

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\  
 Data File : BE099594.D  
 Acq On : 9 May 2019 18:21  
 Operator : JU/SJ  
 Sample : K2707-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-TT-MW201D1-GW-20190502

Quant Time: May 10 07:04:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 09 13:32:58 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 2021     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 6900     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.50 | 164  | 4709     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 13003    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.43 | 240  | 16575    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.97 | 264  | 20061    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.39  | 112  | 557      | 0.10 | ng    | 0.00     |
| 5) Phenol-d6                | 6.99  | 99   | 615      | 0.08 | ng    | 0.01     |
| 8) Nitrobenzene-d5          | 8.98  | 82   | 2071     | 0.32 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 4079     | 0.35 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330  | 53       | 0.02 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 13.12 | 172  | 7222     | 0.40 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.27 | 212  | 57751    | 0.34 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.87 | 244  | 14491    | 0.49 | ng    | 0.00     |

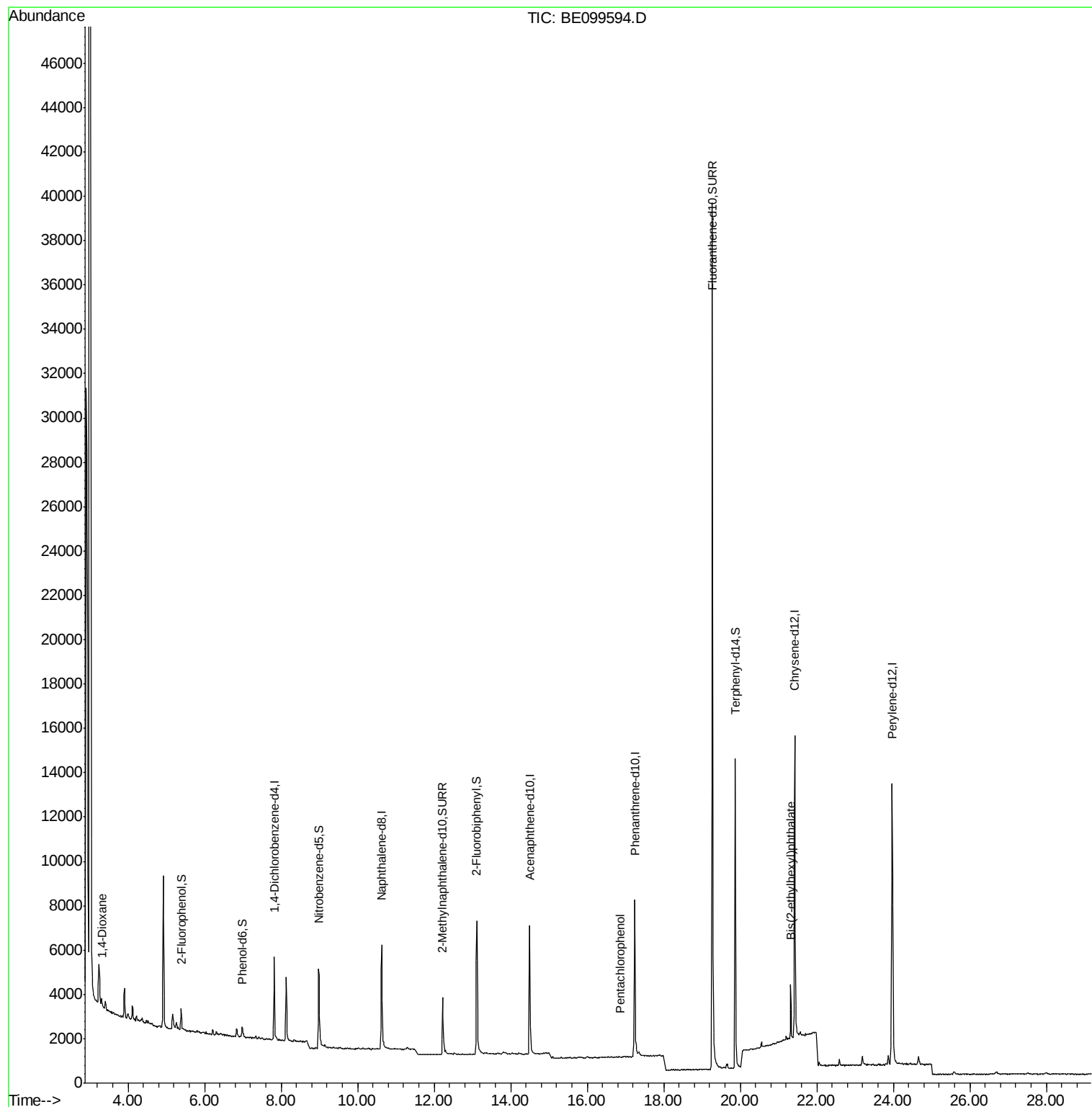
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.31  | 88   | 247      | 0.087 | ng    | # 1    |
| 22) Pentachlorophenol          | 16.87 | 266  | 4        | 0.250 | ng    | # 66   |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 2863     | 0.039 | ng    | # 96   |

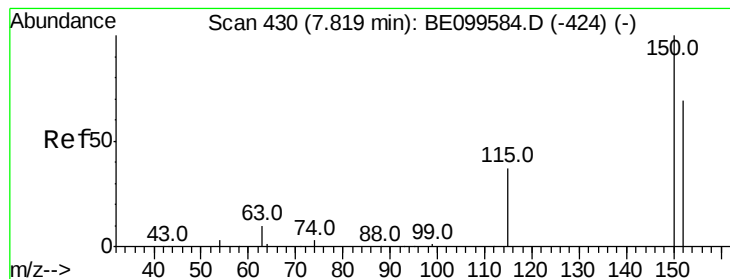
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 13:32:58 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

Instrument :

BNA\_E

ClientSampleId :

BP-TT-MW201D1-GW-20190502

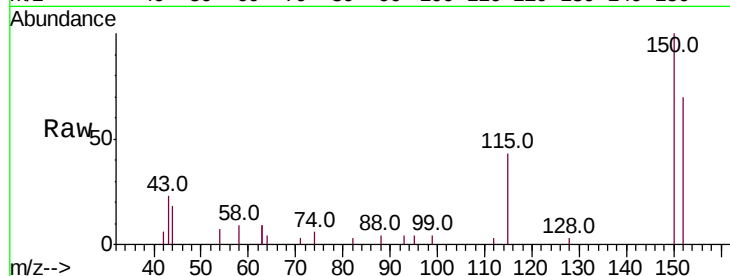
Tot Ion:152 Resp: 2021

Ion Ratio Lower Upper

152 100

150 142.8 114.2 171.4

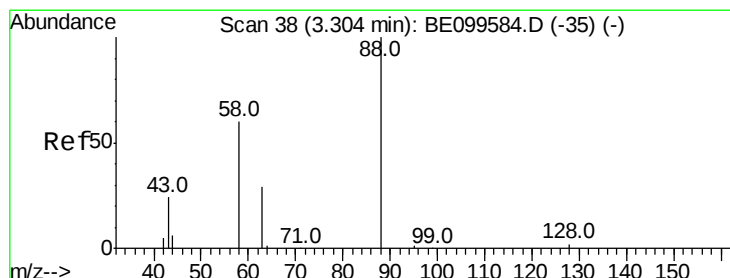
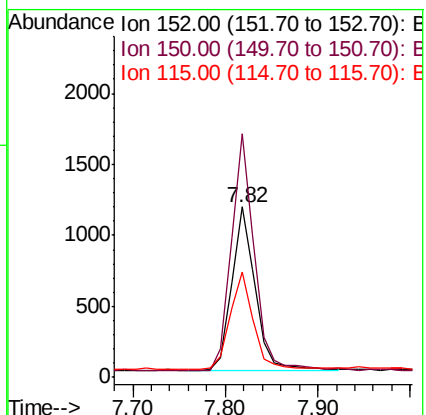
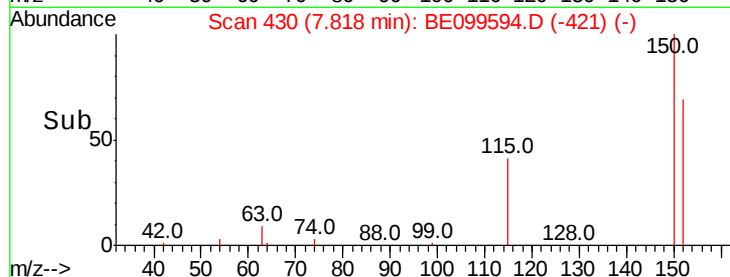
115 62.1 45.4 68.0



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



#2

1,4-Dioxane

Concen: 0.087 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.01 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

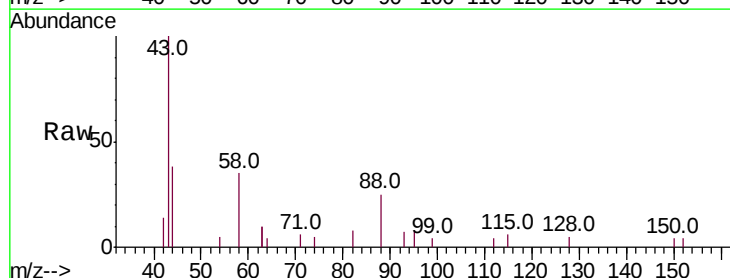
Tgt Ion: 88 Resp: 247

Ion Ratio Lower Upper

88 100

58 76.1 41.3 61.9#

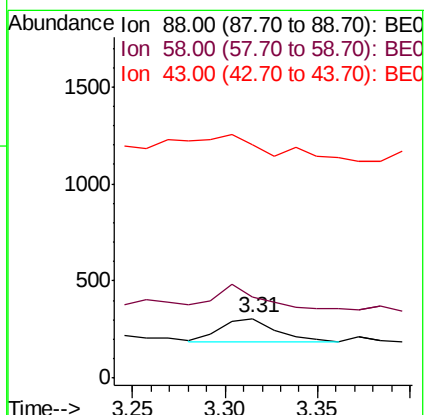
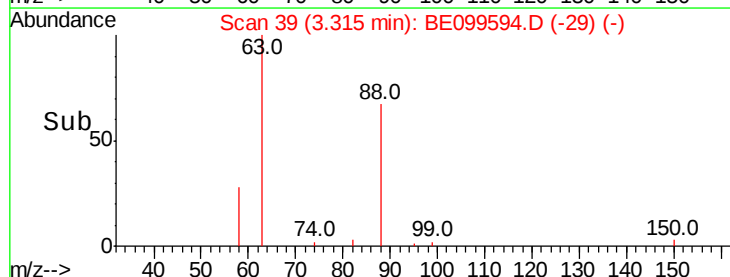
43 143.3 21.0 31.6#

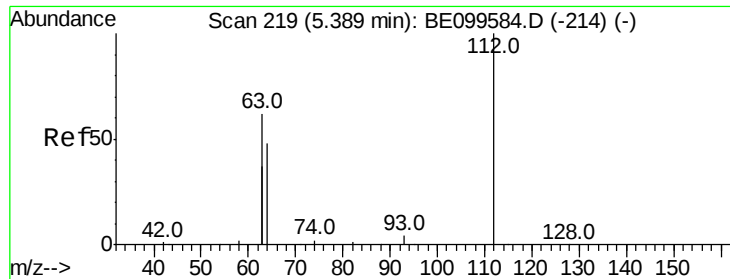


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

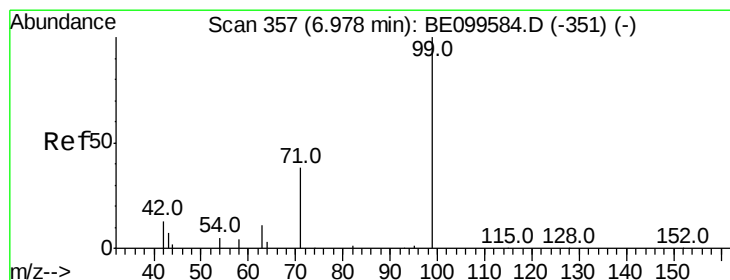
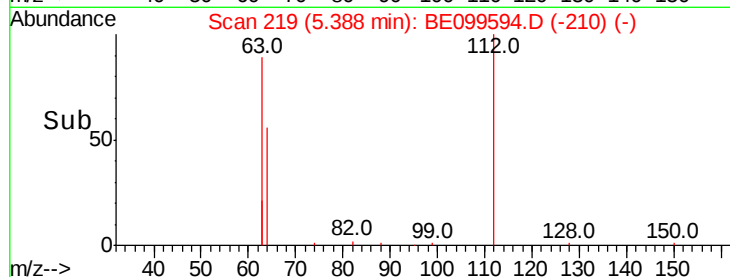
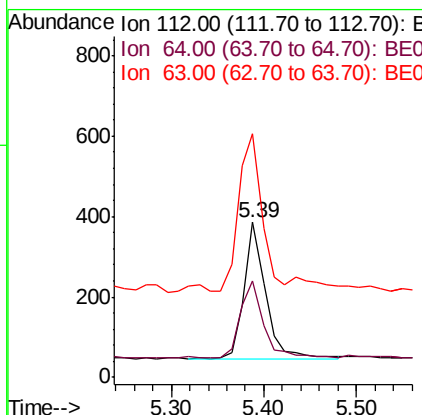
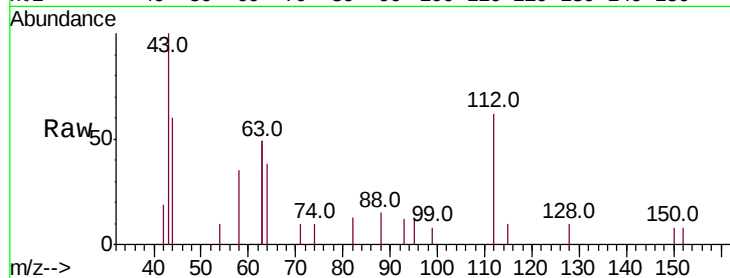




#4  
 2-Fluorophenol  
 Concen: 0.101 ng  
 RT: 5.39 min Scan# 219  
 Delta R.T. -0.00 min  
 Lab File: BE099594.D  
 Acq: 9 May 2019 18:21

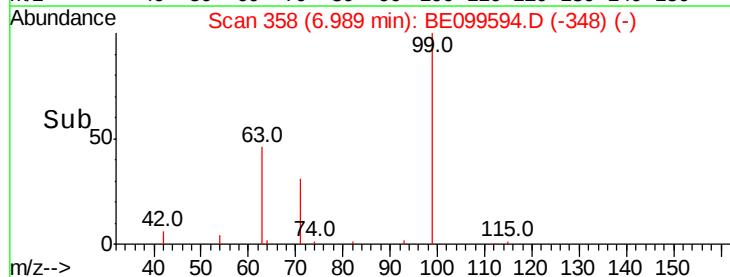
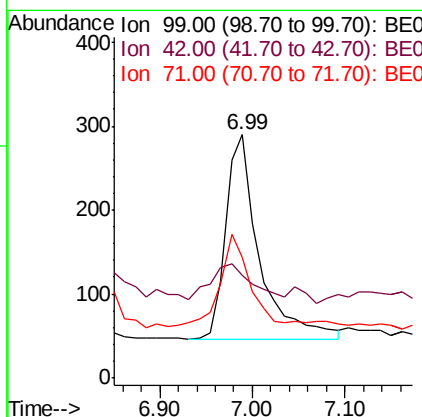
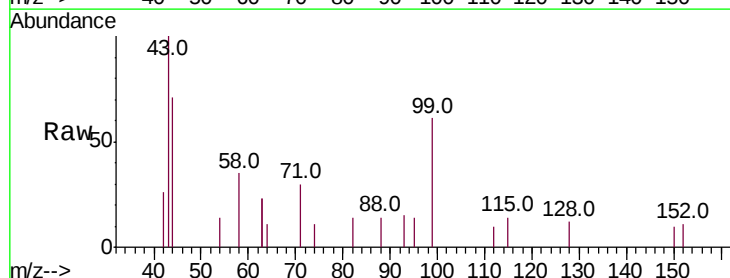
Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-TT-MW201D1-GW-20190502

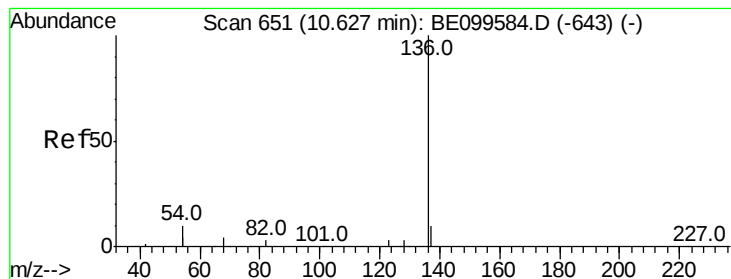
Tot Ion:112 Resp: 557  
 Ion Ratio Lower Upper  
 112 100  
 64 60.0 46.2 69.4  
 63 121.9 100.2 150.4



#5  
 Phenol-d6  
 Concen: 0.085 ng  
 RT: 6.99 min Scan# 358  
 Delta R.T. 0.01 min  
 Lab File: BE099594.D  
 Acq: 9 May 2019 18:21

Tgt Ion: 99 Resp: 615  
 Ion Ratio Lower Upper  
 99 100  
 42 20.8 13.8 20.8#  
 71 39.0 32.2 48.4





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

Instrument :

BNA\_E

ClientSampleId :

BP-TT-MW201D1-GW-20190502

Tot Ion:136 Resp: 6900

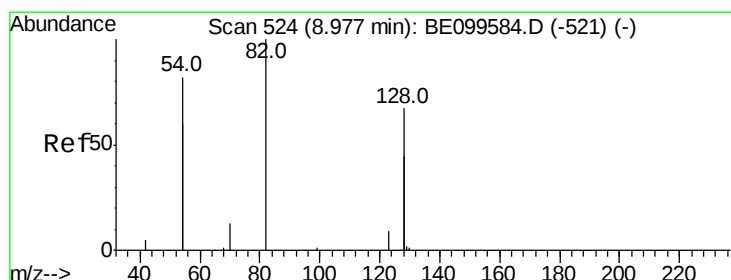
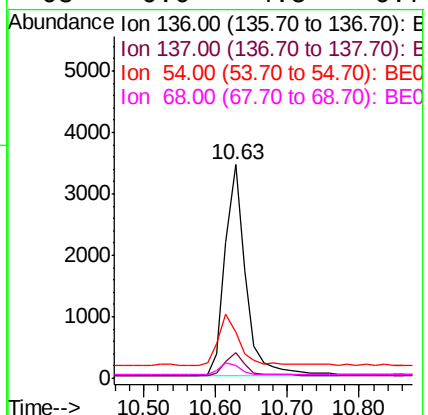
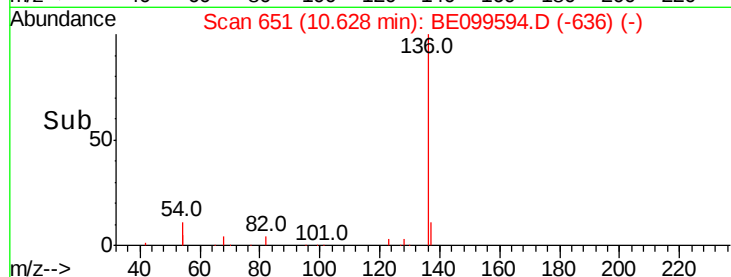
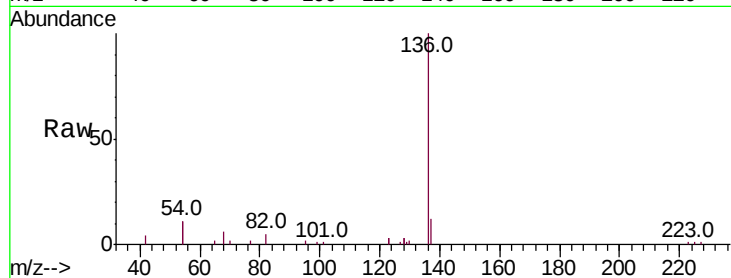
Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 21.8 16.5 24.7

68 6.0 4.5 6.7



#8

Nitrobenzene-d5

Concen: 0.320 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

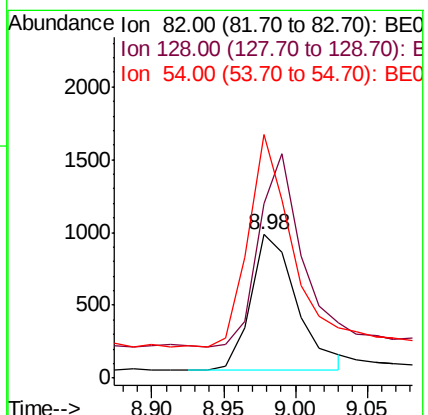
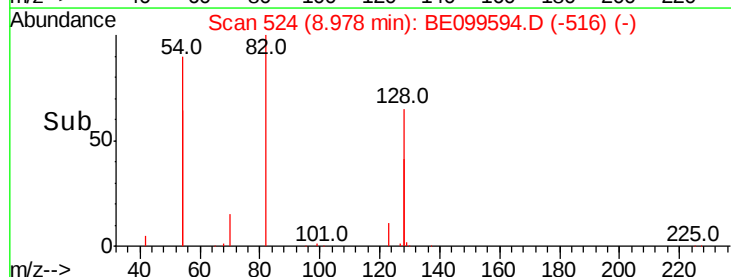
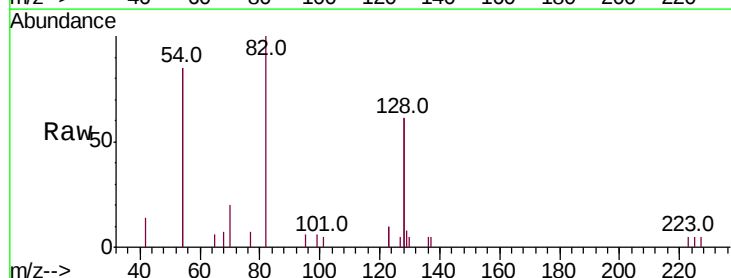
Tgt Ion: 82 Resp: 2071

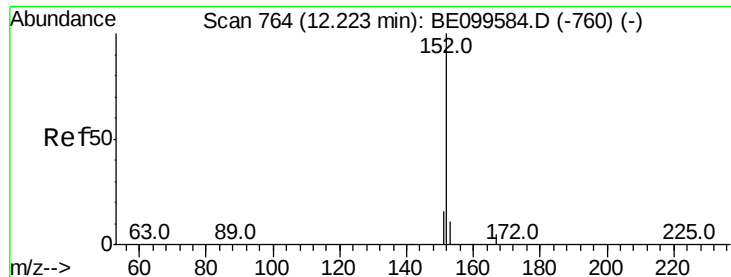
Ion Ratio Lower Upper

82 100

128 121.8 101.5 152.3

54 169.4 123.8 185.6

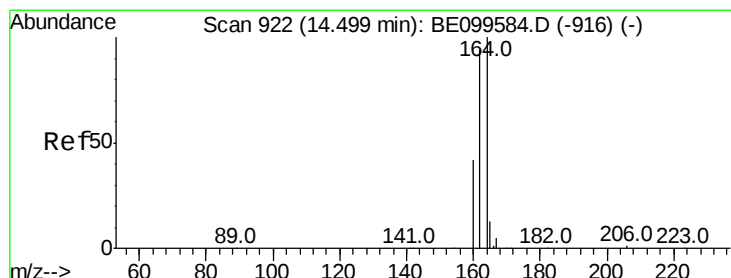
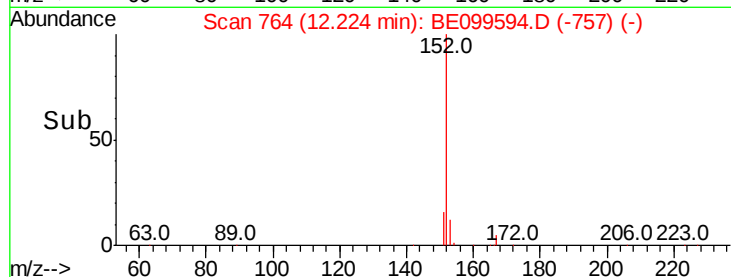
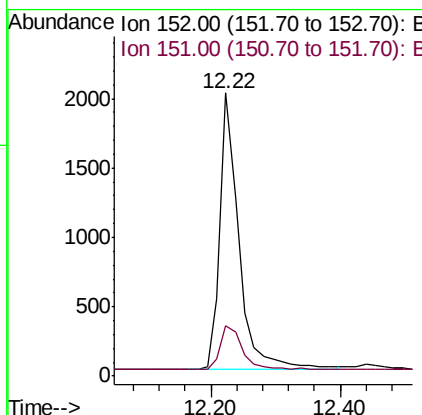
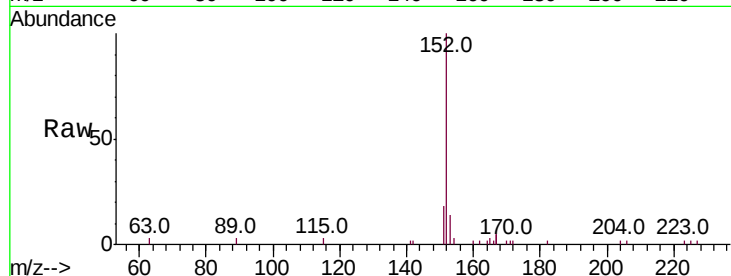




#11  
2-Methylnaphthalene-d10  
Concen: 0.353 ng  
RT: 12.22 min Scan# 764  
Delta R.T. 0.00 min  
Lab File: BE099594.D  
Acq: 9 May 2019 18:21

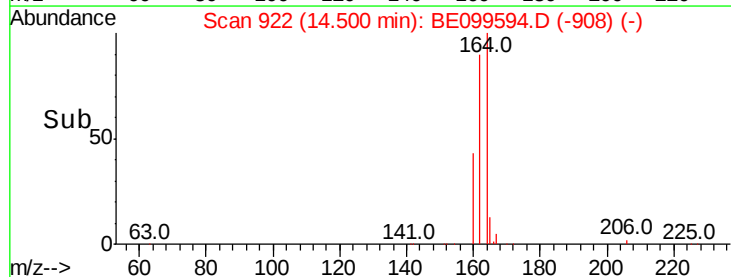
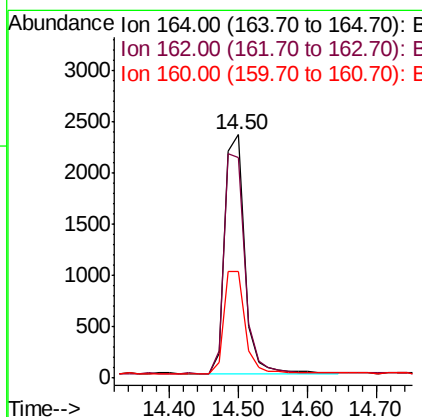
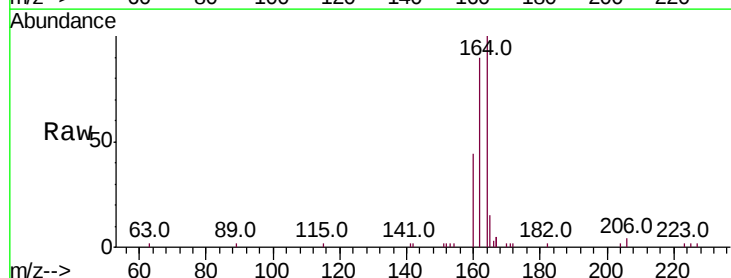
Instrument :  
BNA\_E  
ClientSampleId :  
BP-TT-MW201D1-GW-20190502

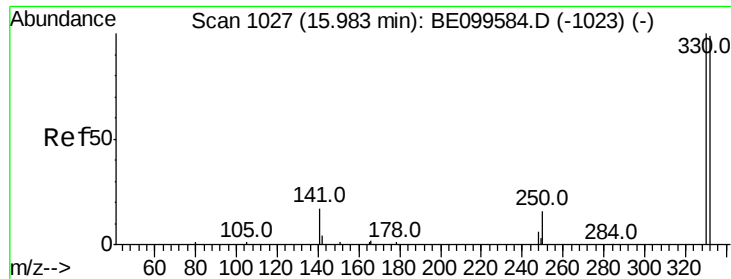
Tot Ion:152 Resp: 4079  
Ion Ratio Lower Upper  
152 100  
151 18.2 16.2 24.2



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.50 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: BE099594.D  
Acq: 9 May 2019 18:21

Tgt Ion:164 Resp: 4709  
Ion Ratio Lower Upper  
164 100  
162 90.4 75.3 112.9  
160 44.0 34.7 52.1





#14

2,4,6-Tribromophenol

Concen: 0.019 ng

RT: 16.00 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

Instrument :

BNA\_E

ClientSampleId :

BP-TT-MW201D1-GW-20190502

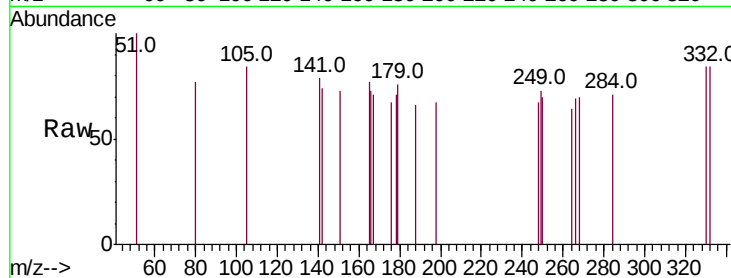
Tot Ion:330 Resp: 53

Ion Ratio Lower Upper

330 100

332 77.4 78.7 118.1#

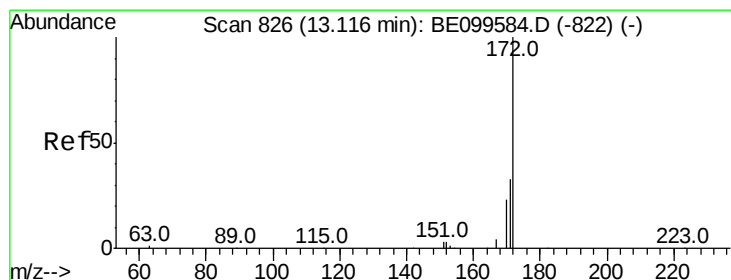
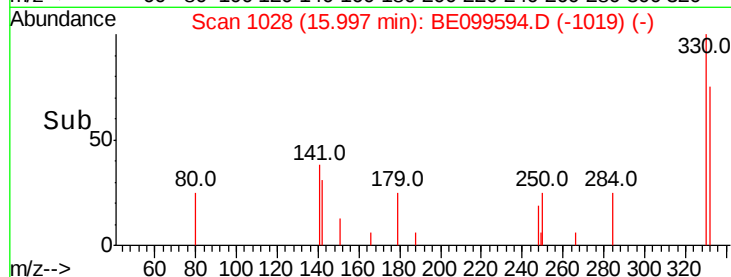
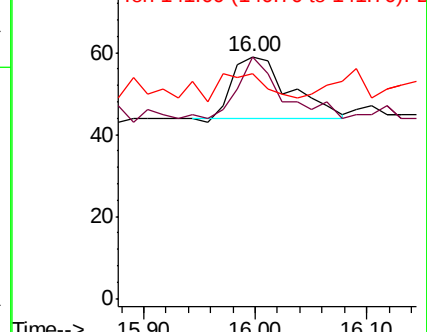
141 0.0 22.3 33.5#



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 0.396 ng

RT: 13.12 min Scan# 826

Delta R.T. 0.00 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

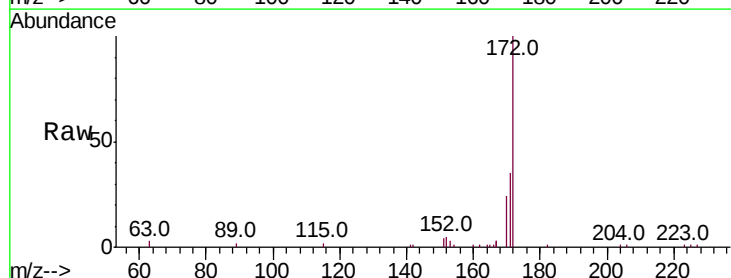
Tgt Ion:172 Resp: 7222

Ion Ratio Lower Upper

172 100

171 34.9 27.5 41.3

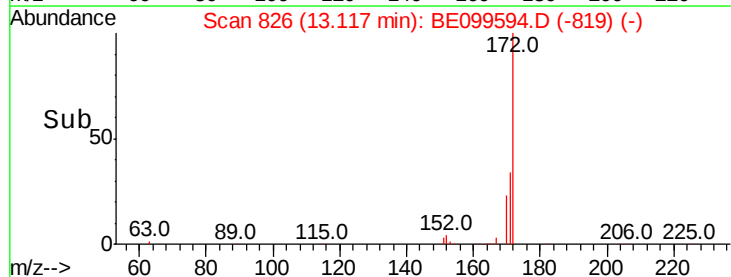
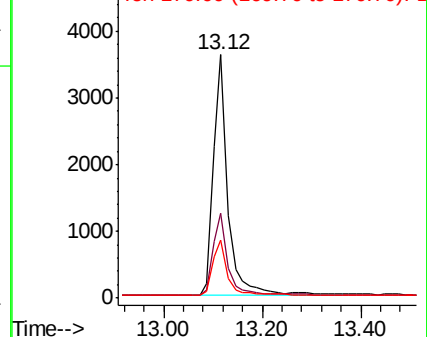
170 23.9 19.1 28.7

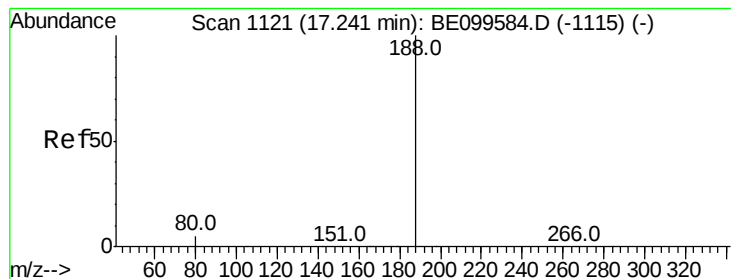


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

Instrument :

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ClientSampleId :

BP-TT-MW201D1-GW-20190502

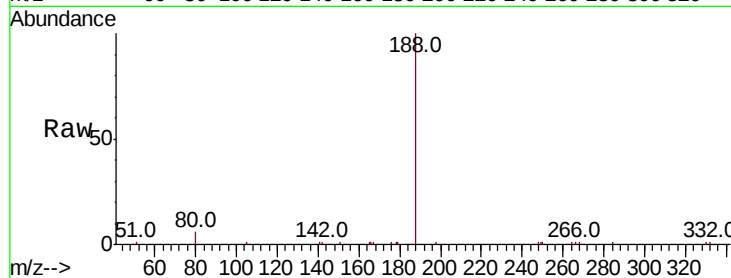
Tot Ion:188 Resp: 13003

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

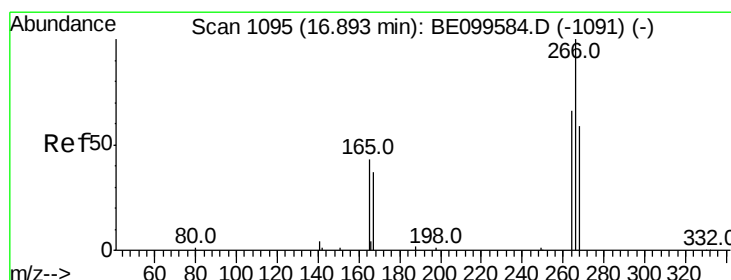
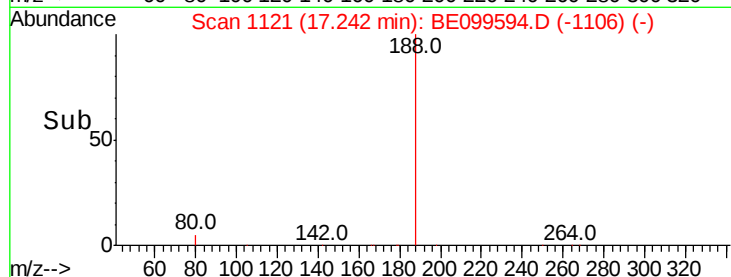
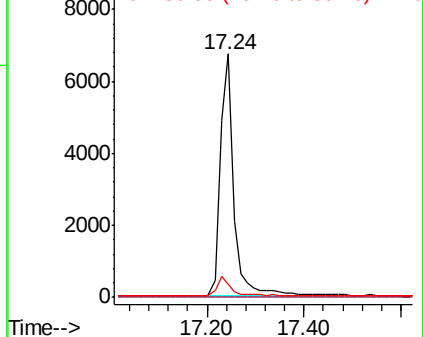
80 5.7 4.4 6.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.250 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.03 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

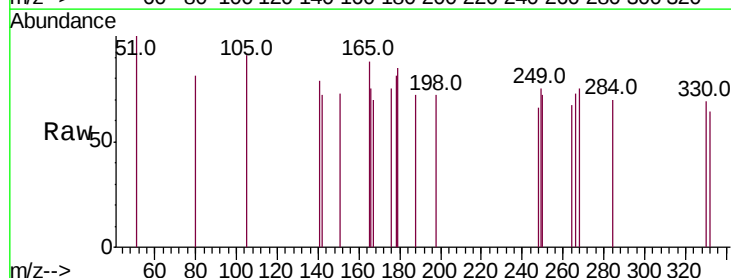
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 91.8 57.3 85.9#

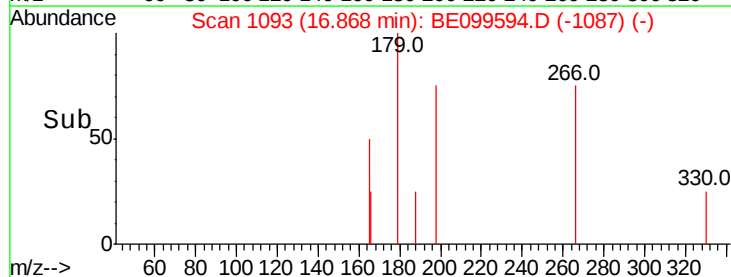
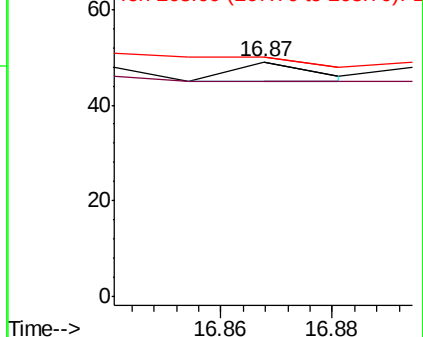
268 102.0 53.5 80.3#

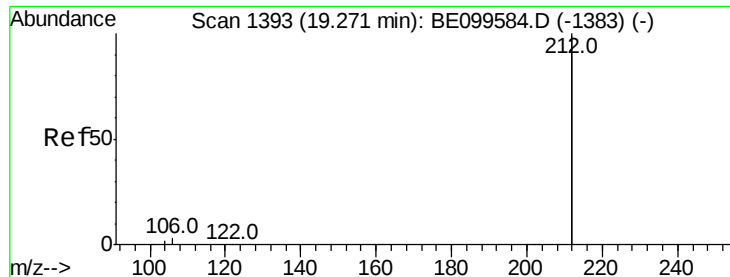


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.338 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

Instrument :

BNA\_E

ClientSampleId :

BP-TT-MW201D1-GW-20190502

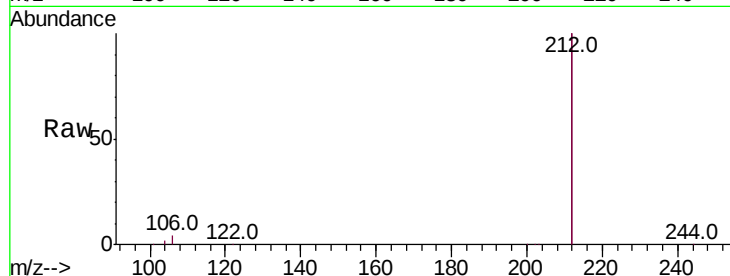
Tot Ion:212 Resp: 57751

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

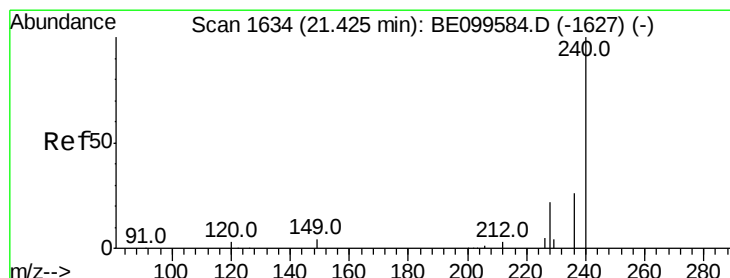
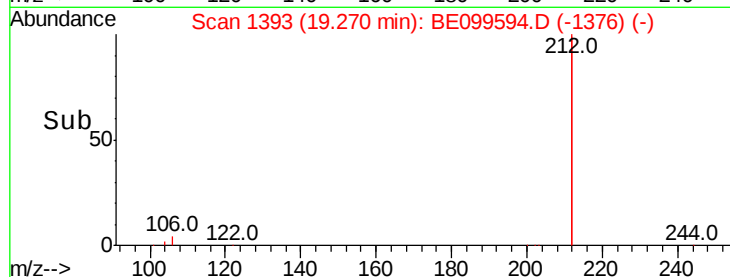
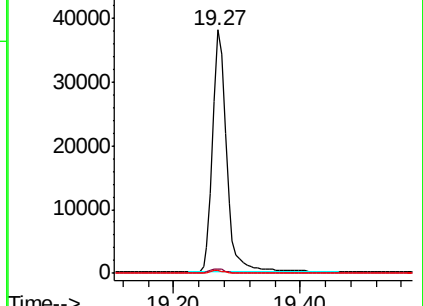
104 1.0 0.9 1.3



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

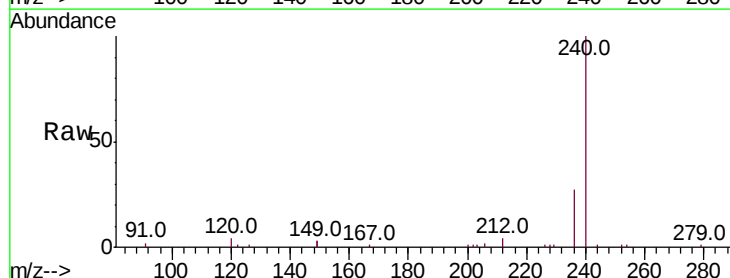
Tgt Ion:240 Resp: 16575

Ion Ratio Lower Upper

240 100

120 4.2 3.2 4.8

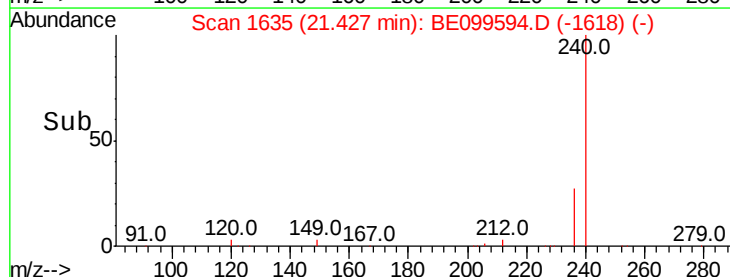
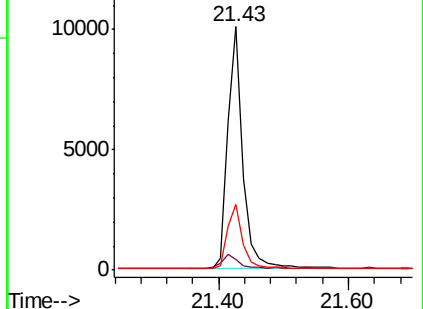
236 27.2 21.0 31.6

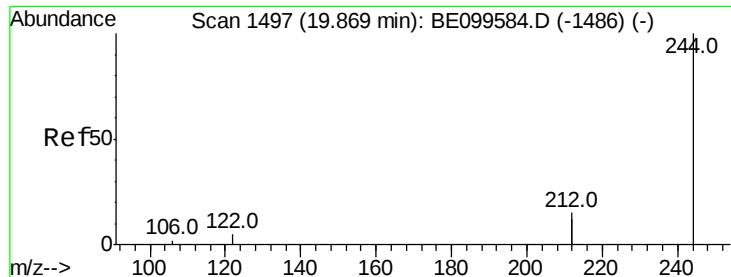


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.492 ng

RT: 19.87 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

Instrument :

BNA\_E

ClientSampleId :

BP-TT-MW201D1-GW-20190502

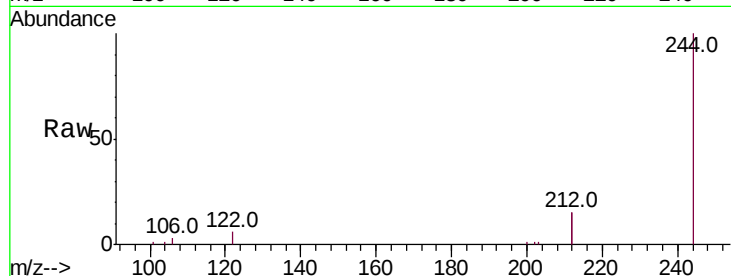
Tot Ion:244 Resp: 14491

Ion Ratio Lower Upper

244 100

212 30.5 24.4 36.6

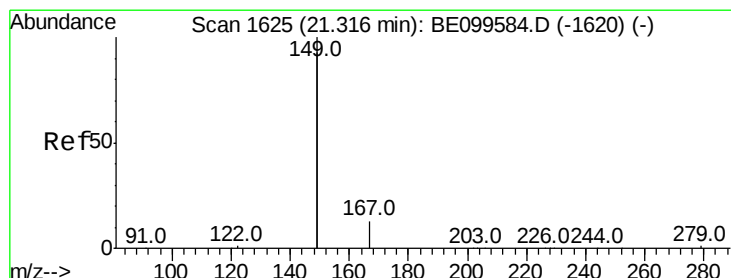
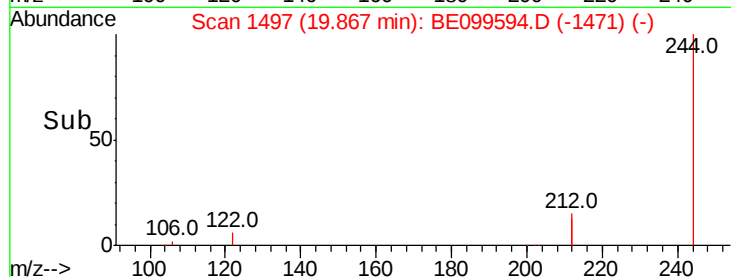
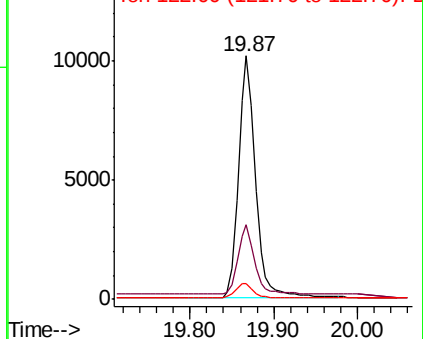
122 6.4 4.6 6.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.039 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099594.D

Acq: 9 May 2019 18:21

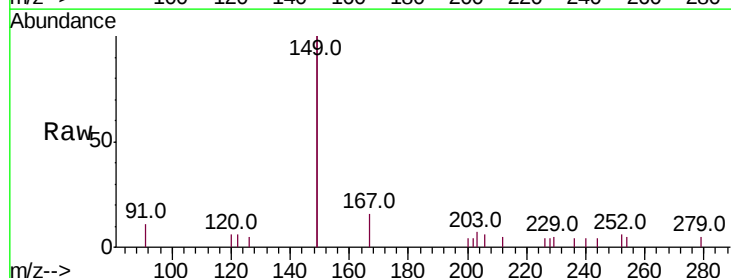
Tgt Ion:149 Resp: 2863

Ion Ratio Lower Upper

149 100

167 9.1 6.0 9.0#

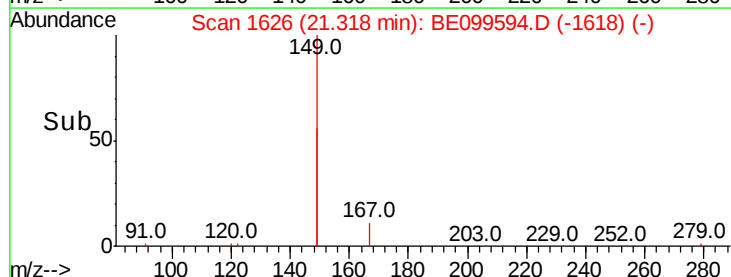
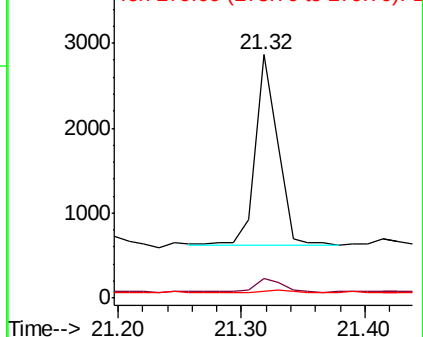
279 1.5 1.1 1.7

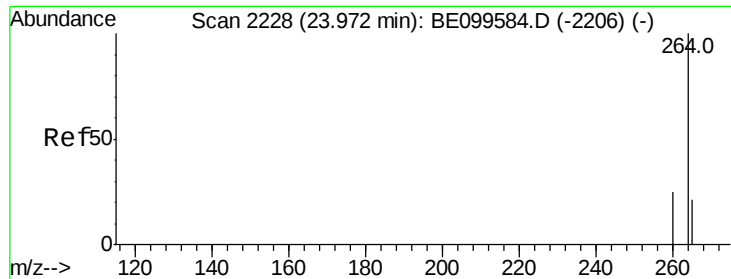


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.97 min Scan# 2228  
 Delta R.T. -0.00 min  
 Lab File: BE099594.D  
 Acq: 9 May 2019 18:21

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-TT-MW201D1-GW-20190502

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 264   | Resp: | 20061 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 24.9  | 20.3  | 30.5  |
| 265      | 24.5  | 20.9  | 31.3  |

