

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080723\  
 Data File : BF134648.D  
 Acq On : 07 Aug 2023 11:55  
 Operator : CG\JU  
 Sample : 03898-01 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-4-080323

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/08/2023  
 Supervised By :mohammad ahmed 08/08/2023

Quant Time: Aug 08 01:20:16 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 04 09:29:15 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.798  | 152  | 178762   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.075  | 136  | 681590   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.827  | 164  | 314360   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.316 | 188  | 478386   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.968 | 240  | 398410   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.439 | 264  | 347728   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.416  | 112  | 186439   | 15.854 | ng    | -0.01    |
| 7) Phenol-d6                | 6.422  | 99   | 228032   | 15.169 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.351  | 82   | 121916   | 11.178 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.616 | 330  | 41356    | 12.905 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.151  | 172  | 243260   | 12.866 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.910 | 244  | 216916   | 9.598  | ng    | -0.01    |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 75) Fluoranthene            | 12.533 | 202  | 61345    | 2.286  | ng    | 96       |
| 78) Pyrene                  | 12.763 | 202  | 77542    | 2.249  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 15.004 | 252  | 60960m   | 2.874  | ng    |          |
| 90) Benzo(a)pyrene          | 15.368 | 252  | 44395    | 2.245  | ng    | # 86     |
| -----                       |        |      |          |        |       |          |

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

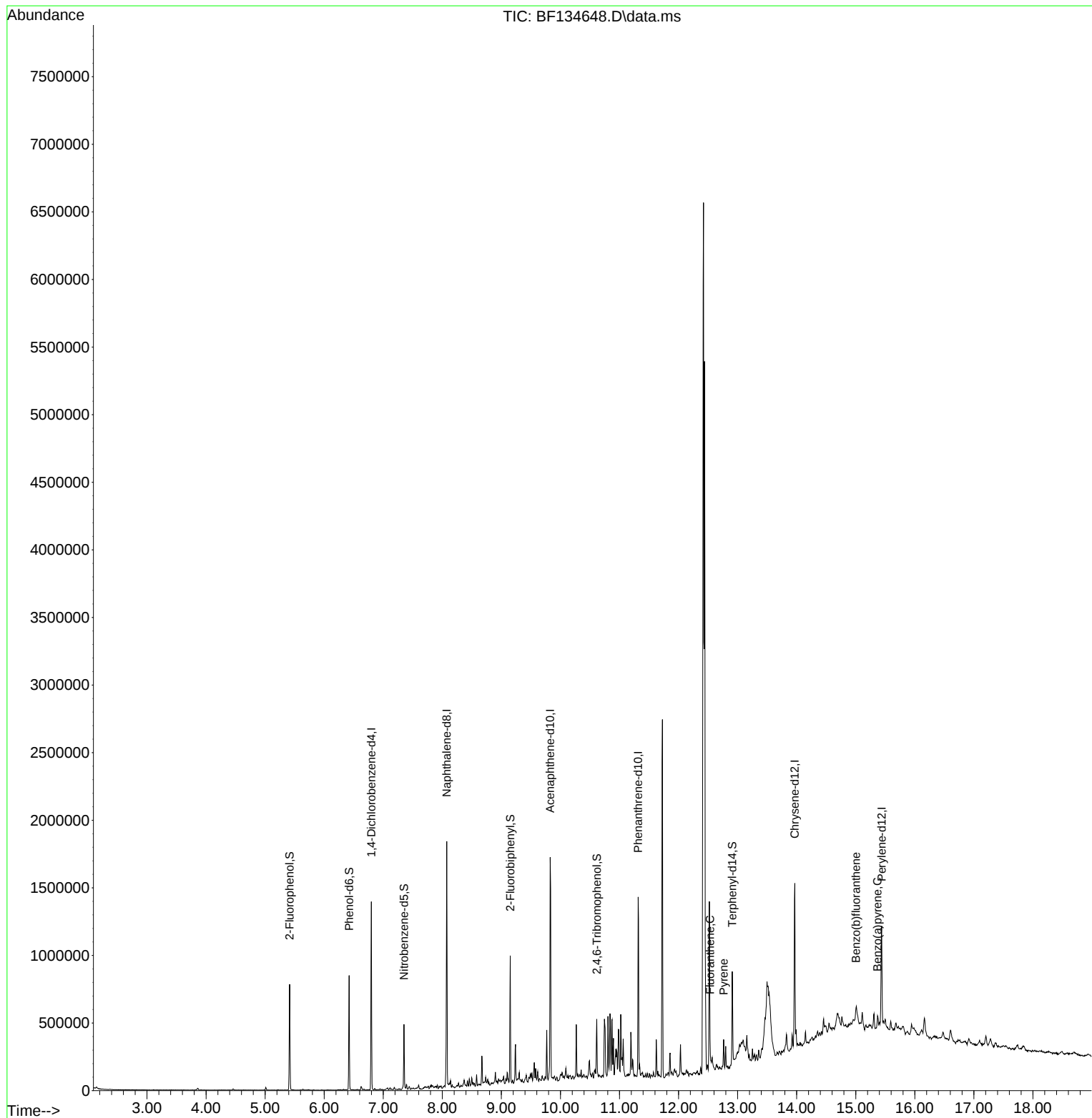
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080723\  
Data File : BF134648.D  
Acq On : 07 Aug 2023 11:55  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 04 09:29:15 2023  
Response via : Initial Calibration





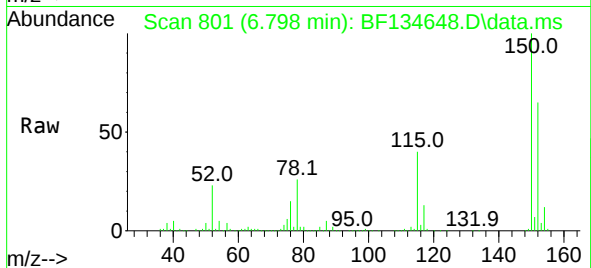
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1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: BF134648.D  
Acq: 07 Aug 2023 11:55

Instrument :

BNA\_F

ClientSampleId :

TR-4-080323

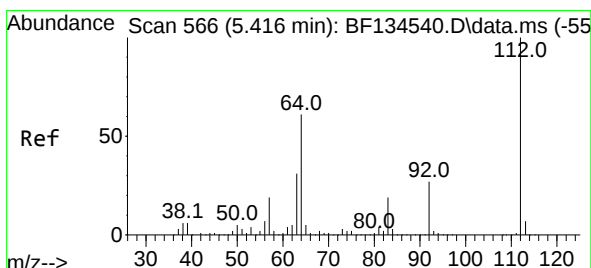
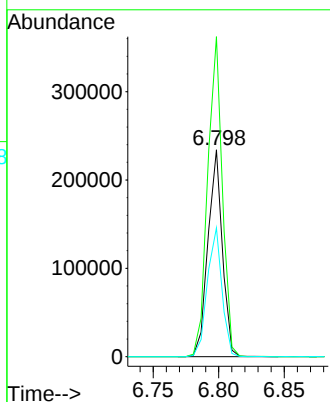
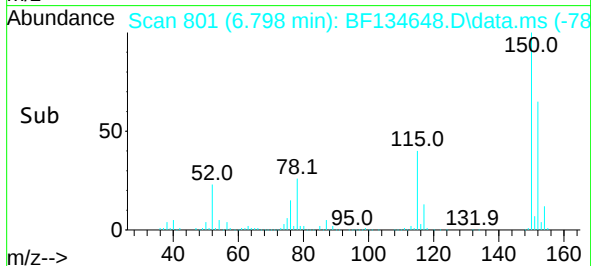


Tgt Ion:152 Resp: 178762  
Ion Ratio Lower Upper  
152 100  
150 154.7 128.3 192.5  
115 62.2 52.4 78.6

Manual Integrations

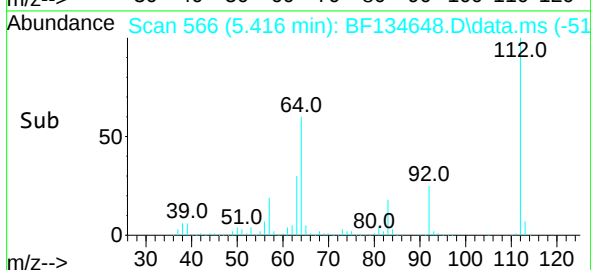
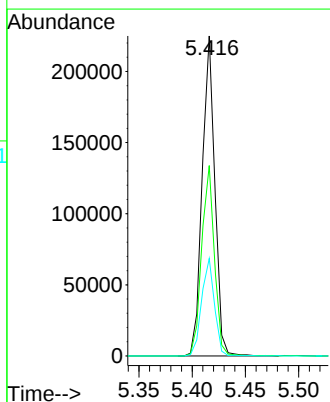
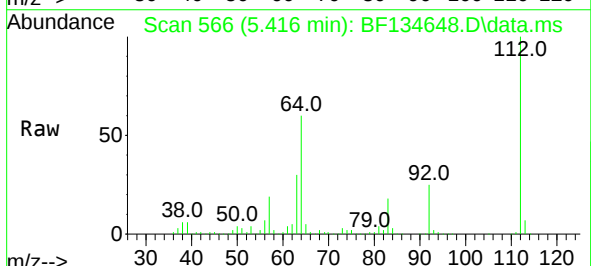
APPROVED

Reviewed By :Yogesh Patel 08/08/2023  
Supervised By :mohammad ahmed 08/08/2023



#5  
2-Fluorophenol  
Concen: 15.854 ng  
RT: 5.416 min Scan# 566  
Delta R.T. -0.012 min  
Lab File: BF134648.D  
Acq: 07 Aug 2023 11:55

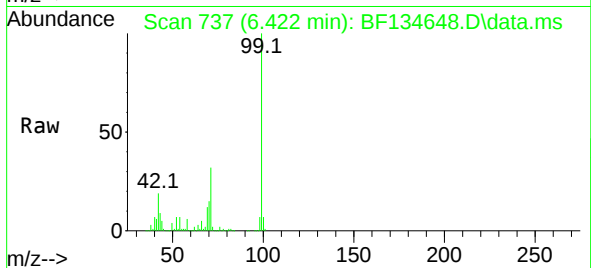
Tgt Ion:112 Resp: 186439  
Ion Ratio Lower Upper  
112 100  
64 59.5 44.9 67.3  
63 30.4 25.4 38.0





#7  
Phenol-d6  
Concen: 15.169 ng  
RT: 6.422 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF134648.D  
Acq: 07 Aug 2023 11:55

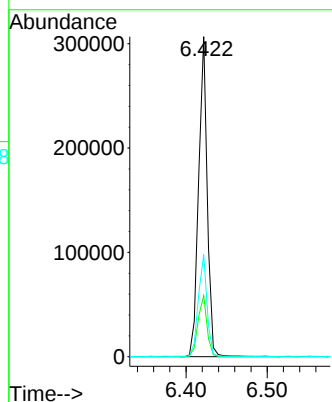
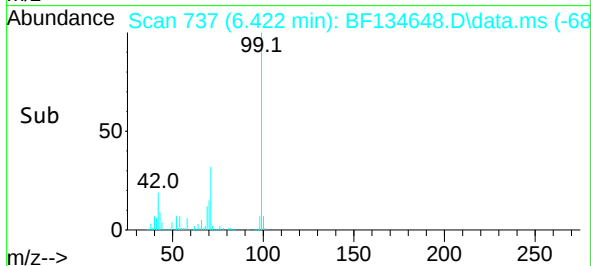
Instrument :  
BNA\_F  
ClientSampleId :  
TR-4-080323



Tgt Ion: 99 Resp: 22803  
Ion Ratio Lower Upper  
99 100  
42 19.1 18.7 28.1  
71 32.0 36.4 54.6

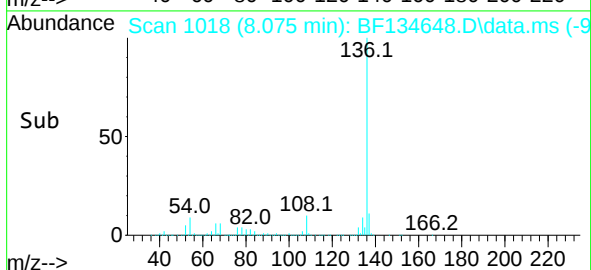
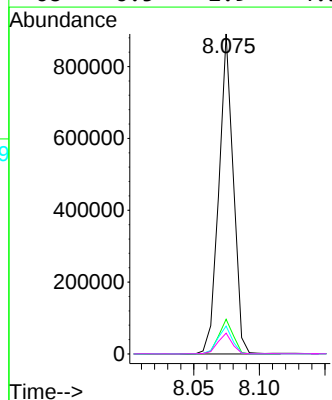
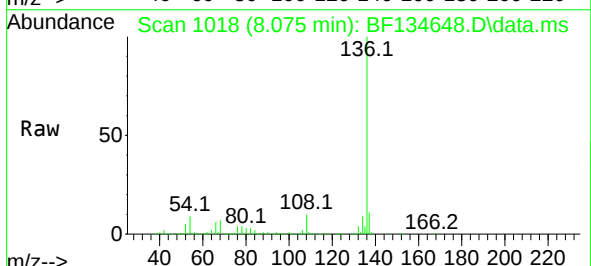
Manual Integrations  
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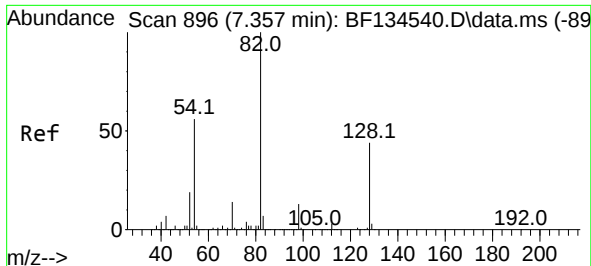
Reviewed By :Yogesh Patel 08/08/2023  
Supervised By :mohammad ahmed 08/08/2023



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF134648.D  
Acq: 07 Aug 2023 11:55

Tgt Ion:136 Resp: 681590  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.4 12.6  
54 8.7 5.2 7.8#  
68 6.5 2.9 4.3#





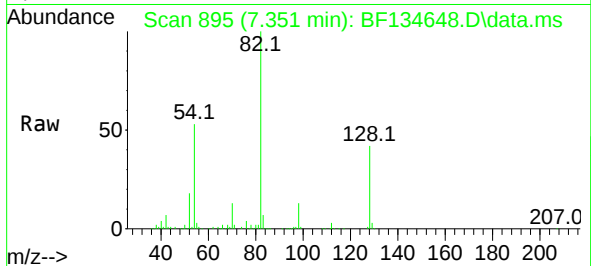
#23  
Nitrobenzene-d5  
Concen: 11.178 ng  
RT: 7.351 min Scan# 896  
Delta R.T. -0.018 min  
Lab File: BF134648.D  
Acq: 07 Aug 2023 11:55

Instrument :

BNA\_F

ClientSampleId :

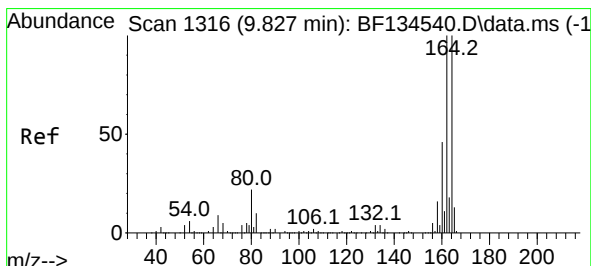
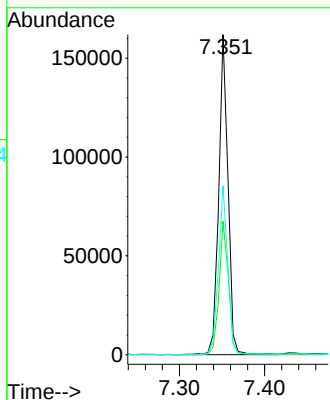
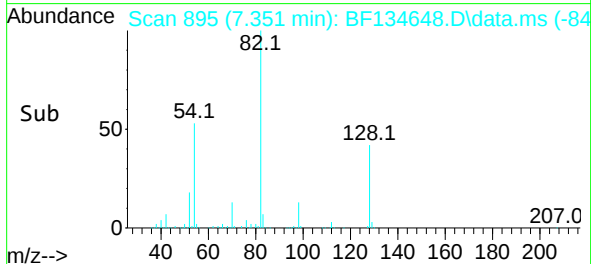
TR-4-080323



Tgt Ion: 82 Resp: 121910  
Ion Ratio Lower Upper  
82 100  
128 41.7 34.3 51.5  
54 52.8 43.8 65.6

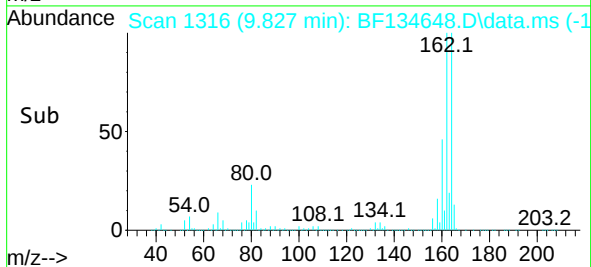
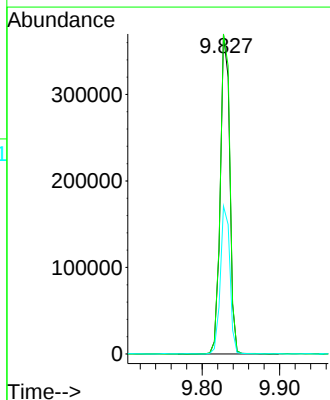
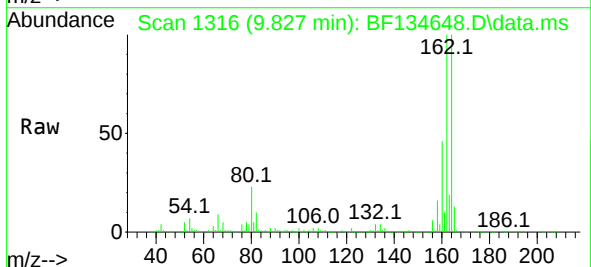
Manual Integrations  
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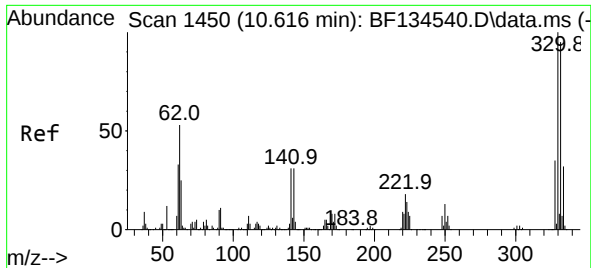
Reviewed By :Yogesh Patel 08/08/2023  
Supervised By :mohammad ahmed 08/08/2023



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.827 min Scan# 1316  
Delta R.T. -0.006 min  
Lab File: BF134648.D  
Acq: 07 Aug 2023 11:55

Tgt Ion:164 Resp: 314360  
Ion Ratio Lower Upper  
164 100  
162 99.9 82.6 123.8  
160 46.2 37.2 55.8





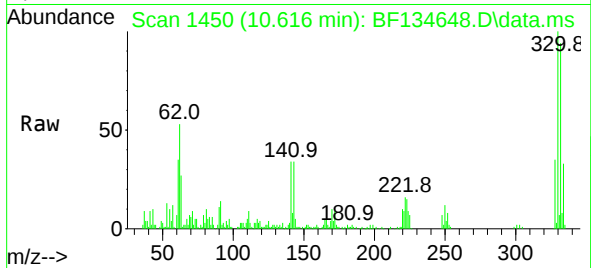
#42  
2,4,6-Tribromophenol  
Concen: 12.905 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.012 min  
Lab File: BF134648.D  
Acq: 07 Aug 2023 11:55

Instrument :

BNA\_F

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TR-4-080323



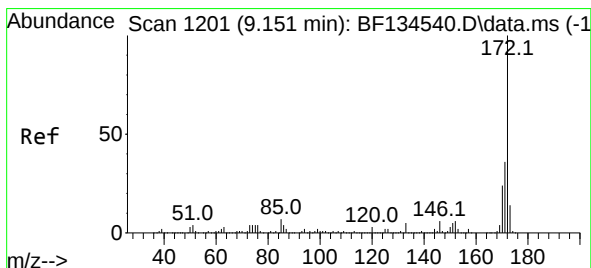
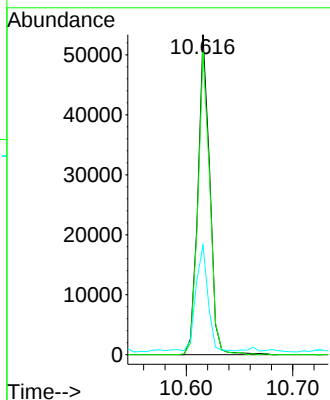
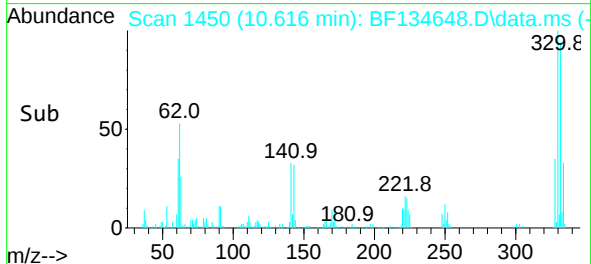
Tgt Ion: 330 Resp: 41350  
Ion Ratio Lower Upper  
330 100  
332 94.8 78.8 118.2  
141 33.0 25.4 38.2

Manual Integrations

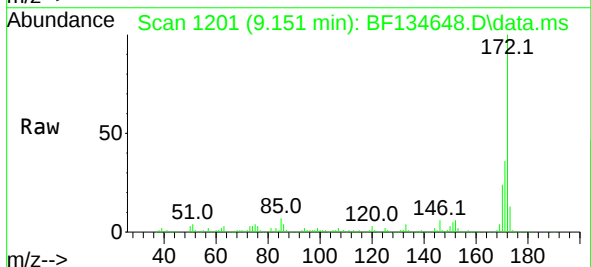
APPROVED

Reviewed By : Yogesh Patel 08/08/2023

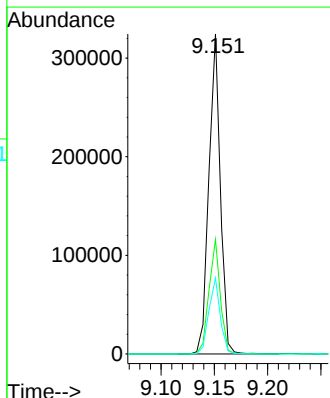
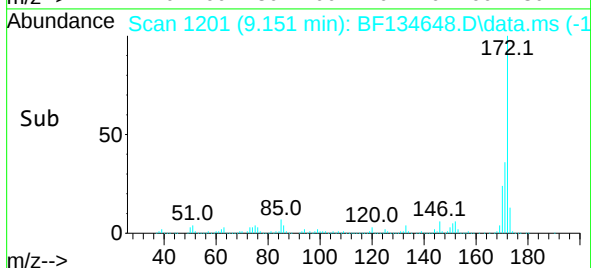
Supervised By : mohammad ahmed 08/08/2023

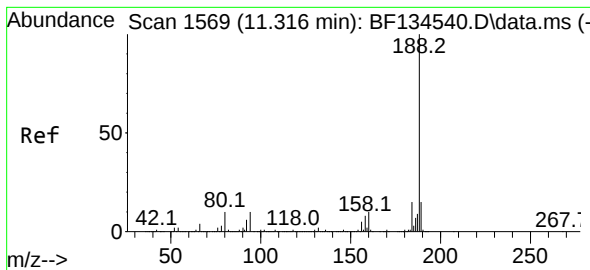


#45  
2-Fluorobiphenyl  
Concen: 12.866 ng  
RT: 9.151 min Scan# 1201  
Delta R.T. -0.012 min  
Lab File: BF134648.D  
Acq: 07 Aug 2023 11:55



Tgt Ion: 172 Resp: 243260  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.8 43.2  
170 23.7 18.7 28.1





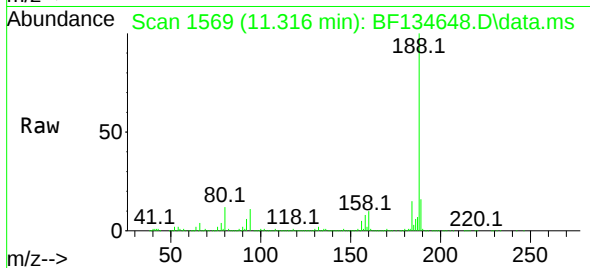
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.006 min  
Lab File: BF134648.D  
Acq: 07 Aug 2023 11:55

Instrument :

BNA\_F

ClientSampleId :

TR-4-080323

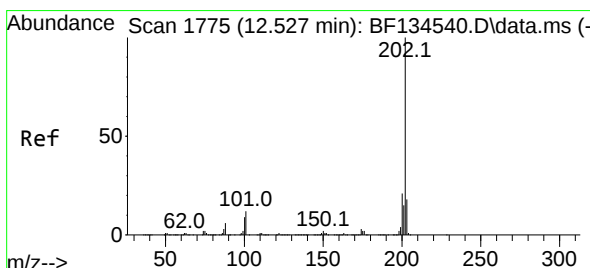
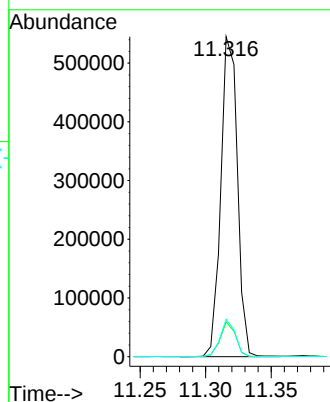
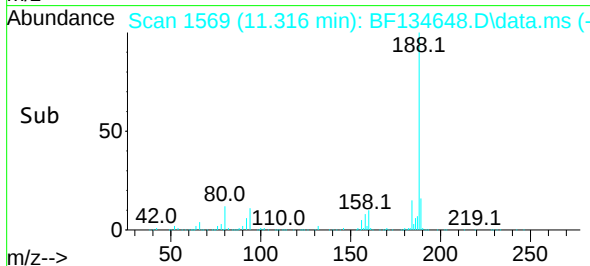


Tgt Ion:188 Resp: 478380  
Ion Ratio Lower Upper  
188 100  
94 10.8 5.1 7.7  
80 11.7 6.6 9.8

Manual Integrations

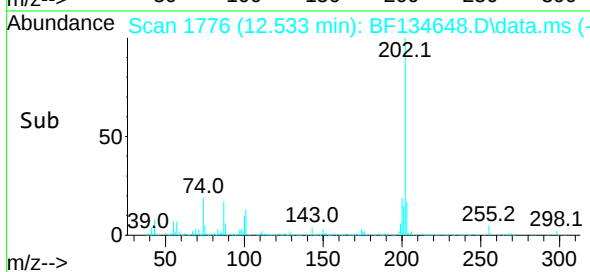
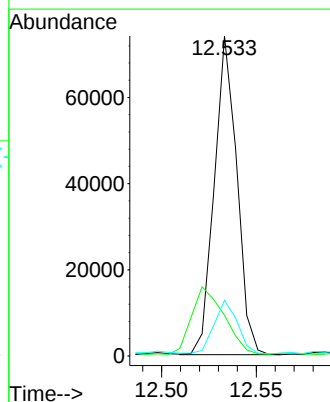
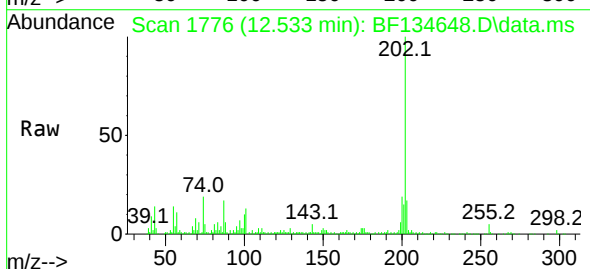
APPROVED

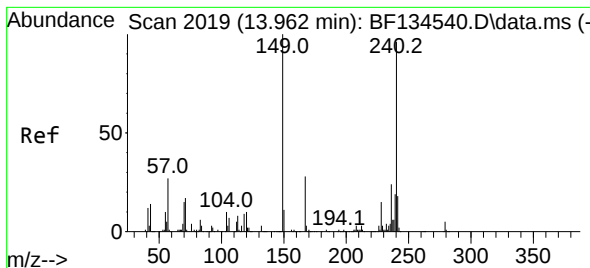
Reviewed By :Yogesh Patel 08/08/2023  
Supervised By :mohammad ahmed 08/08/2023



#75  
Fluoranthene  
Concen: 2.286 ng  
RT: 12.533 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: BF134648.D  
Acq: 07 Aug 2023 11:55

Tgt Ion:202 Resp: 61345  
Ion Ratio Lower Upper  
202 100  
101 12.7 0.0 28.5  
203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

Instrument :

BNA\_F

ClientSampleId :

TR-4-080323

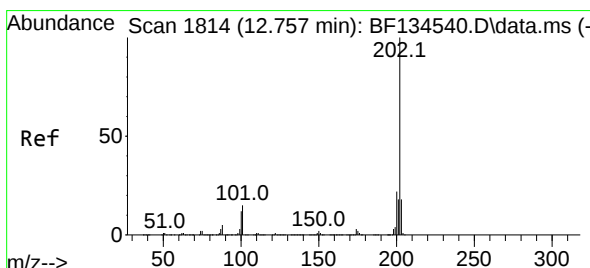
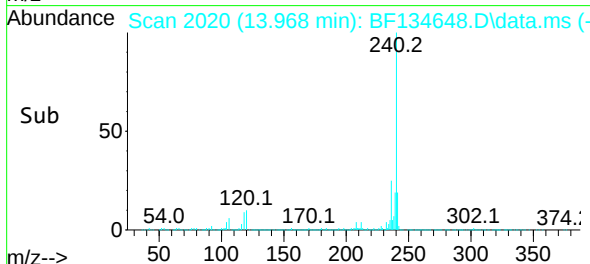
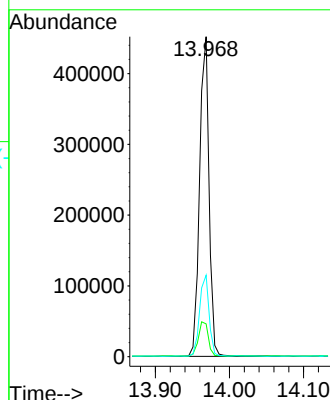
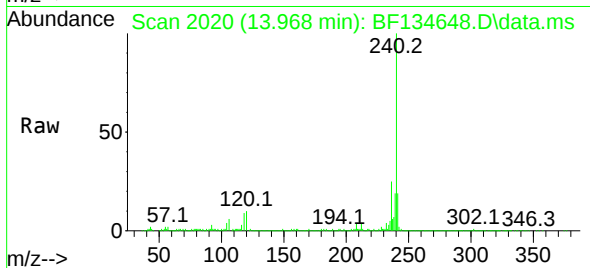
Tgt Ion:240 Resp: 398410  
 Ion Ratio Lower Upper  
 240 100  
 120 10.3 6.6 10.0  
 236 25.4 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#78

Pyrene

Concen: 2.249 ng

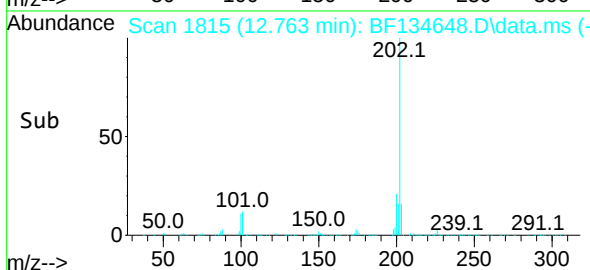
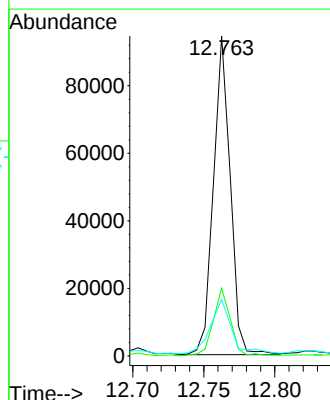
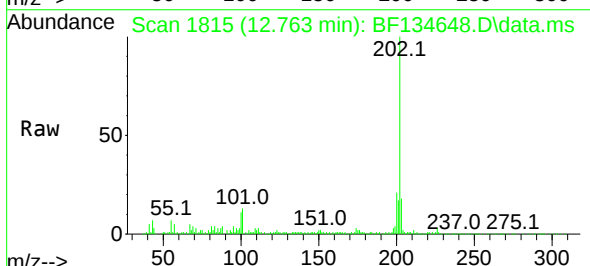
RT: 12.763 min Scan# 1815

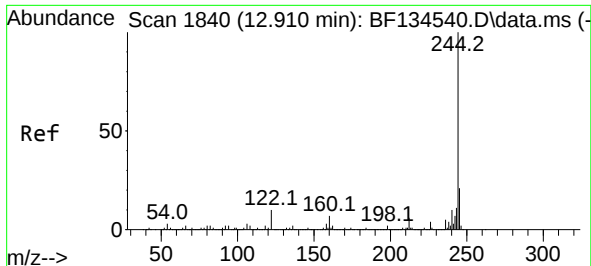
Delta R.T. -0.006 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

Tgt Ion:202 Resp: 77542  
 Ion Ratio Lower Upper  
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 200 21.1 15.8 23.8  
 203 17.6 13.5 20.3





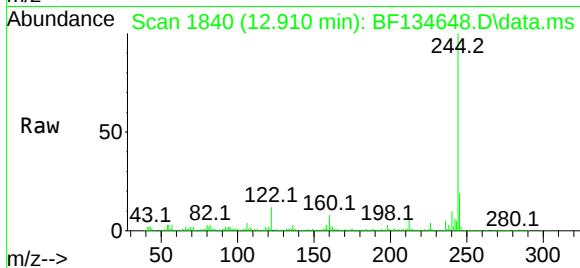
#79  
 Terphenyl-d14  
 Concen: 9.598 ng  
 RT: 12.910 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF134648.D  
 Acq: 07 Aug 2023 11:55

Instrument :

BNA\_F

ClientSampleId :

TR-4-080323

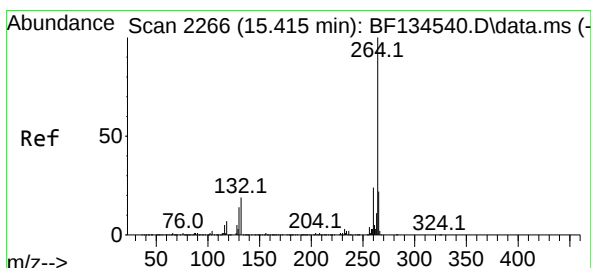
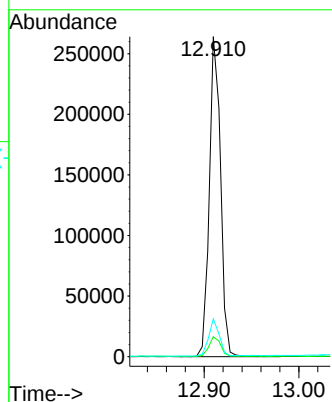
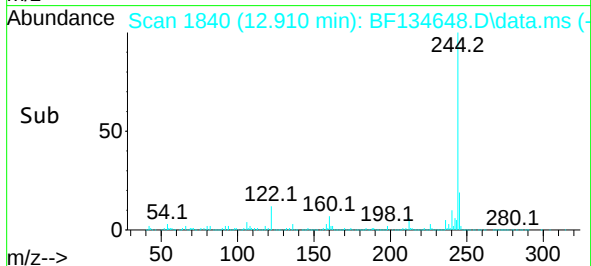


Tgt Ion:244 Resp: 216910  
 Ion Ratio Lower Upper  
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 212 6.2 5.6 8.4  
 122 11.8 8.0 12.0

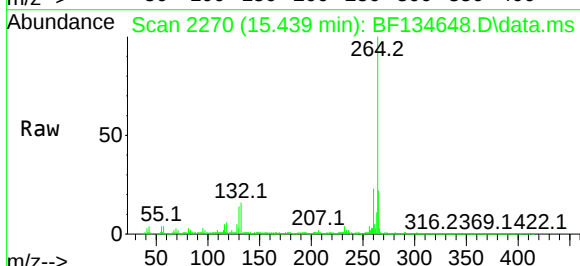
Manual Integrations

APPROVED

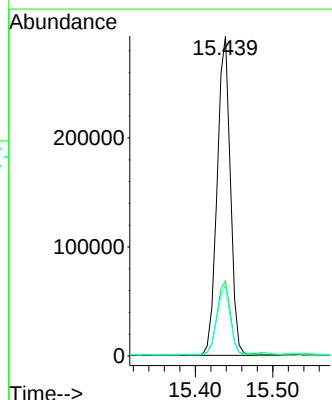
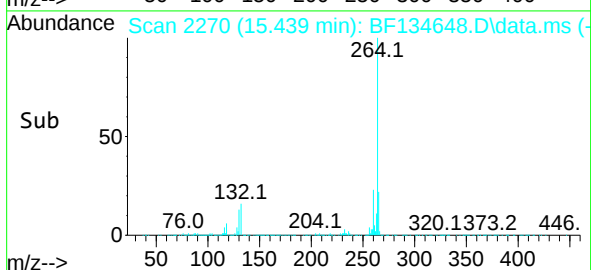
Reviewed By :Yogesh Patel 08/08/2023  
 Supervised By :mohammad ahmed 08/08/2023

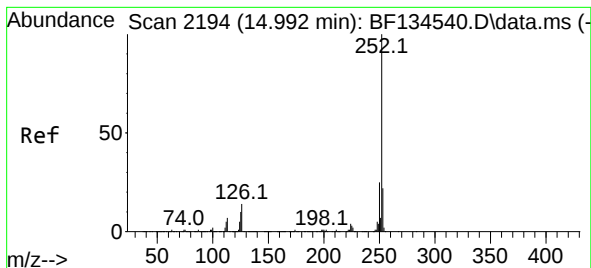


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.439 min Scan# 2270  
 Delta R.T. 0.000 min  
 Lab File: BF134648.D  
 Acq: 07 Aug 2023 11:55



Tgt Ion:264 Resp: 347728  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.4 27.6  
 265 22.0 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 2.874 ng m

RT: 15.004 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

Instrument :

BNA\_F

ClientSampleId :

TR-4-080323

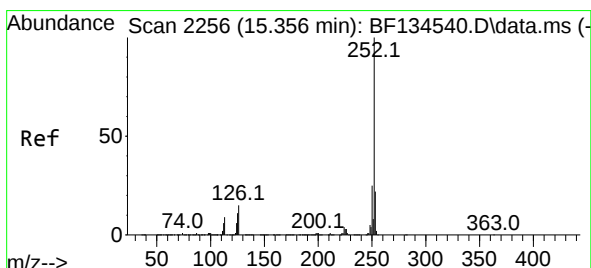
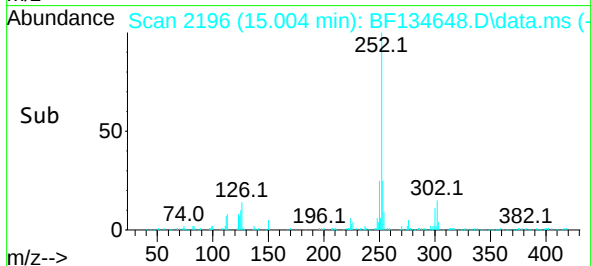
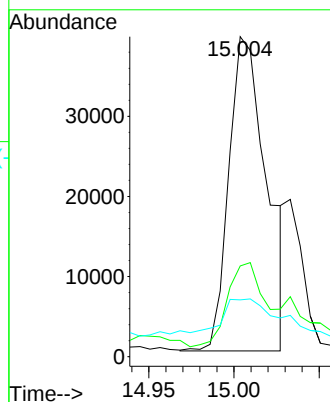
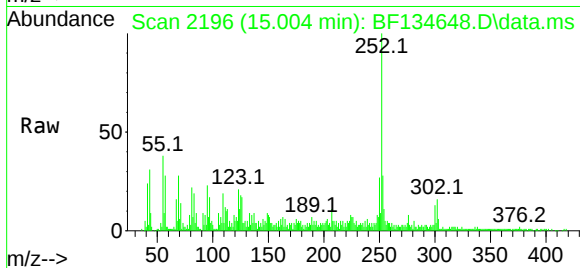
Tgt Ion:252 Resp: 60960  
 Ion Ratio Lower Upper  
 252 100  
 253 28.4 17.3 25.9  
 125 17.7 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#90

Benzo(a)pyrene

Concen: 2.245 ng

RT: 15.368 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF134648.D

Acq: 07 Aug 2023 11:55

Tgt Ion:252 Resp: 44395  
 Ion Ratio Lower Upper  
 252 100  
 253 25.2 17.0 25.4  
 125 18.0 6.2 9.4

