

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101424\  
 Data File : BF139793.D  
 Acq On : 14 Oct 2024 17:27  
 Operator : RC/JU  
 Sample : P4375-01RE  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-PADS-1

Quant Time: Oct 14 17:49:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 02 04:58:47 2024  
 Response via : Initial Calibration

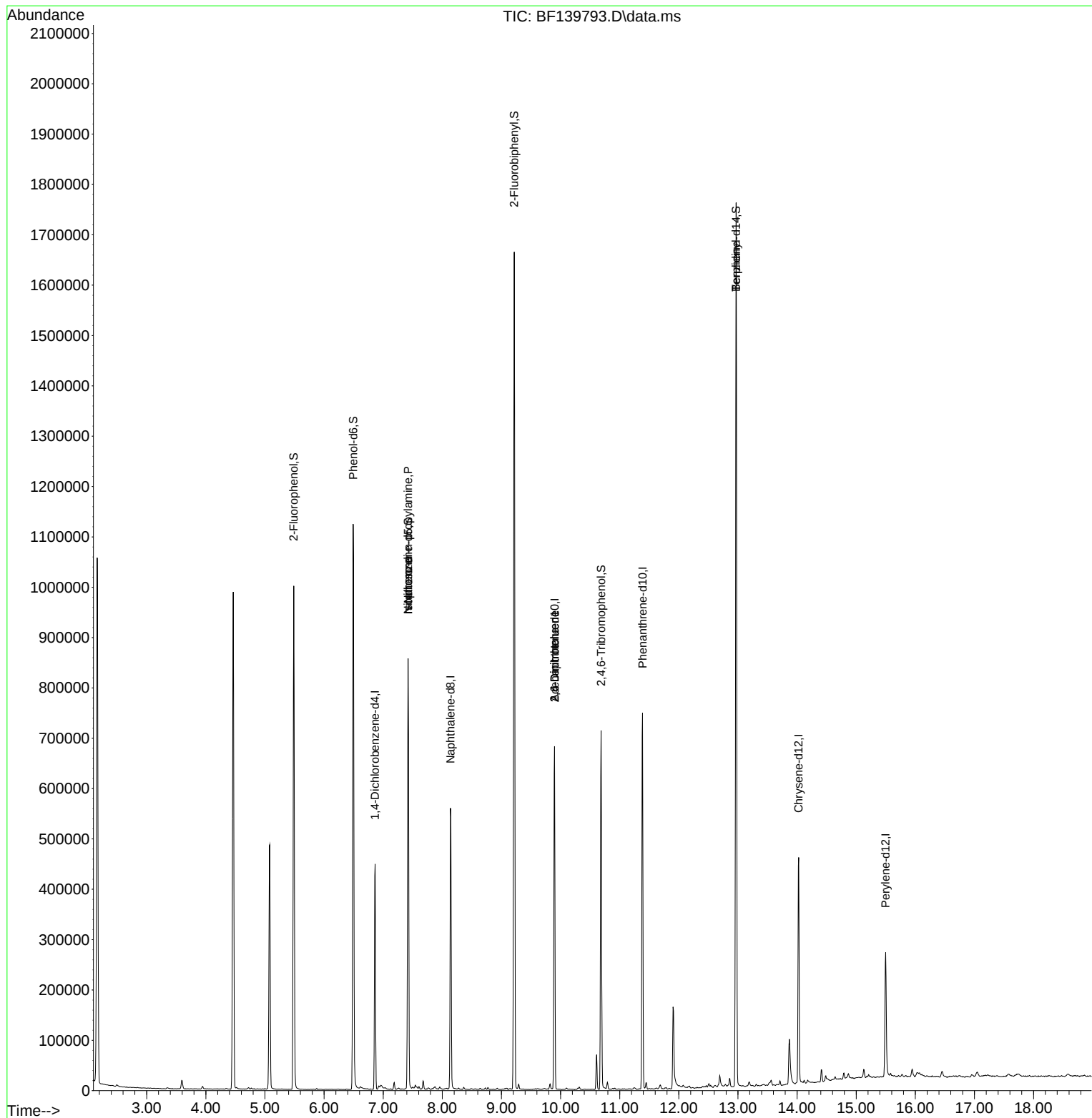
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 91466    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.139  | 136  | 354073   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.898  | 164  | 204434   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.386 | 188  | 401940   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 221939   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 157006   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 350911   | 66.496 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.492  | 99   | 514861   | 72.550 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 367524   | 52.554 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.686 | 330  | 108919   | 55.191 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 722180   | 54.232 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.968 | 244  | 848793   | 62.753 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.422  | 70   | 50510    | 11.071 | ng    | # 75     |
| 25) Isophorone                | 7.422  | 82   | 364508   | 29.346 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 26430    | 8.743  | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 26430    | 6.689  | ng    | # 17     |
| 77) Benzidine                 | 12.968 | 184  | 11542    | 2.948  | ng    | # 91     |
| -----                         |        |      |          |        |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101424\  
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Sample : P4375-01RE  
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Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-1

Quant Time: Oct 14 17:49:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 02 04:58:47 2024  
Response via : Initial Calibration

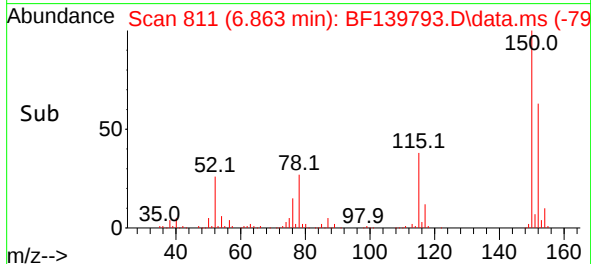
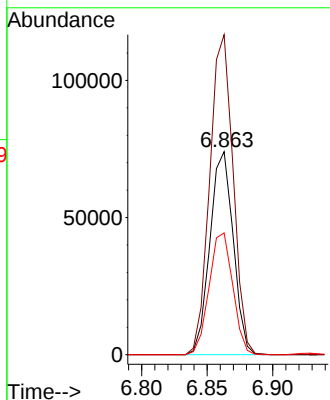
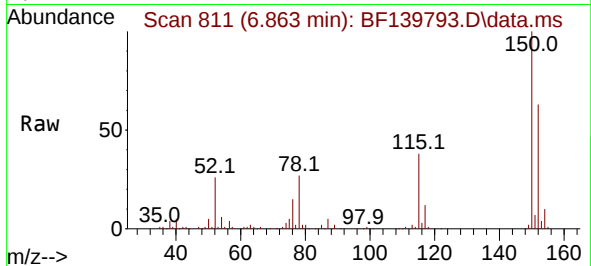




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 812  
Delta R.T. -0.006 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

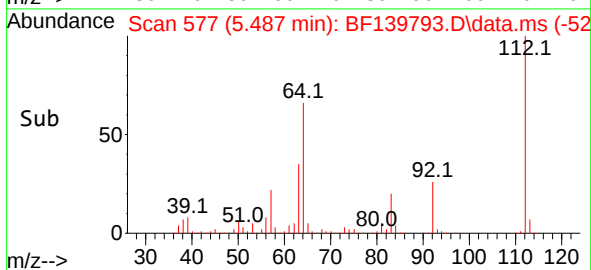
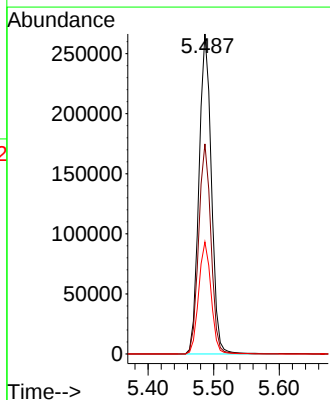
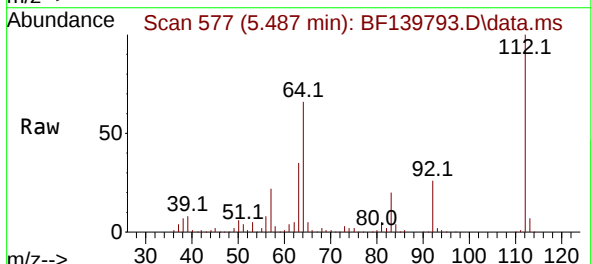
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-1

Tgt Ion:152 Resp: 91466  
Ion Ratio Lower Upper  
152 100  
150 157.7 127.2 190.8  
115 60.0 49.0 73.4



#5  
2-Fluorophenol  
Concen: 66.496 ng  
RT: 5.487 min Scan# 577  
Delta R.T. -0.000 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

Tgt Ion:112 Resp: 350911  
Ion Ratio Lower Upper  
112 100  
64 65.6 54.2 81.4  
63 35.0 29.4 44.2

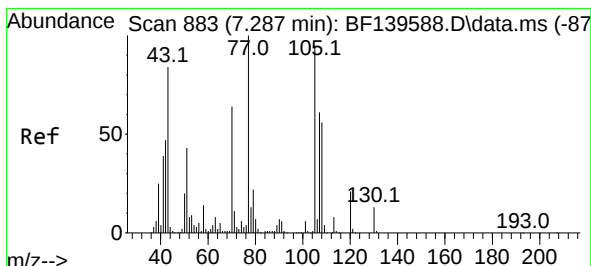
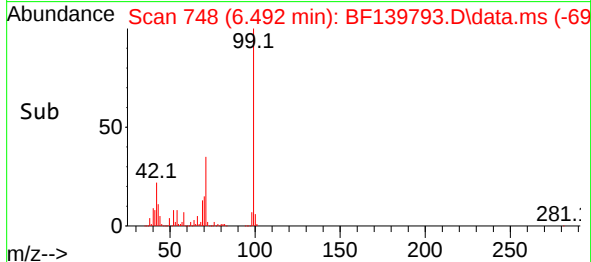
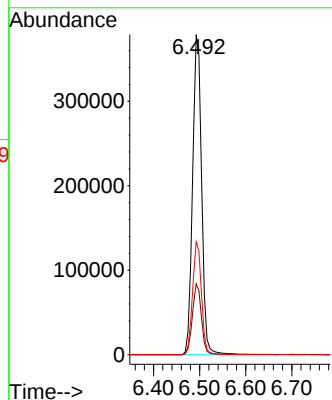
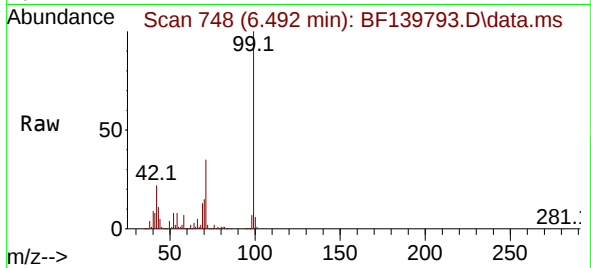




#7  
Phenol-d6  
Concen: 72.550 ng  
RT: 6.492 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

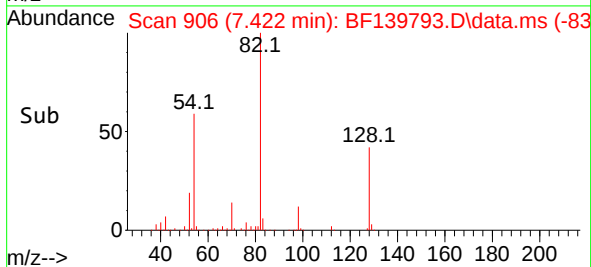
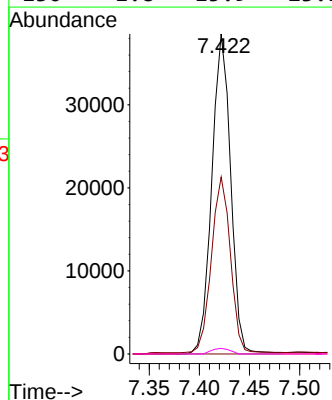
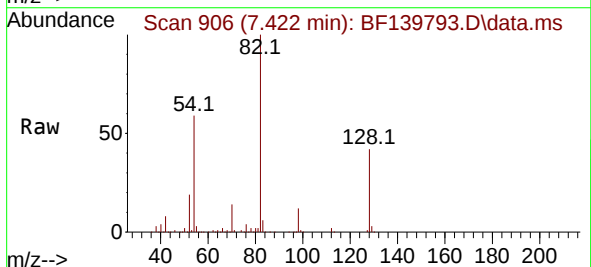
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-1

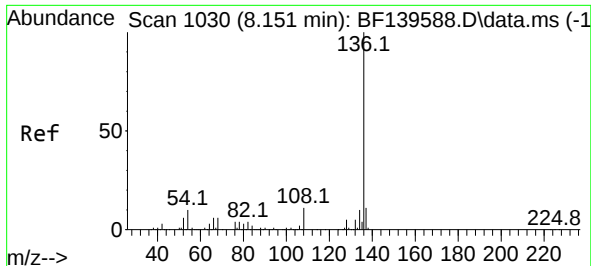
Tgt Ion: 99 Resp: 514861  
Ion Ratio Lower Upper  
99 100  
42 22.2 19.1 28.7  
71 35.3 29.7 44.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.071 ng  
RT: 7.422 min Scan# 906  
Delta R.T. 0.135 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

Tgt Ion: 70 Resp: 50510  
Ion Ratio Lower Upper  
70 100  
42 55.3 58.0 87.0#  
101 0.0 7.8 11.8#  
130 1.8 15.9 23.9#

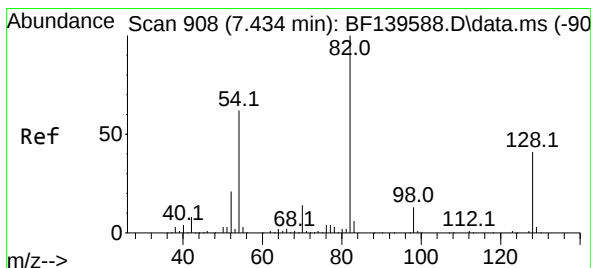
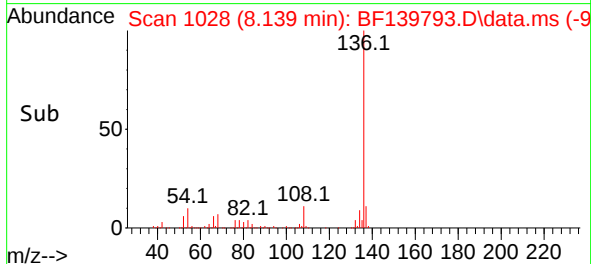
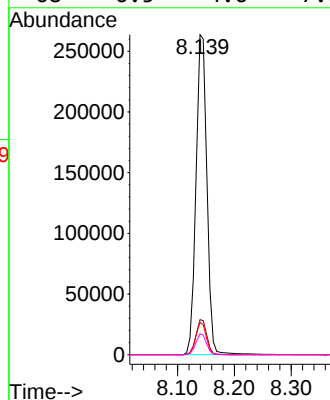
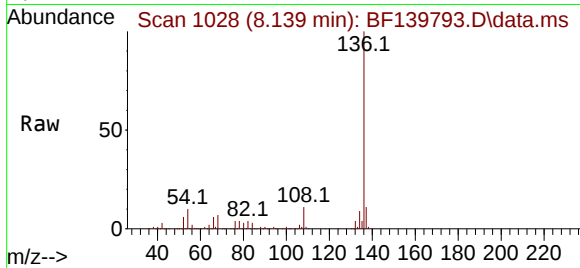




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.139 min Scan# 1030  
Delta R.T. -0.012 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

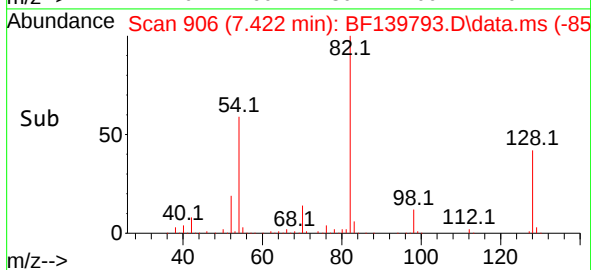
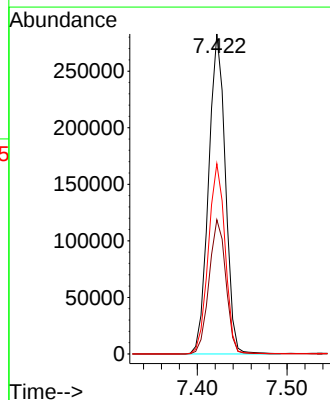
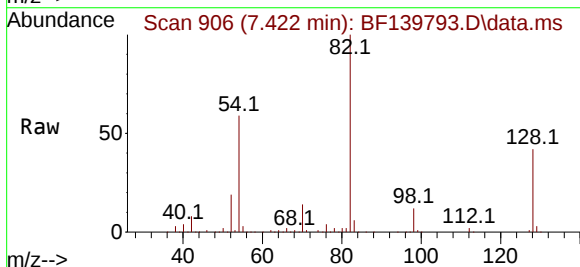
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-1

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 354073 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.6   | 13.0   |
| 54       | 10.1  | 8.3   | 12.5   |
| 68       | 6.5   | 4.6   | 7.0    |



#23  
Nitrobenzene-d5  
Concen: 52.554 ng  
RT: 7.422 min Scan# 906  
Delta R.T. -0.012 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 367524 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.0  | 32.4  | 48.6   |
| 54       | 59.4  | 49.1  | 73.7   |

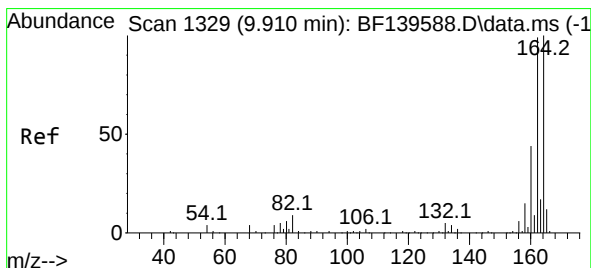
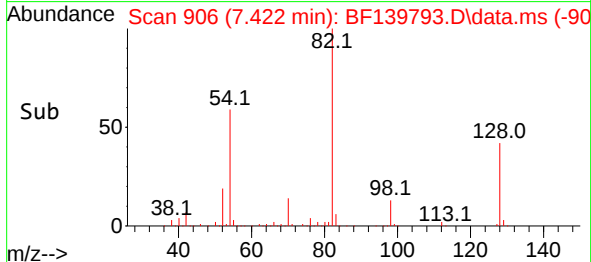
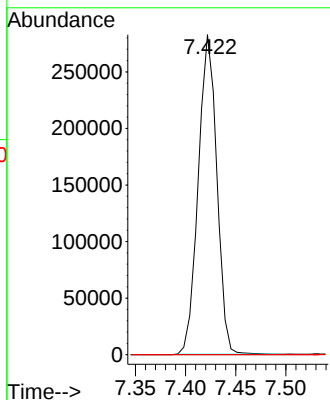
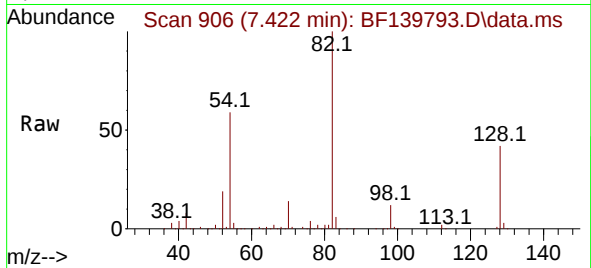




#25  
Isophorone  
Concen: 29.346 ng  
RT: 7.422 min Scan# 90  
Delta R.T. -0.271 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

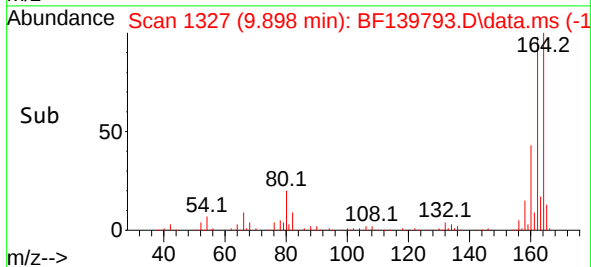
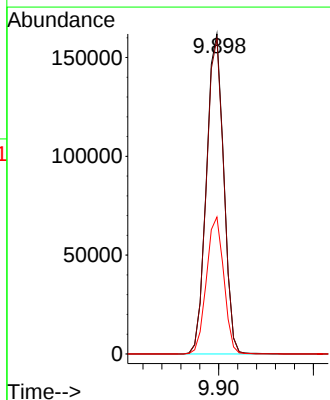
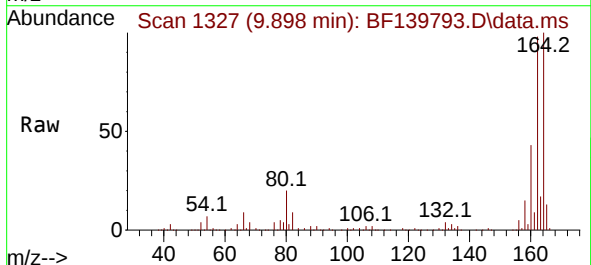
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-1

Tgt Ion: 82 Resp: 364508  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.1 9.1#  
138 0.0 13.4 20.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.012 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

Tgt Ion:164 Resp: 204434  
Ion Ratio Lower Upper  
164 100  
162 98.5 79.4 119.0  
160 42.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 55.191 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139793.D

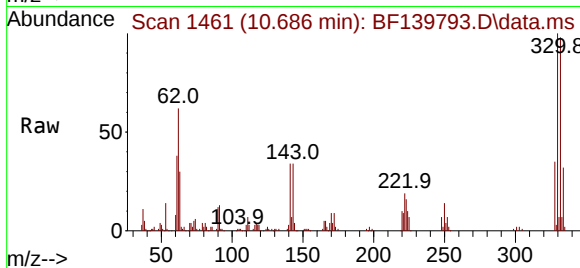
Acq: 14 Oct 2024 17:27

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-PADS-1



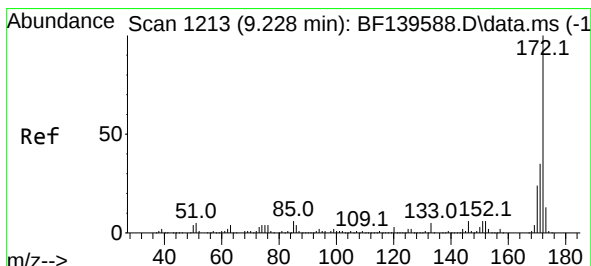
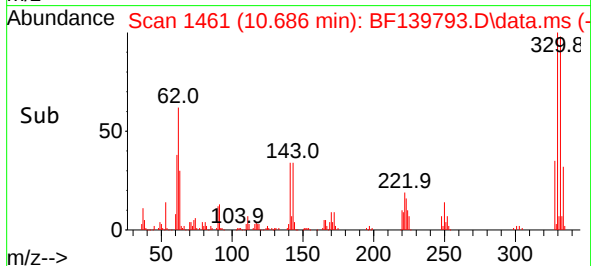
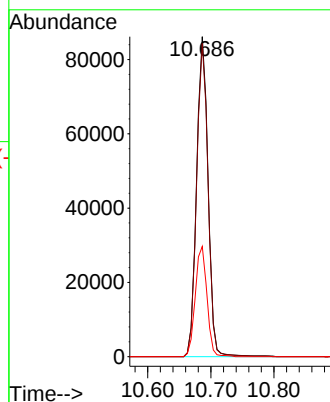
Tgt Ion:330 Resp: 108919

Ion Ratio Lower Upper

330 100

332 97.4 76.5 114.7

141 35.0 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 54.232 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.012 min

Lab File: BF139793.D

Acq: 14 Oct 2024 17:27

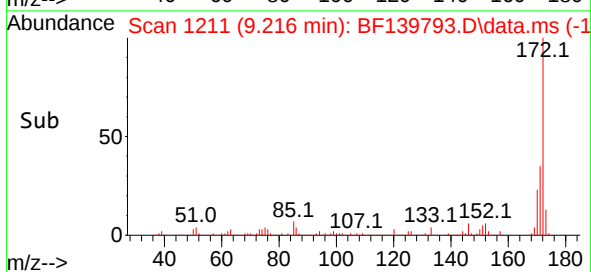
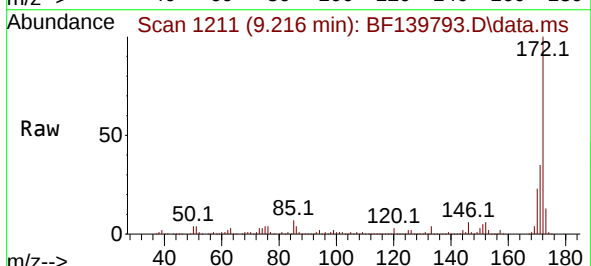
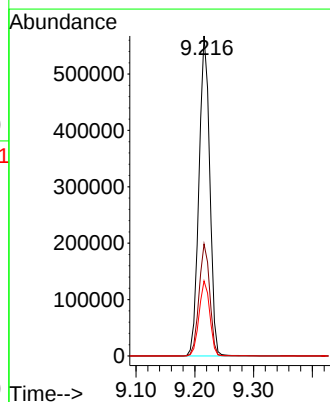
Tgt Ion:172 Resp: 722180

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.5 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.743 ng

RT: 9.898 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF139793.D

Acq: 14 Oct 2024 17:27

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-PADS-1

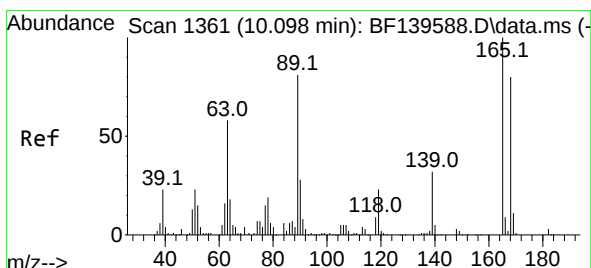
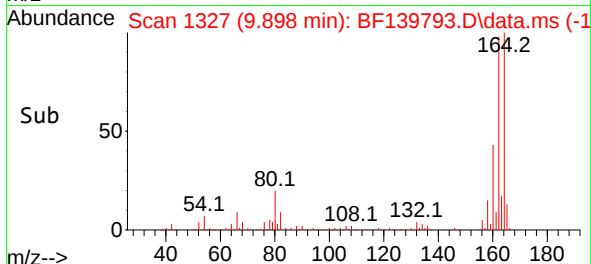
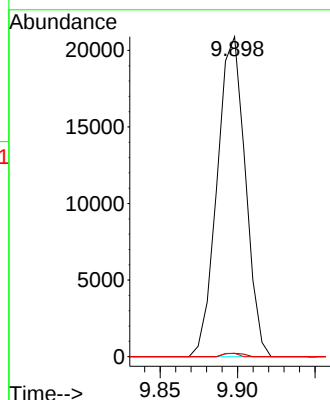
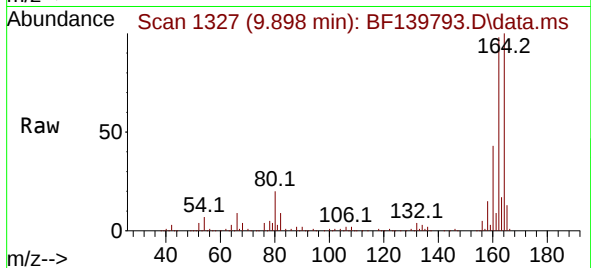
Tgt Ion:165 Resp: 26430

Ion Ratio Lower Upper

165 100

63 1.1 56.7 85.1#

89 1.1 51.6 77.4#



#57

2,4-Dinitrotoluene

Concen: 6.689 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.200 min

Lab File: BF139793.D

Acq: 14 Oct 2024 17:27

Tgt Ion:165 Resp: 26430

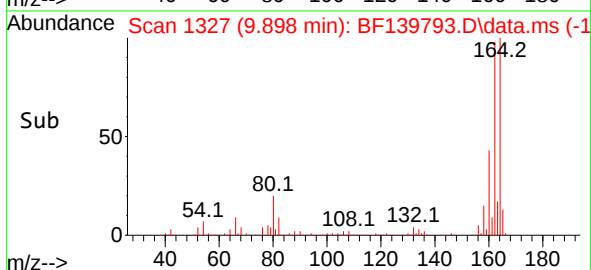
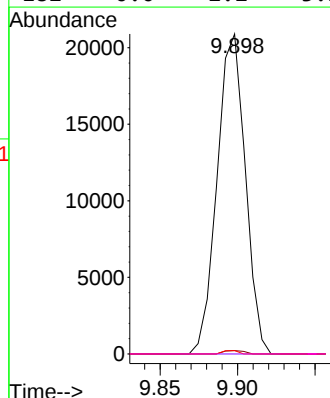
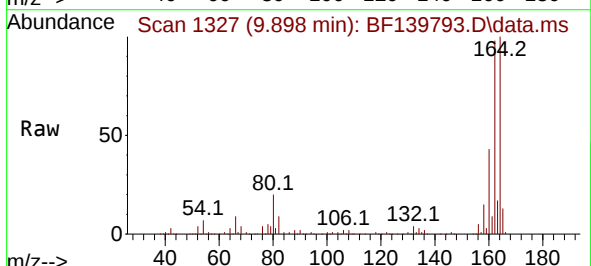
Ion Ratio Lower Upper

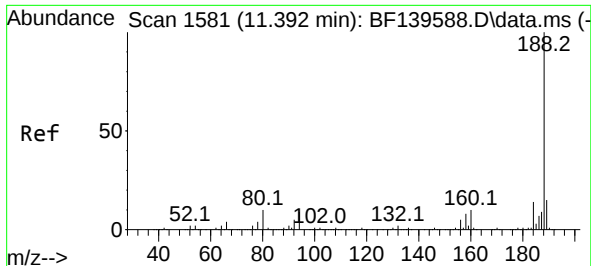
165 100

63 1.1 46.9 70.3#

89 1.1 64.4 96.6#

182 0.0 2.2 3.2#

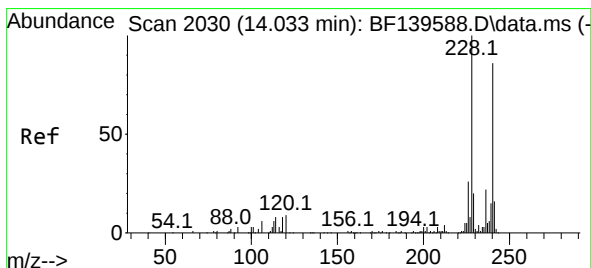
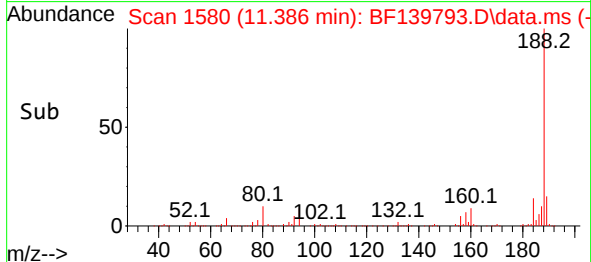
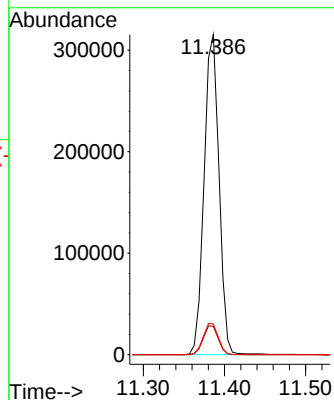
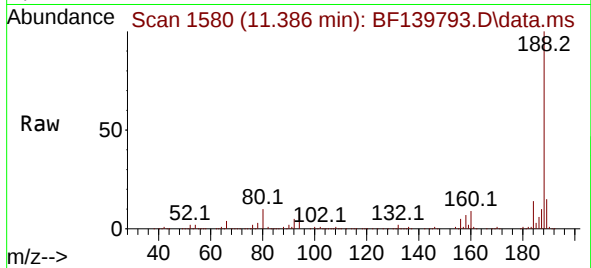




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.386 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

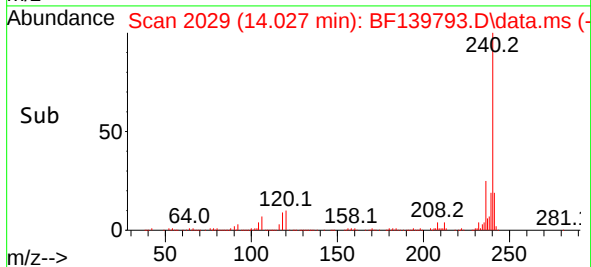
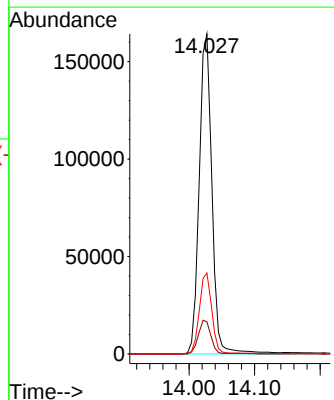
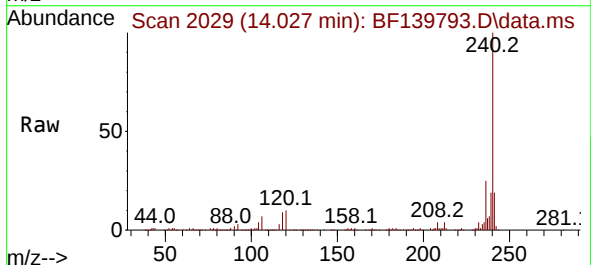
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-1

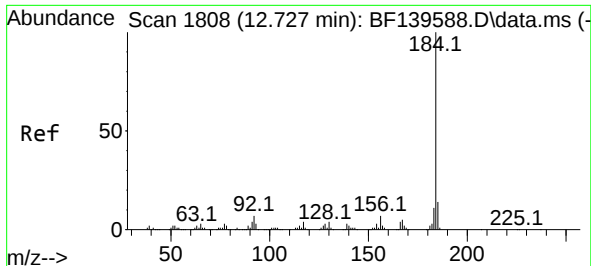
Tgt Ion:188 Resp: 401940  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.4 11.2  
80 9.6 8.2 12.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.027 min Scan# 2029  
Delta R.T. -0.006 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

Tgt Ion:240 Resp: 221939  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.4 12.6  
236 25.3 20.3 30.5

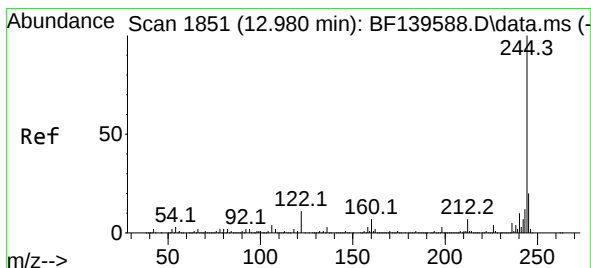
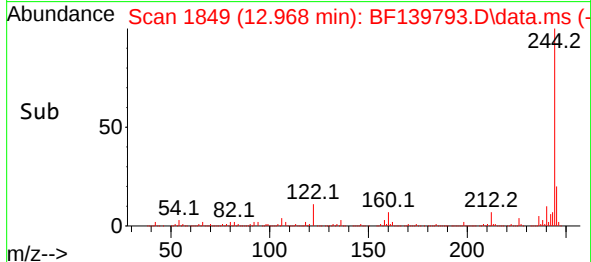
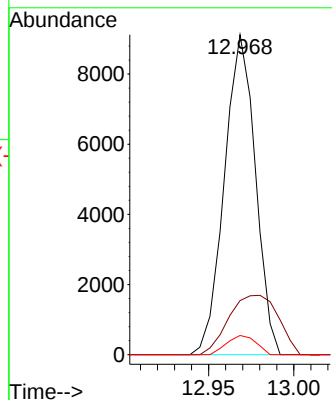
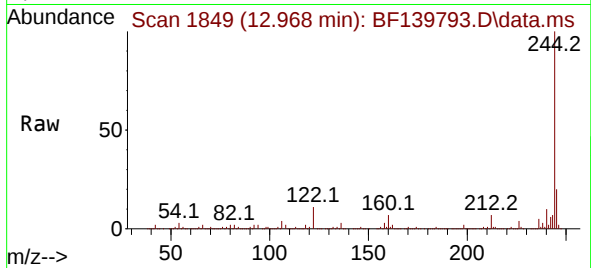




#77  
Benzidine  
Concen: 2.948 ng  
RT: 12.968 min Scan# 1849  
Delta R.T. 0.241 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

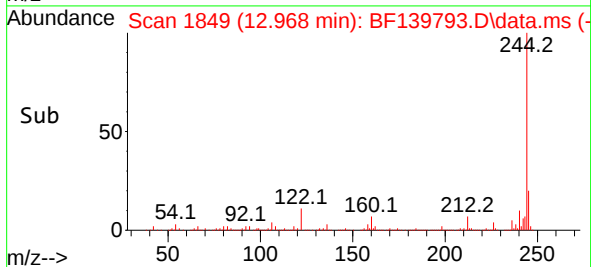
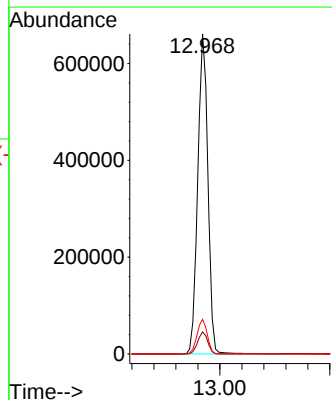
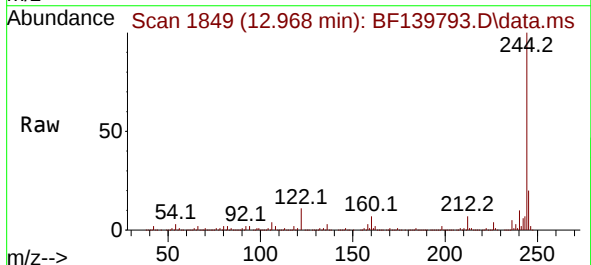
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-1

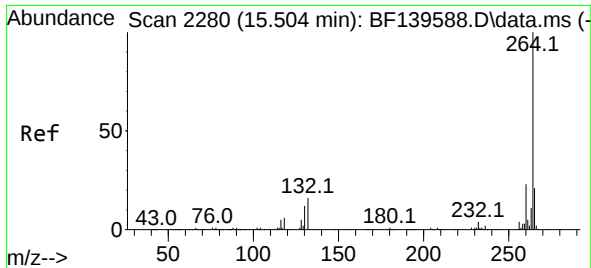
Tgt Ion:184 Resp: 11542  
Ion Ratio Lower Upper  
184 100  
185 16.9 11.4 17.0  
183 6.0 8.8 13.2#



#79  
Terphenyl-d14  
Concen: 62.753 ng  
RT: 12.968 min Scan# 1849  
Delta R.T. -0.012 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

Tgt Ion:244 Resp: 848793  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.8 8.6  
122 10.9 8.6 12.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.498 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF139793.D  
Acq: 14 Oct 2024 17:27

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PADS-1

Tgt Ion:264 Resp: 157006  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.7  | 28.1  |
| 265 | 21.7  | 16.9  | 25.3  |

