

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\  
 Data File : BM022418.D  
 Acq On : 29 Aug 2019 21:23  
 Operator : HP/JU  
 Sample : K4567-24  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-8-GW

Quant Time: Aug 30 07:53:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 16:51:32 2019  
 Response via : Initial Calibration

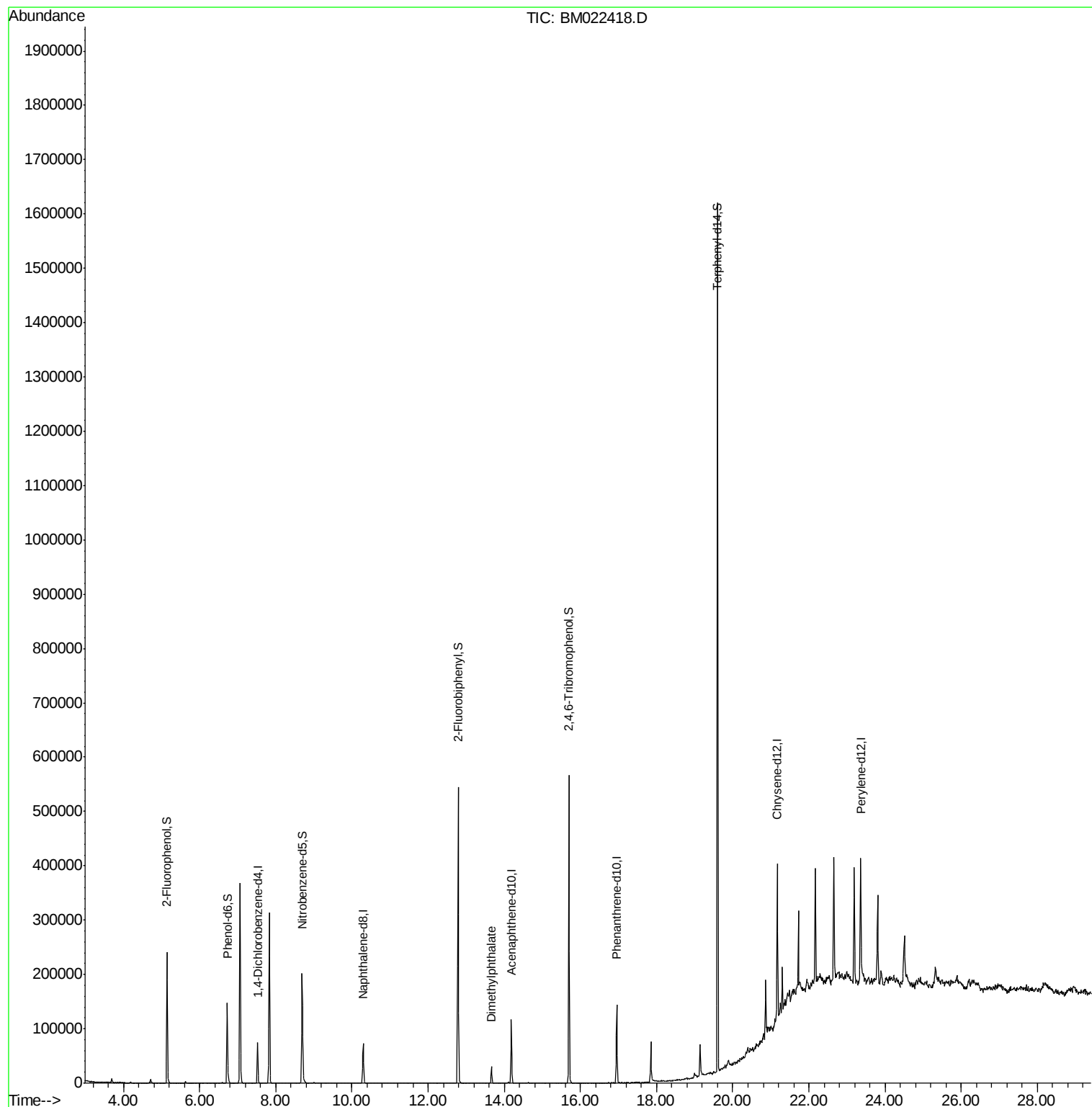
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.52  | 152  | 17380    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.30 | 136  | 60280    | 20.00  | ng    | 0.00         |
| 39) Acenaphthene-d10        | 14.19 | 164  | 37225    | 20.00  | ng    | 0.00         |
| 64) Phenanthrene-d10        | 16.96 | 188  | 84504    | 20.00  | ng    | 0.00         |
| 76) Chrysene-d12            | 21.17 | 240  | 124577   | 20.00  | ng    | 0.00         |
| 87) Perylene-d12            | 23.36 | 264  | 153508   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.15  | 112  | 81949    | 82.77  | ng    | 0.00         |
| 7) Phenol-d6                | 6.72  | 99   | 70532    | 53.27  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 8.69  | 82   | 116541   | 84.68  | ng    | 0.00         |
| 42) 2,4,6-Tribromophenol    | 15.70 | 330  | 88525    | 116.22 | ng    | 0.00         |
| 45) 2-Fluorobiphenyl        | 12.79 | 172  | 251161   | 76.43  | ng    | 0.00         |
| 79) Terphenyl-d14           | 19.60 | 244  | 635272   | 67.30  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 50) Dimethylphthalate       | 13.67 | 163  | 21023    | 6.493  | ng    | Qvalue<br>97 |

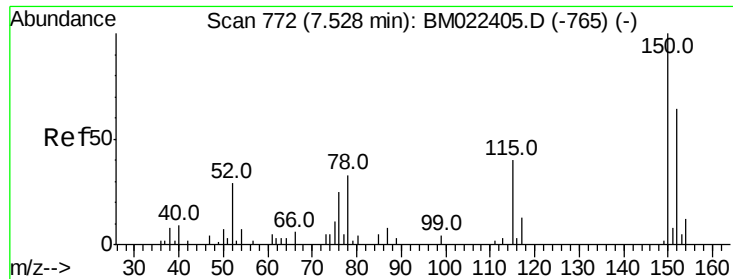
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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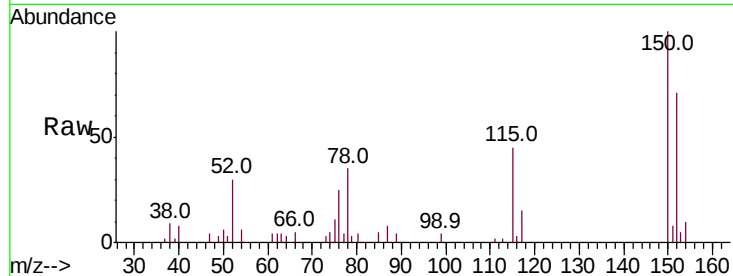


#1

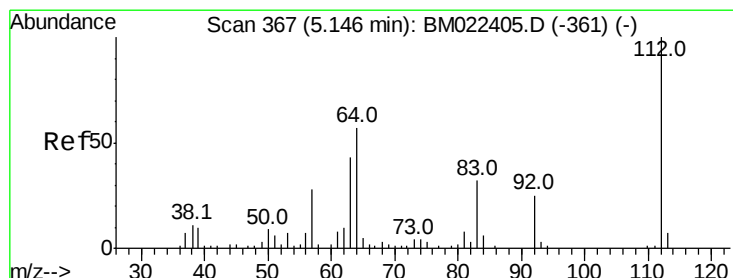
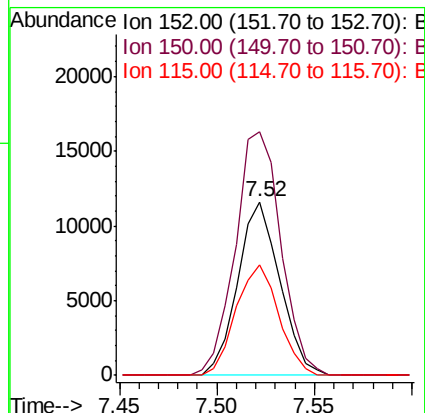
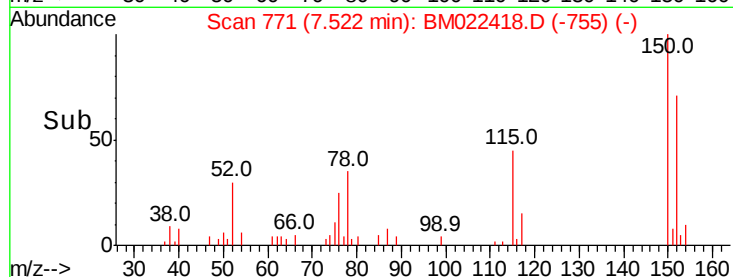
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.52 min Scan# 771  
 Delta R.T. -0.01 min  
 Lab File: BM022418.D  
 Acq: 29 Aug 2019 21:23

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-8-GW

Tot Ion:152 Resp: 17380  
 Ion Ratio Lower Upper  
 152 100  
 150 140.5 125.4 188.0  
 115 63.6 50.3 75.5



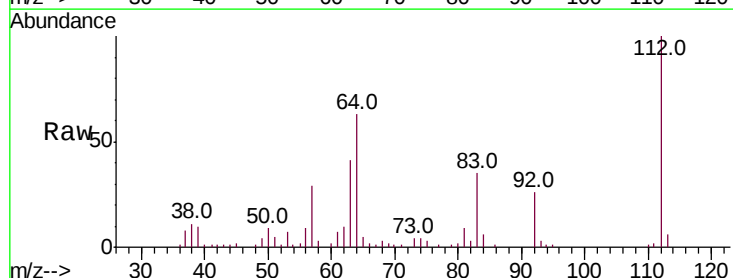
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



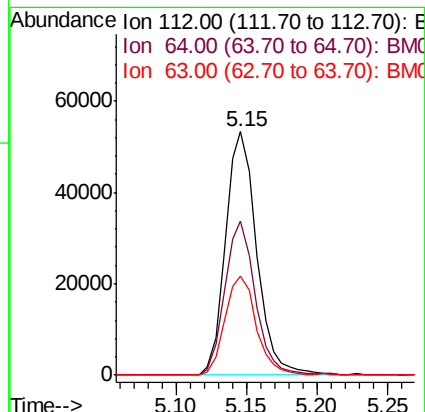
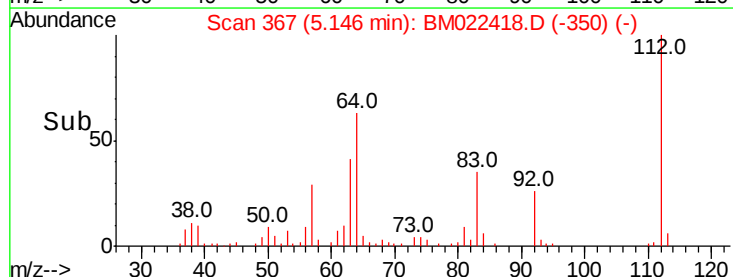
#5

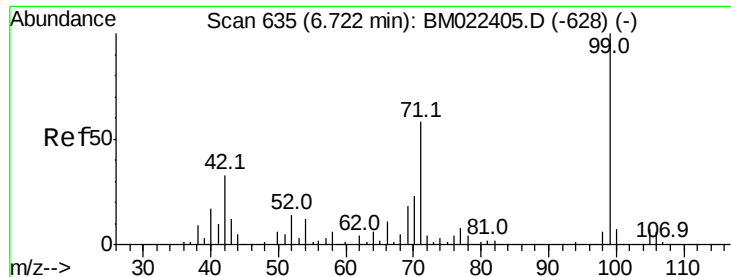
2-Fluorophenol  
 Concen: 82.766 ng  
 RT: 5.15 min Scan# 367  
 Delta R.T. -0.00 min  
 Lab File: BM022418.D  
 Acq: 29 Aug 2019 21:23

Tgt Ion:112 Resp: 81949  
 Ion Ratio Lower Upper  
 112 100  
 64 63.4 45.4 68.2  
 63 40.6 34.5 51.7



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BM0  
 Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 53.269 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022418.D

Acq: 29 Aug 2019 21:23

Instrument :

BNA\_M

ClientSampleId :

TP-8-GW

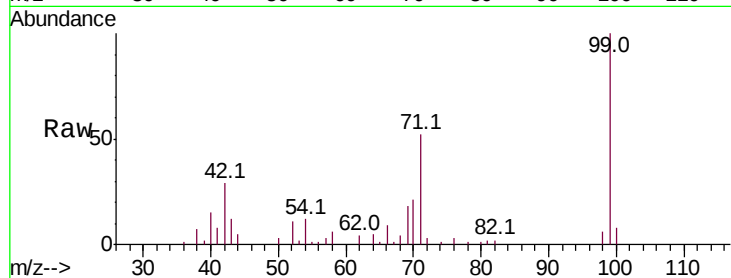
Tot Ion: 99 Resp: 70532

Ion Ratio Lower Upper

99 100

42 29.0 26.3 39.5

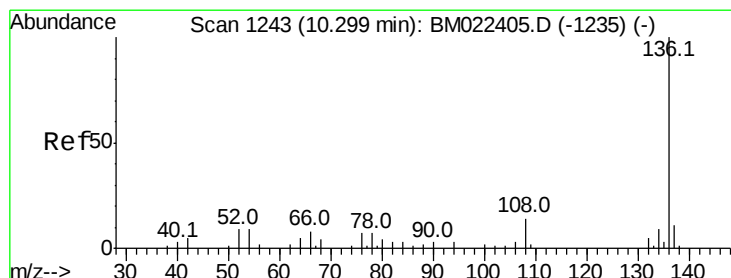
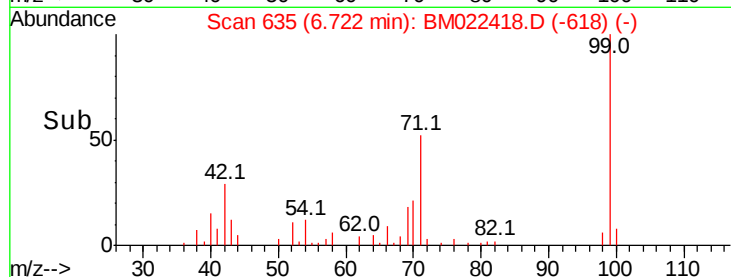
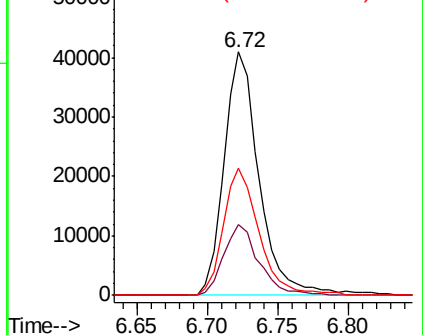
71 52.3 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022405.D (-628) (-)

Ion 42.00 (41.70 to 42.70): BM022405.D (-628) (-)

Ion 71.00 (70.70 to 71.70): BM022405.D (-628) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.30 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BM022418.D

Acq: 29 Aug 2019 21:23

Tgt Ion: 136 Resp: 60280

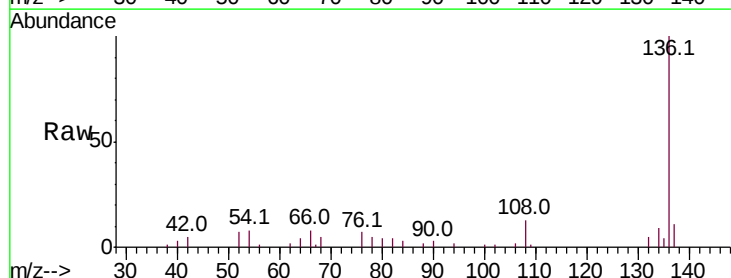
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 7.6 7.0 10.6

68 4.7 2.9 4.3#

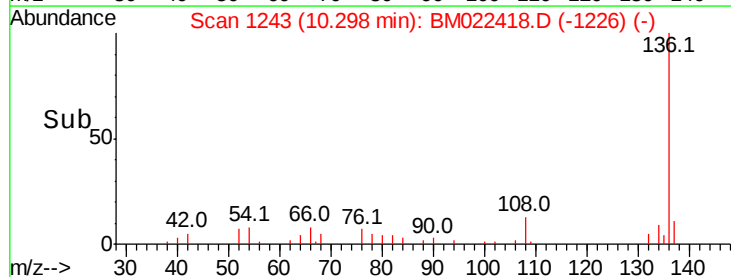
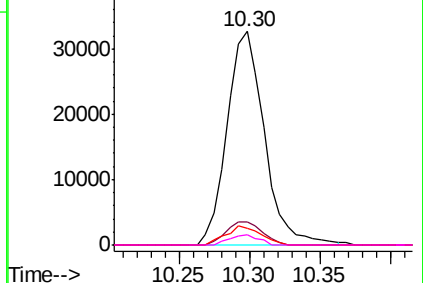


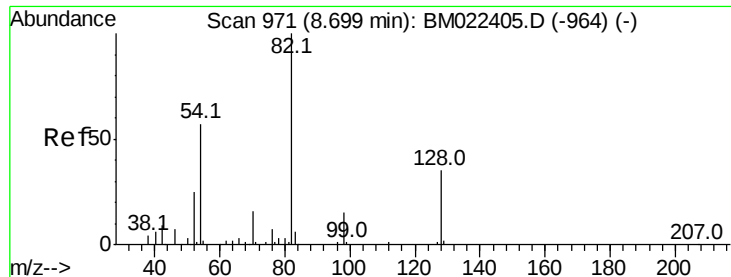
Abundance Ion 136.00 (135.70 to 136.70): BM022405.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM022405.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM022405.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM022405.D (-1235) (-)





#23

Nitrobenzene-d5

Concen: 84.681 ng

RT: 8.69 min Scan# 970

Delta R.T. -0.01 min

Lab File: BM022418.D

Acq: 29 Aug 2019 21:23

Instrument :

BNA\_M

ClientSampleId :

TP-8-GW

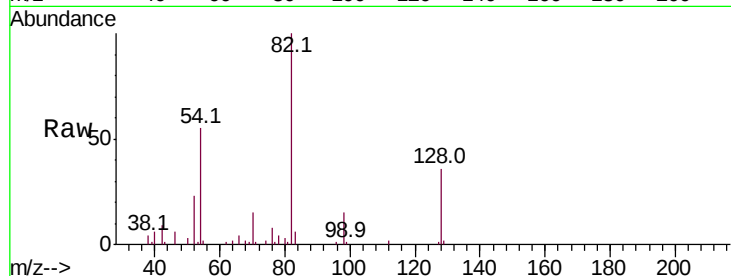
Tot Ion: 82 Resp: 116541

Ion Ratio Lower Upper

82 100

128 36.2 27.9 41.9

54 55.3 45.2 67.8

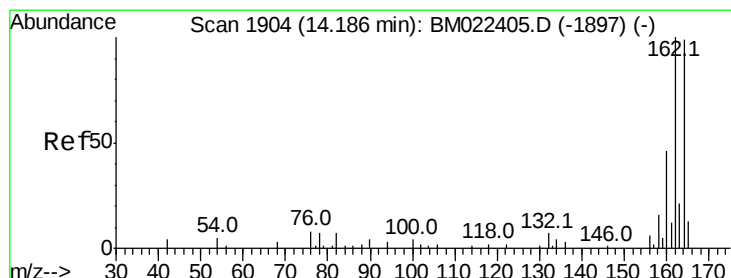
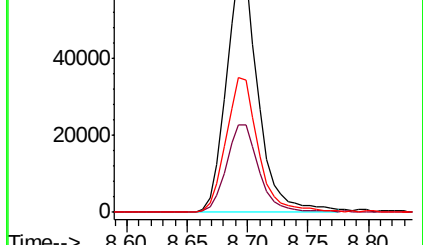
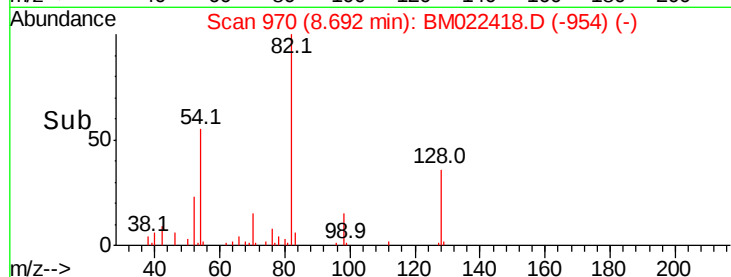


Abundance Ion 82.00 (81.70 to 82.70): BM022405.D (-964) (-)

Ion 128.00 (127.70 to 128.70): BM022405.D (-964) (-)

Ion 54.00 (53.70 to 54.70): BM022405.D (-964) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.19 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BM022418.D

Acq: 29 Aug 2019 21:23

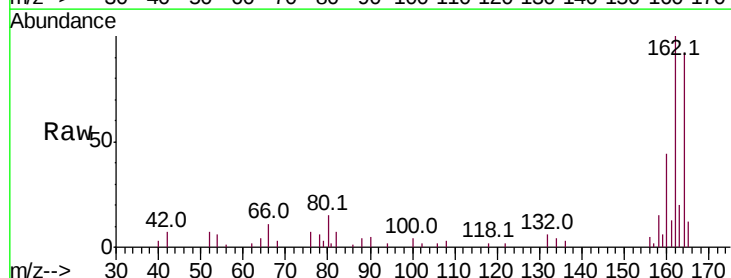
Tgt Ion:164 Resp: 37225

Ion Ratio Lower Upper

164 100

162 108.5 80.6 121.0

160 47.8 37.3 55.9

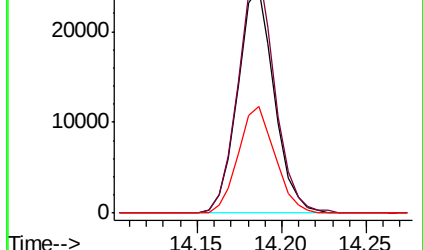
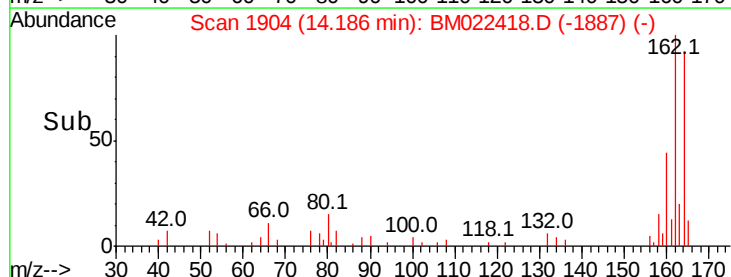


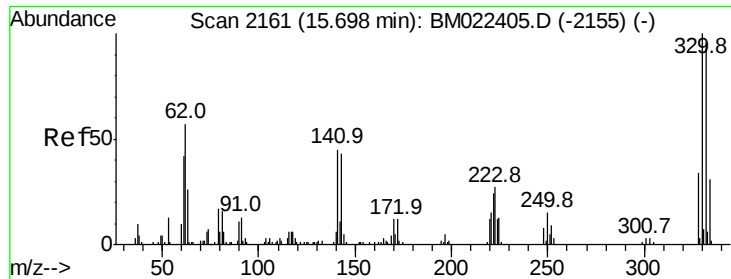
Abundance Ion 164.00 (163.70 to 164.70): BM022405.D (-1897) (-)

Ion 162.00 (161.70 to 162.70): BM022405.D (-1897) (-)

Ion 160.00 (159.70 to 160.70): BM022405.D (-1897) (-)

Time-->

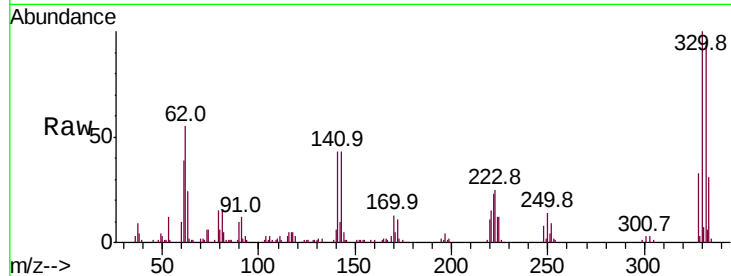




#42  
 2,4,6-Tribromophenol  
 Concen: 116.216 ng  
 RT: 15.70 min Scan# 2161  
 Delta R.T. -0.00 min  
 Lab File: BM022418.D  
 Acq: 29 Aug 2019 21:23

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-8-GW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.8  | 116.8 |
| 141     | 43.2  | 35.6  | 53.4  |

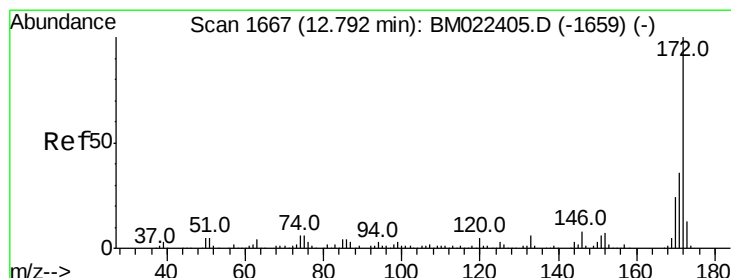
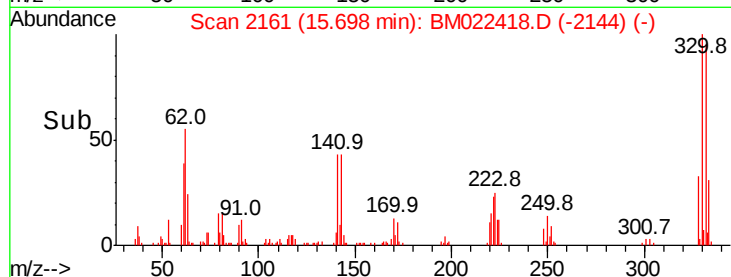
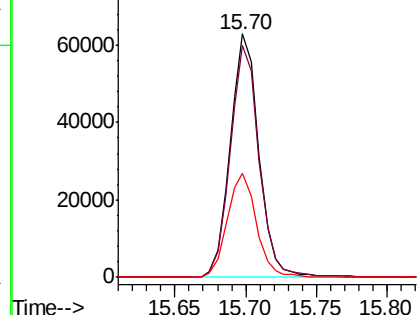


Abundance

Ion 329.80 (329.50 to 330.50): E

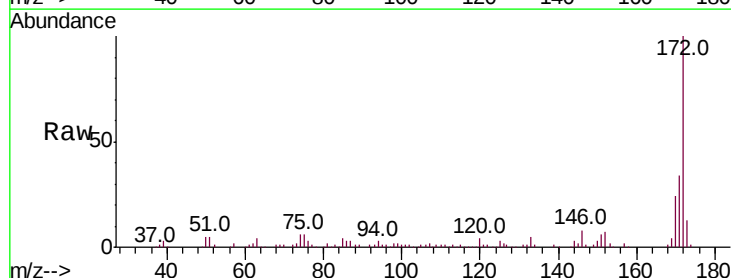
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 76.434 ng  
 RT: 12.79 min Scan# 1666  
 Delta R.T. -0.01 min  
 Lab File: BM022418.D  
 Acq: 29 Aug 2019 21:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.1  | 28.5  | 42.7  |
| 170     | 23.6  | 18.9  | 28.3  |

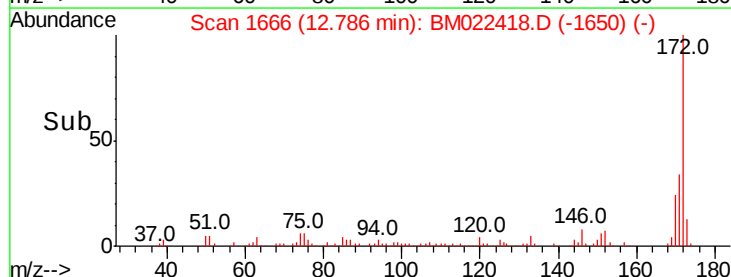
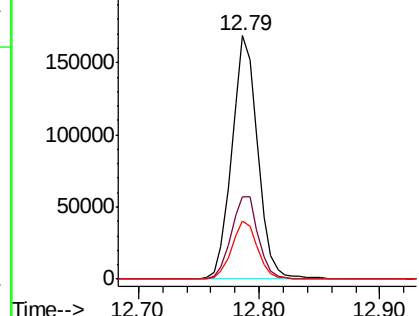


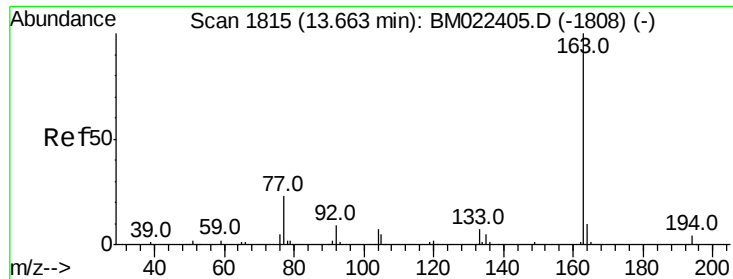
Abundance

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





#50

Dimethylphthalate

Concen: 6.493 ng

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BM022418.D

Acq: 29 Aug 2019 21:23

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ClientSampleId :

TP-8-GW

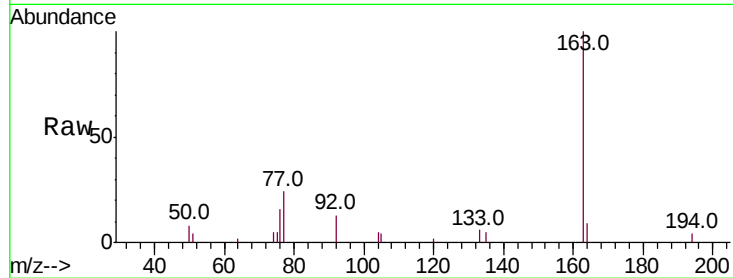
Tot Ion:163 Resp: 21023

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

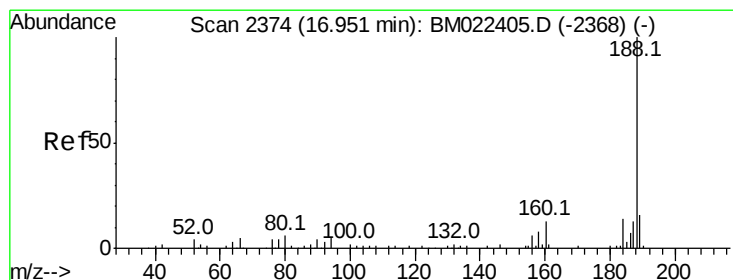
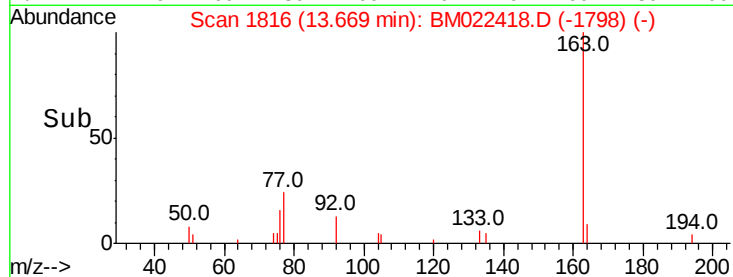
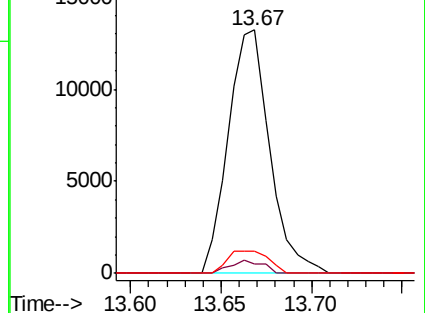
164 9.0 8.2 12.2



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.96 min Scan# 2375

Delta R.T. 0.01 min

Lab File: BM022418.D

Acq: 29 Aug 2019 21:23

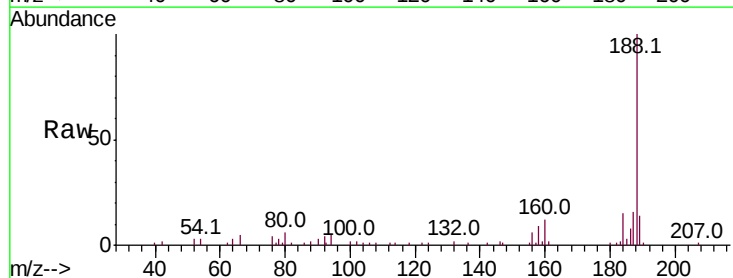
Tgt Ion:188 Resp: 84504

Ion Ratio Lower Upper

188 100

94 5.4 4.4 6.6

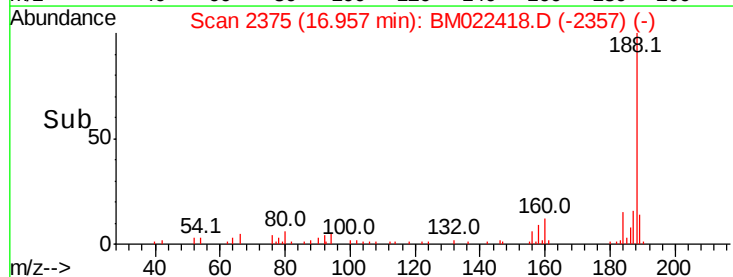
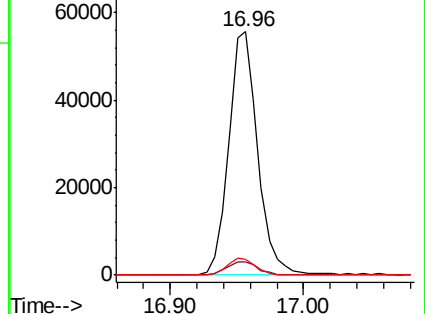
80 6.2 5.0 7.6

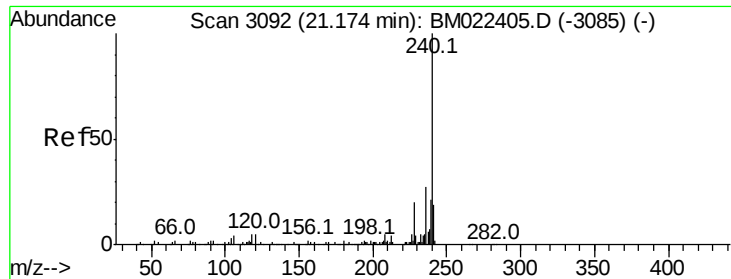


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

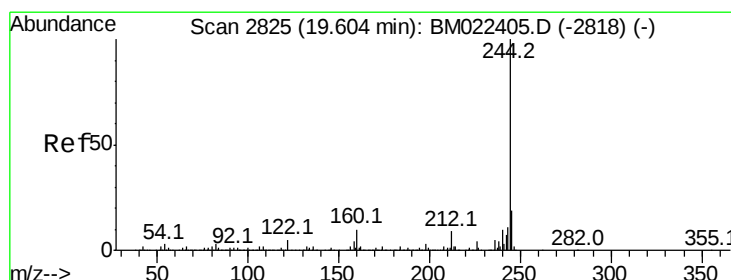
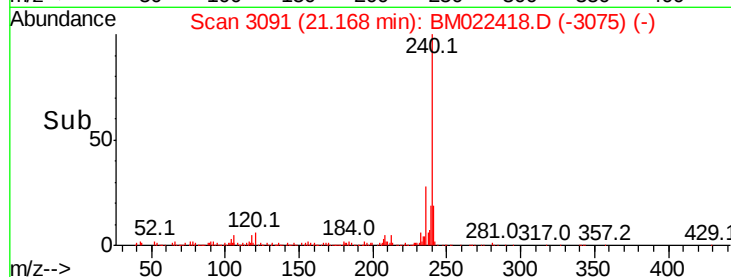
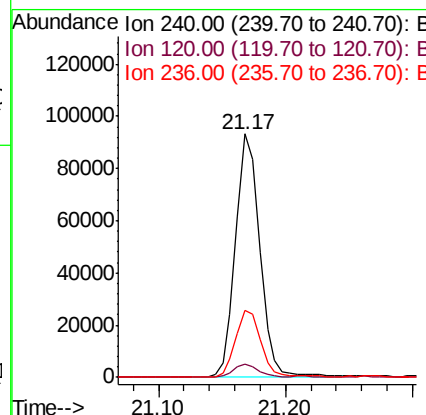
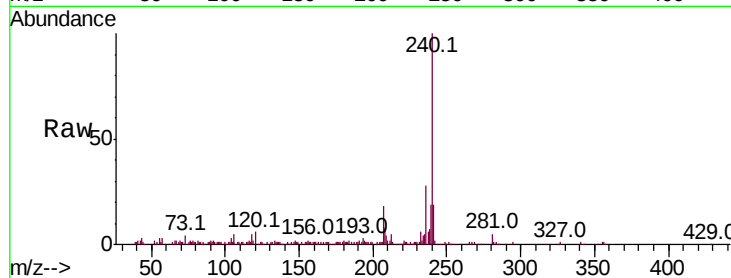




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.17 min Scan# 3091  
Delta R.T. -0.01 min  
Lab File: BM022418.D  
Acq: 29 Aug 2019 21:23

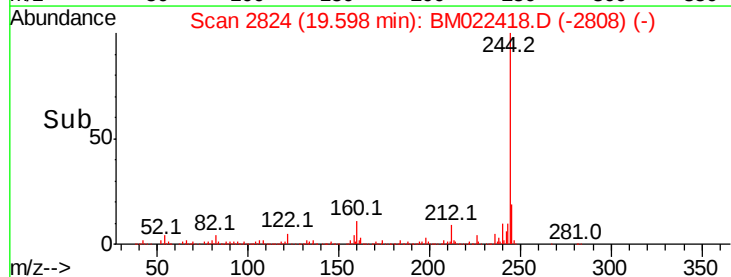
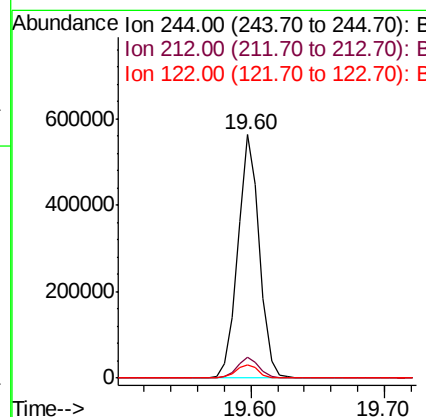
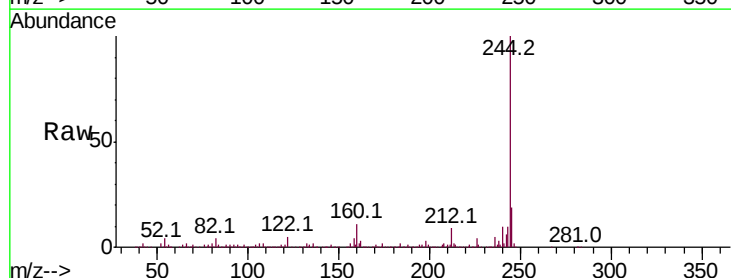
Instrument :  
BNA\_M  
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TP-8-GW

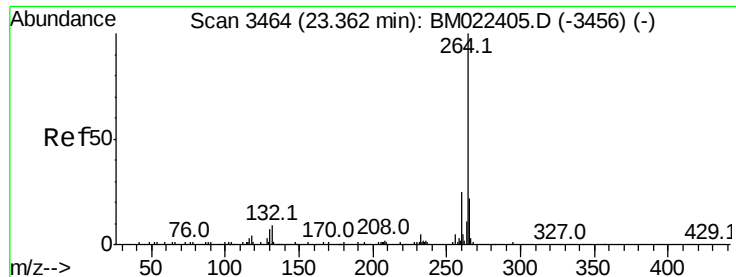
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.5   | 3.9   | 5.9   |
| 236     | 27.7  | 21.4  | 32.2  |



#79  
Terphenyl-d14  
Concen: 67.300 ng  
RT: 19.60 min Scan# 2824  
Delta R.T. -0.01 min  
Lab File: BM022418.D  
Acq: 29 Aug 2019 21:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.7   | 7.0   | 10.4  |
| 122     | 5.4   | 3.9   | 5.9   |

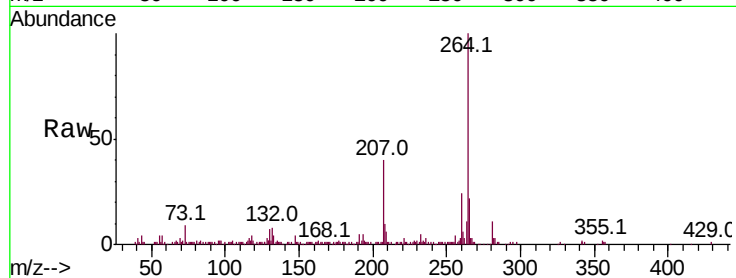




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.36 min Scan# 3463  
Delta R.T. -0.01 min  
Lab File: BM022418.D  
Acq: 29 Aug 2019 21:23

Instrument :  
BNA\_M  
ClientSampleId :  
TP-8-GW

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 20.2  | 30.2  |
| 265     | 22.2  | 18.2  | 27.2  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

