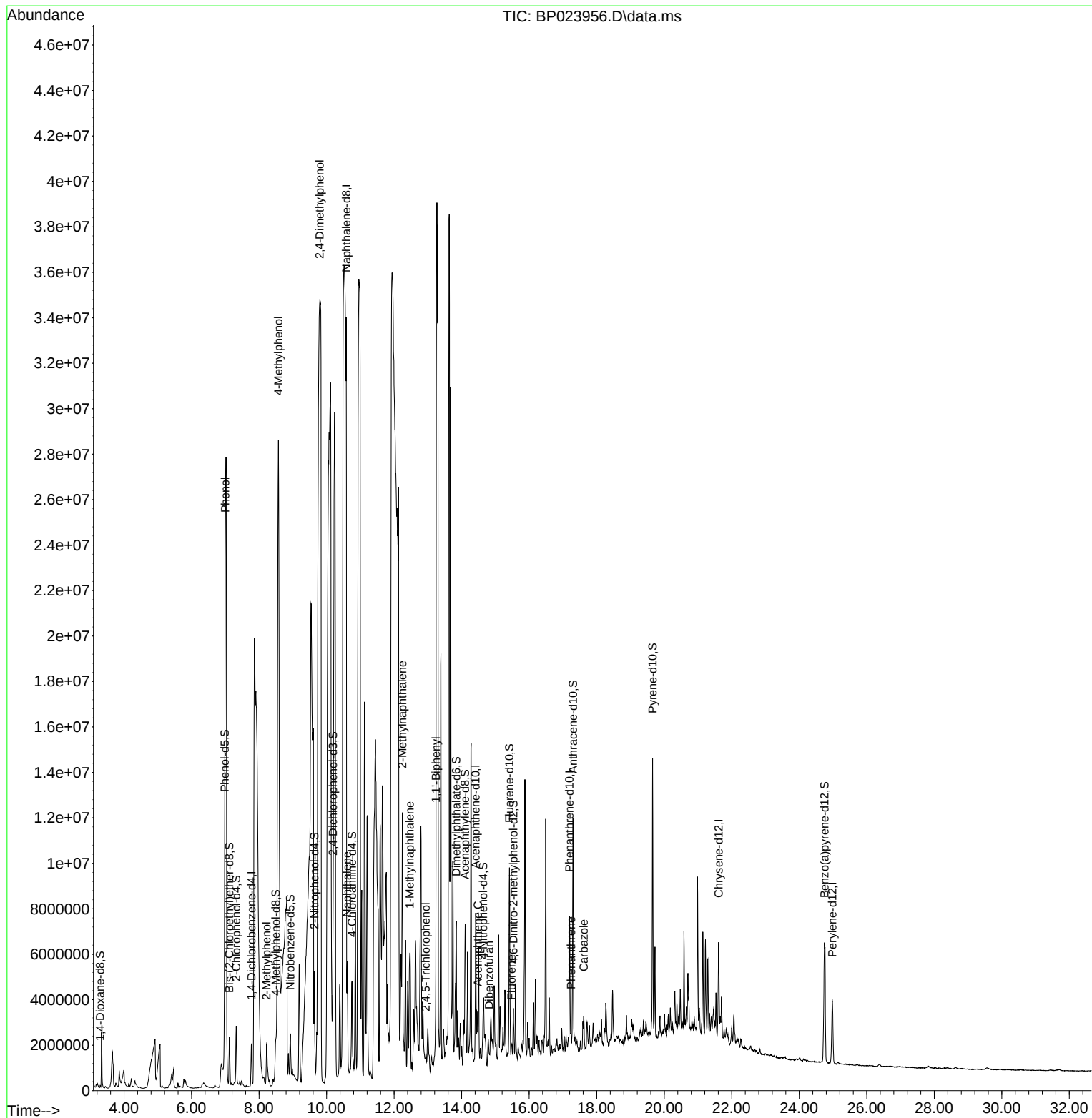
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP020525\  
Data File : BP023956.D  
Acq On : 06 Feb 2025 05:12  
Operator : RC/JU  
Sample : Q1202-19  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

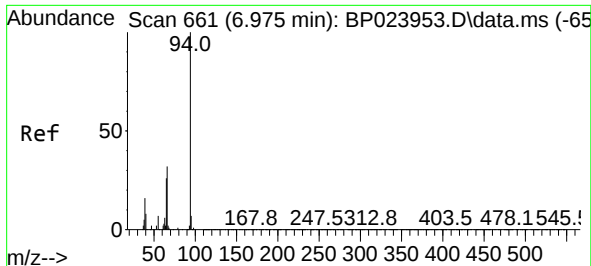
Instrument :  
BNA\_P  
ClientSampleId :  
E29B3

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/07/2025  
Supervised By :mohammad ahmed 02/07/2025

Quant Time: Feb 06 08:09:56 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP012925.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Feb 03 11:19:36 2025  
Response via : Initial Calibration





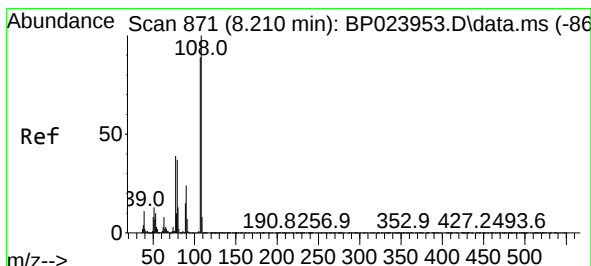
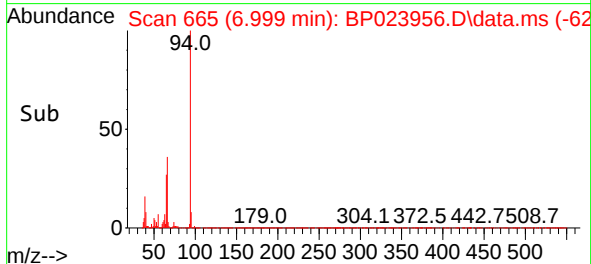
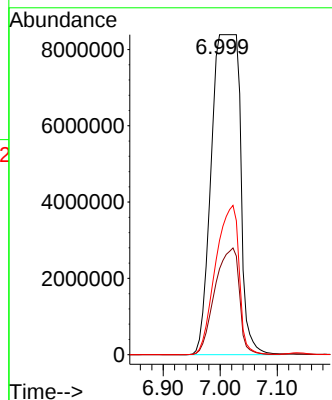
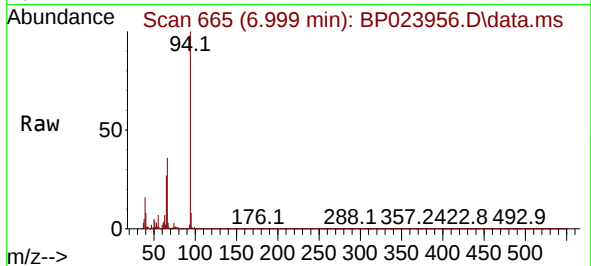
#8  
Phenol  
Concen: 639.838 ng/ul m  
RT: 6.999 min Scan# 6  
Delta R.T. 0.018 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12

Instrument :  
BNA\_P  
ClientSampleId :  
E29B3

Tgt Ion: 94 Resp: 2946405  
Ion Ratio Lower Upper  
94 100  
65 26.9 20.1 30.1  
66 35.8 26.0 39.0

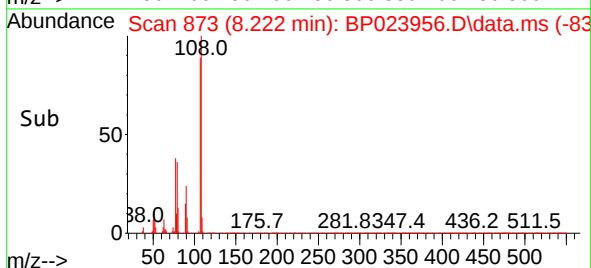
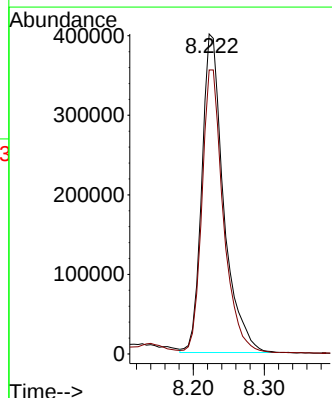
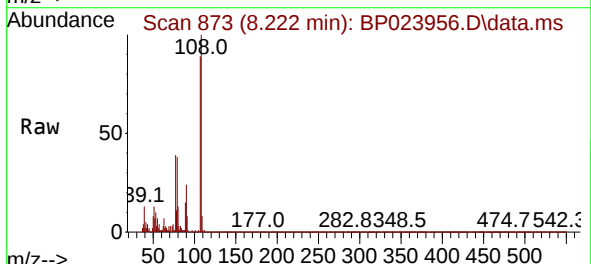
Manual Integrations  
APPROVED

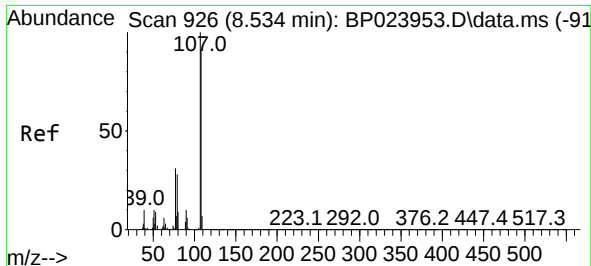
Reviewed By :Yogesh Patel 02/07/2025  
Supervised By :mohammad ahmed 02/07/2025



#13  
2-Methylphenol  
Concen: 24.796 ng/ul  
RT: 8.222 min Scan# 873  
Delta R.T. 0.006 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12

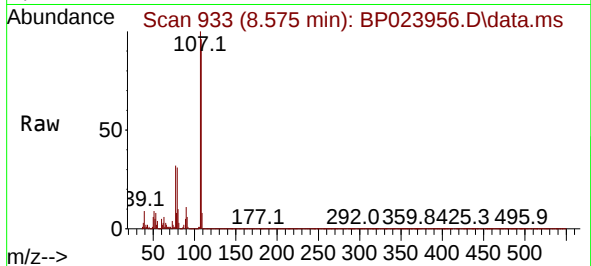
Tgt Ion: 108 Resp: 859142  
Ion Ratio Lower Upper  
108 100  
107 88.8 71.0 106.6





#18  
4-Methylphenol  
Concen: 574.909 ng/ul  
RT: 8.575 min Scan# 911  
Delta R.T. 0.041 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12

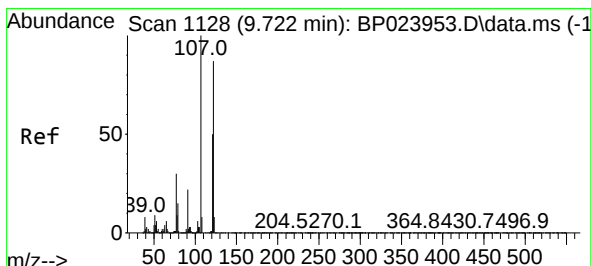
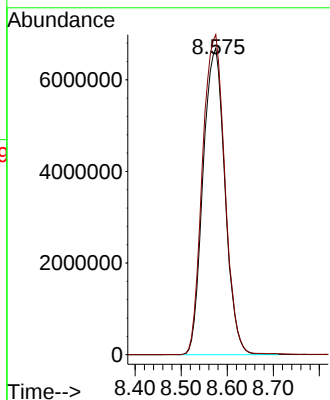
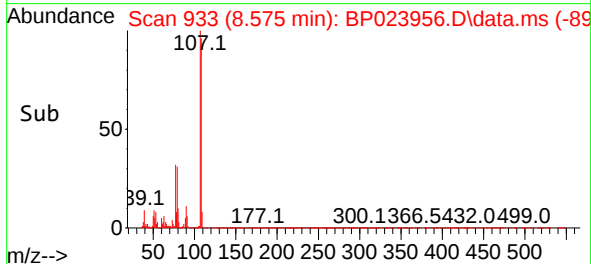
Instrument :  
BNA\_P  
ClientSampleId :  
E29B3



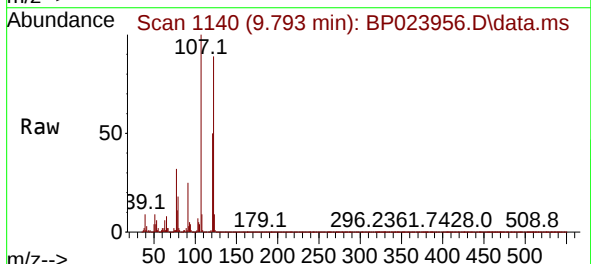
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Ion Ratio Lower Upper  
108 100  
107 104.4 87.8 131.6

Manual Integrations  
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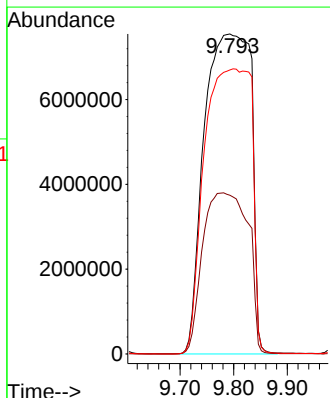
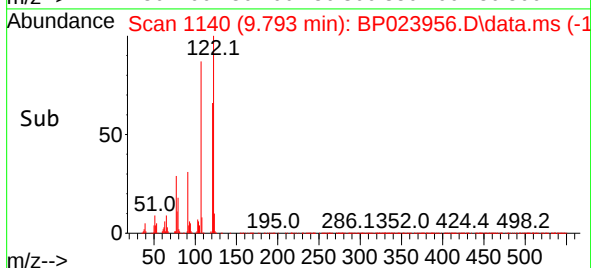
Reviewed By :Yogesh Patel 02/07/2025  
Supervised By :mohammad ahmed 02/07/2025

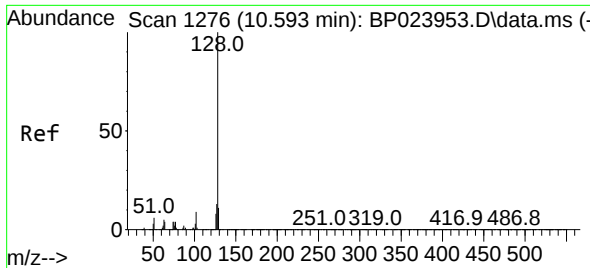


#26  
2,4-Dimethylphenol  
Concen: 890.739 ng/ul m  
RT: 9.793 min Scan# 1140  
Delta R.T. 0.065 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12



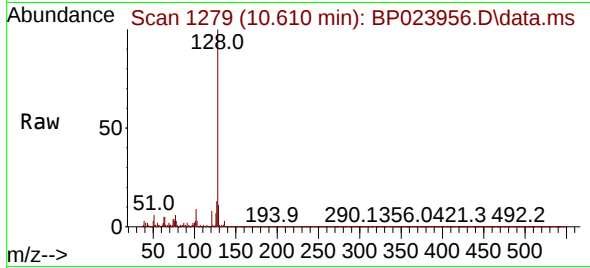
Tgt Ion:107 Resp:45494031  
Ion Ratio Lower Upper  
107 100  
121 49.6 41.4 62.2  
122 88.8 71.5 107.3





#30  
Naphthalene  
Concen: 26.313 ng/ul  
RT: 10.610 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12

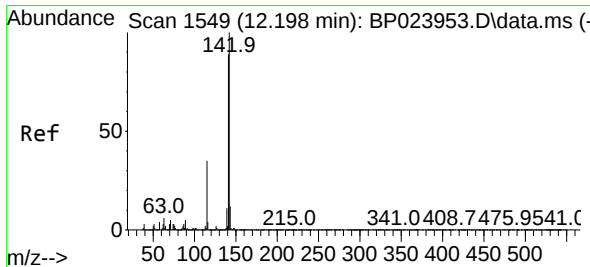
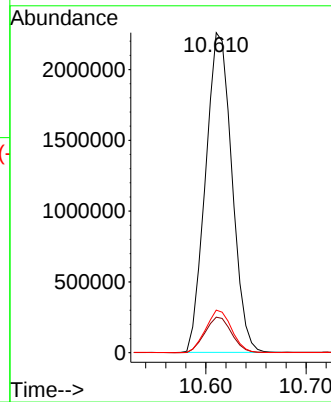
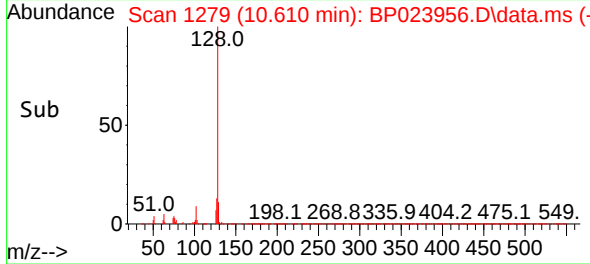
Instrument :  
BNA\_P  
ClientSampleId :  
E29B3



Tgt Ion:128 Resp: 412766  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.7 13.1  
127 13.3 10.5 15.7

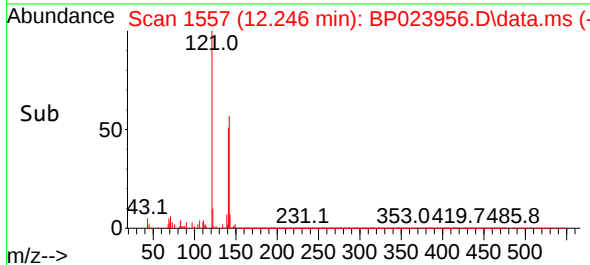
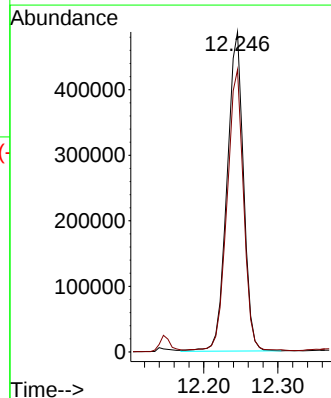
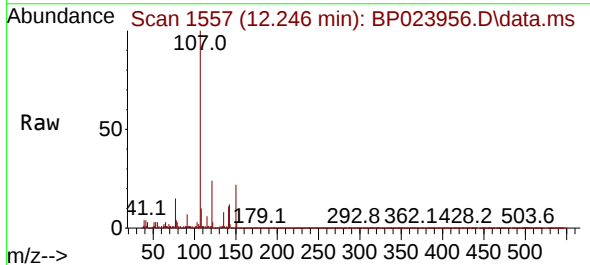
Manual Integrations  
APPROVED

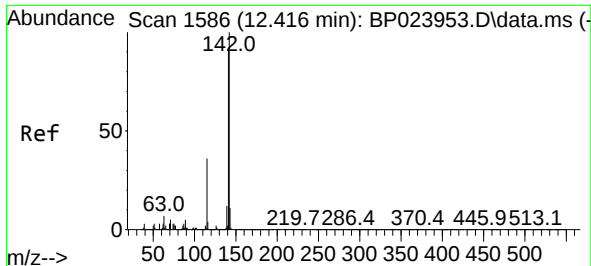
Reviewed By :Yogesh Patel 02/07/2025  
Supervised By :mohammad ahmed 02/07/2025



#36  
2-Methylnaphthalene  
Concen: 6.804 ng/ul  
RT: 12.246 min Scan# 1557  
Delta R.T. 0.041 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12

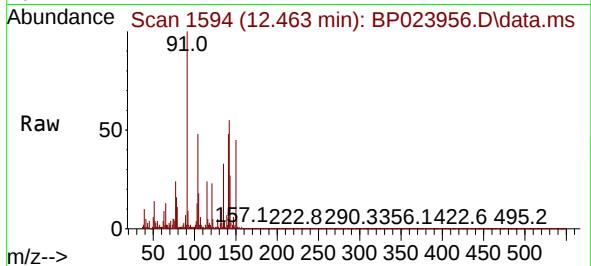
Tgt Ion:142 Resp: 750432  
Ion Ratio Lower Upper  
142 100  
141 88.2 70.8 106.2





#37  
1-Methylnaphthalene  
Concen: 7.729 ng/ul m  
RT: 12.463 min Scan# 1  
Delta R.T. 0.041 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12

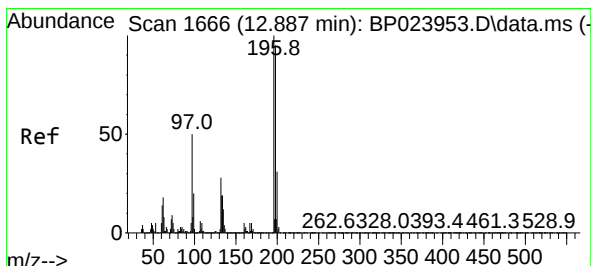
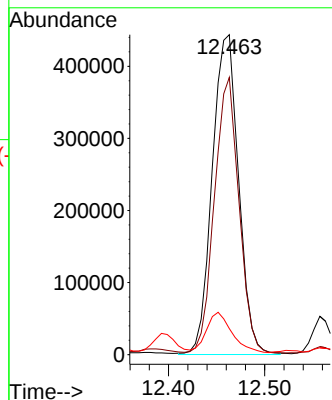
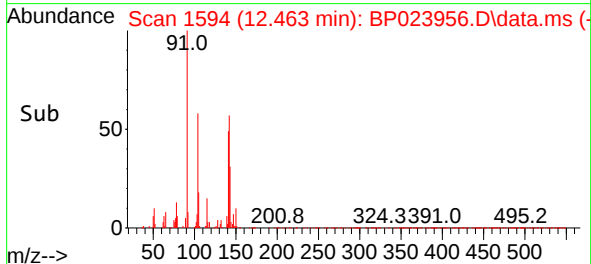
Instrument :  
BNA\_P  
ClientSampleId :  
E29B3



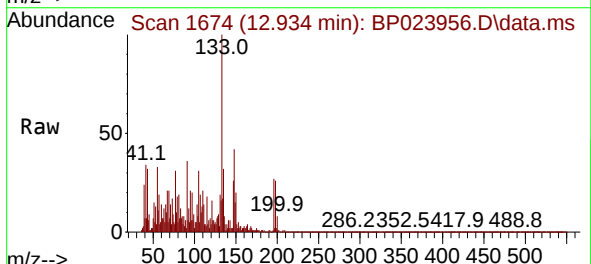
Tgt Ion:142 Resp: 84569  
Ion Ratio Lower Upper  
142 100  
141 86.6 72.8 109.2  
116 8.2 2.9 4.3

Manual Integrations  
APPROVED

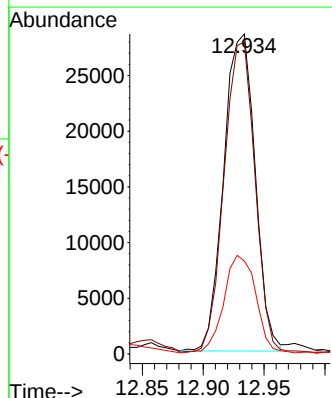
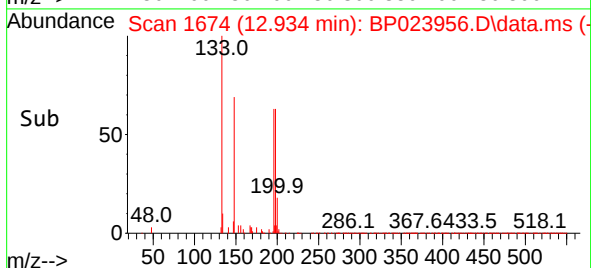
Reviewed By :Yogesh Patel 02/07/2025  
Supervised By :mohammad ahmed 02/07/2025

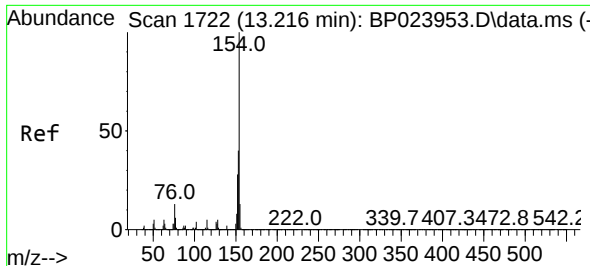


#42  
2,4,5-Trichlorophenol  
Concen: 1.588 ng/ul  
RT: 12.934 min Scan# 1674  
Delta R.T. 0.041 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12



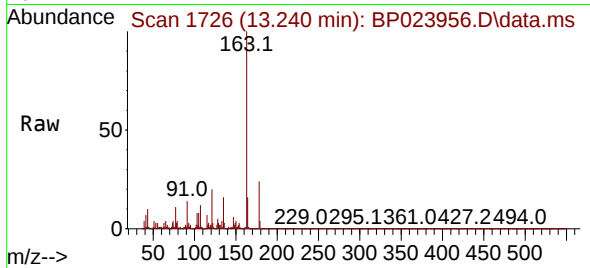
Tgt Ion:196 Resp: 51086  
Ion Ratio Lower Upper  
196 100  
198 97.5 76.8 115.2  
200 29.0 24.9 37.3





#43  
1,1'-Biphenyl  
Concen: 1.266 ng/ul  
RT: 13.240 min Scan# 1726  
Delta R.T. 0.024 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12

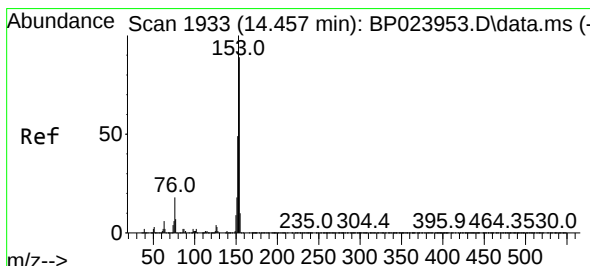
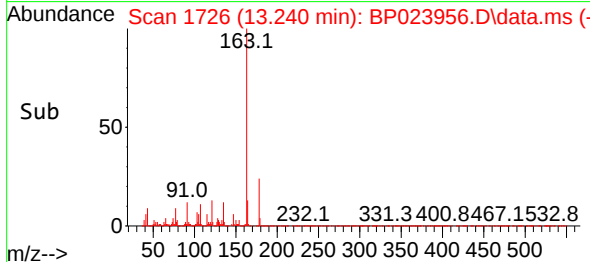
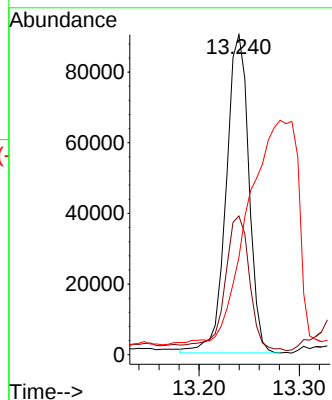
Instrument :  
BNA\_P  
ClientSampleId :  
E29B3



Tgt Ion:154 Resp: 141945  
Ion Ratio Lower Upper  
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153 43.3 32.0 48.0  
76 30.4 10.1 15.1

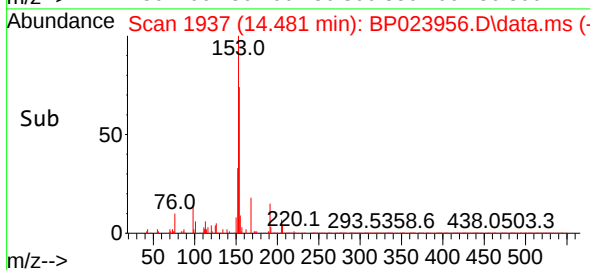
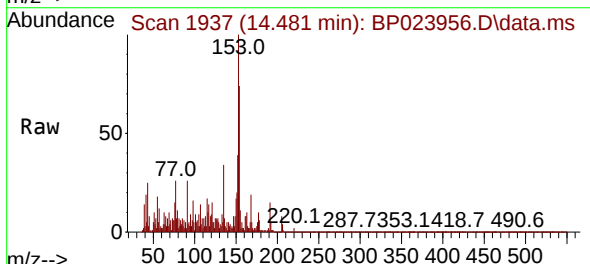
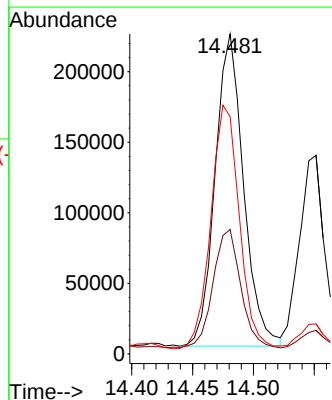
Manual Integrations  
APPROVED

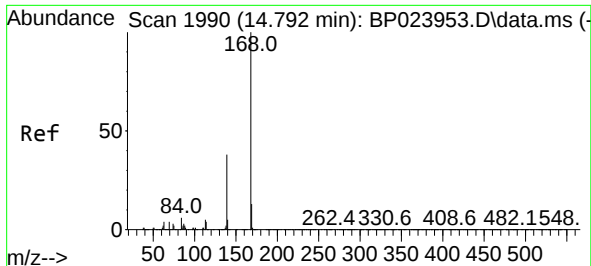
Reviewed By :Yogesh Patel 02/07/2025  
Supervised By :mohammad ahmed 02/07/2025



#52  
Acenaphthene  
Concen: 3.745 ng/ul  
RT: 14.481 min Scan# 1937  
Delta R.T. 0.029 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12

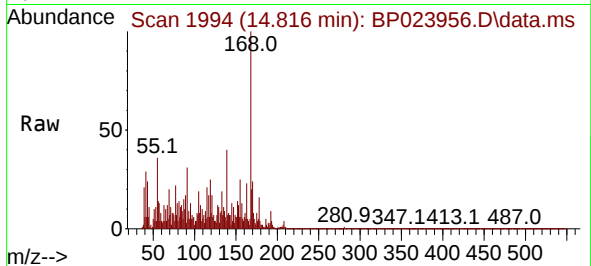
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Ion Ratio Lower Upper  
153 100  
152 38.9 38.2 57.4  
154 74.1 71.2 106.8





#56  
Dibenzenofuran  
Concen: 1.331 ng/ul  
RT: 14.816 min Scan# 1994  
Delta R.T. 0.024 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12

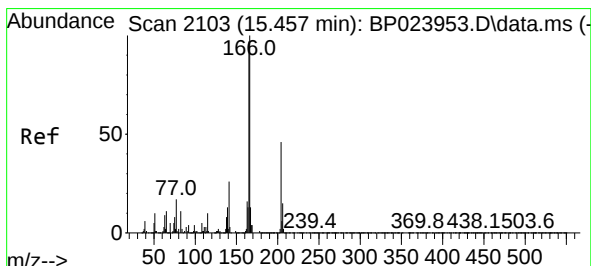
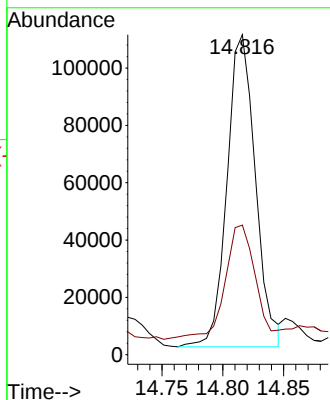
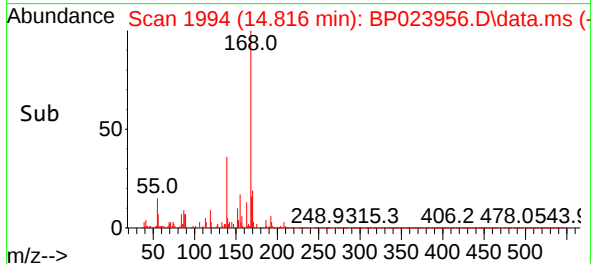
Instrument :  
BNA\_P  
ClientSampleId :  
E29B3



Tgt Ion:168 Resp: 17700  
Ion Ratio Lower Upper  
168 100  
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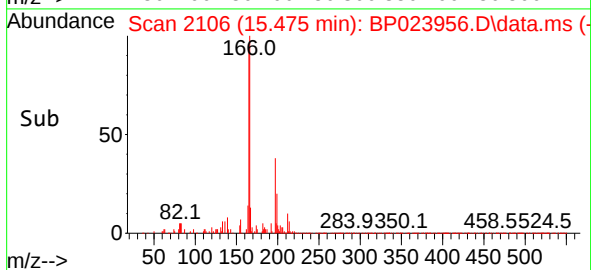
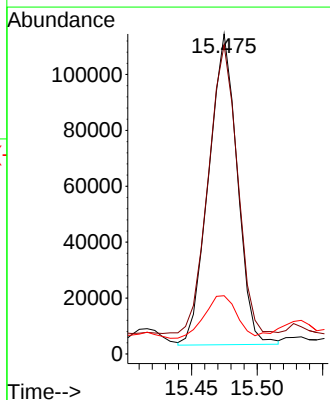
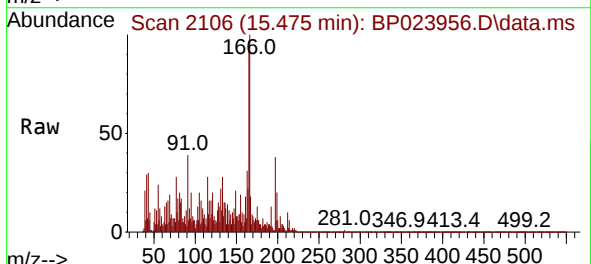
Manual Integrations  
APPROVED

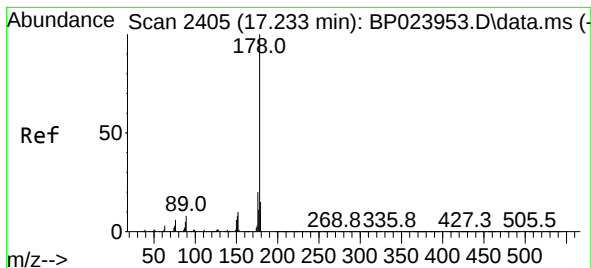
Reviewed By :Yogesh Patel 02/07/2025  
Supervised By :mohammad ahmed 02/07/2025



#61  
Fluorene  
Concen: 1.525 ng/ul  
RT: 15.475 min Scan# 2106  
Delta R.T. 0.024 min  
Lab File: BP023956.D  
Acq: 06 Feb 2025 05:12

Tgt Ion:166 Resp: 168233  
Ion Ratio Lower Upper  
166 100  
165 96.6 77.9 116.9  
167 18.2 10.6 16.0#





#72

Phenanthrene

Concen: 2.511 ng/u1

RT: 17.239 min Scan# 2405

Delta R.T. 0.012 min

Lab File: BP023956.D

Acq: 06 Feb 2025 05:12

Instrument :

BNA\_P

ClientSampleId :

E29B3

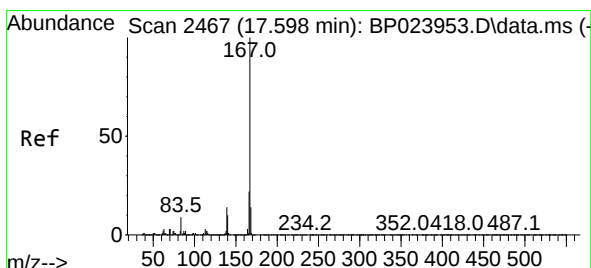
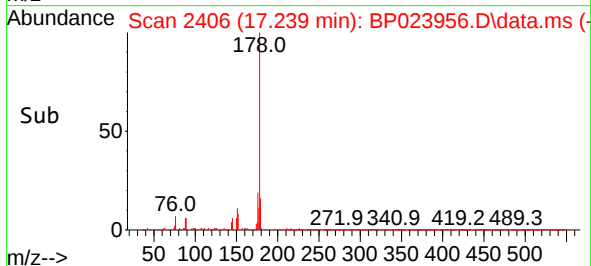
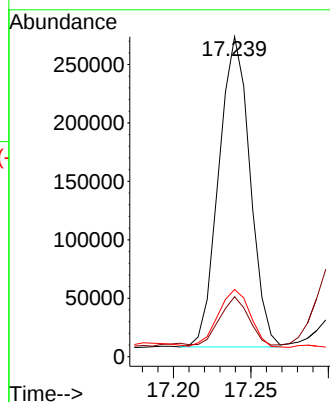
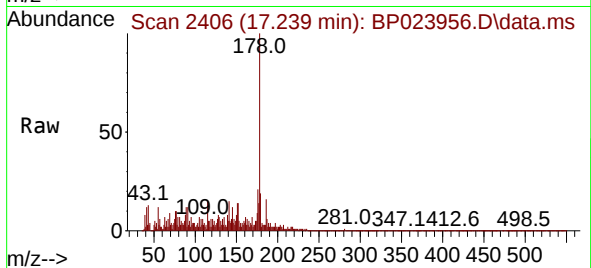
|             |              |
|-------------|--------------|
| Tgt Ion:178 | Resp: 372554 |
| Ion Ratio   | Lower Upper  |
| 178 100     |              |
| 179 18.7    | 12.2 18.4    |
| 176 21.0    | 15.6 23.4    |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/07/2025

Supervised By :mohammad ahmed 02/07/2025



#77

Carbazole

Concen: 6.651 ng/u1

RT: 17.616 min Scan# 2470

Delta R.T. 0.018 min

Lab File: BP023956.D

Acq: 06 Feb 2025 05:12

|             |              |
|-------------|--------------|
| Tgt Ion:167 | Resp: 871775 |
| Ion Ratio   | Lower Upper  |
| 167 100     |              |
| 166 21.7    | 17.0 25.6    |
| 139 14.8    | 10.2 15.4    |

