

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE092319\  
 Data File : BE100541.D  
 Acq On : 23 Sep 2019 15:53  
 Operator : HP/JU  
 Sample : PB123105BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 16:44:05 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE092019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Sep 20 18:26:17 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 9512     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.65 | 136  | 39325    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 19592    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.20 | 188  | 36143    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 31041    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.84 | 264  | 43035    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| 4) 2-Fluorophenol           | 5.44  | 112 | 4103   | 0.18 | ng | 0.00 |
| 5) Phenol-d6                | 7.02  | 99  | 4569   | 0.15 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.00  | 82  | 3966   | 0.17 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.24 | 152 | 11433  | 0.19 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330 | 382    | 0.12 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 13.12 | 172 | 14330  | 0.20 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.23 | 212 | 115235 | 0.27 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.82 | 244 | 35610  | 0.48 | ng | 0.00 |

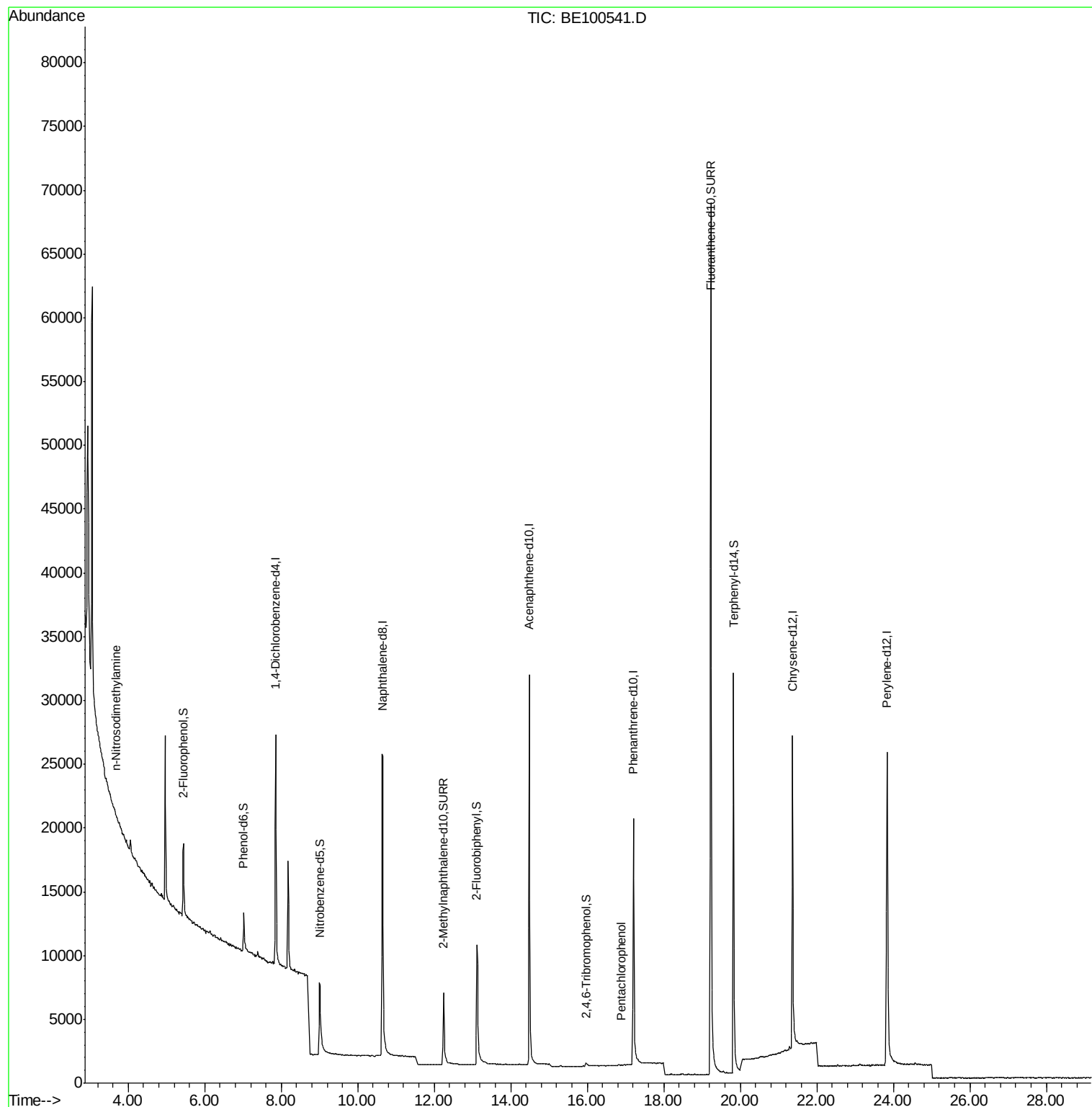
#### Target Compounds

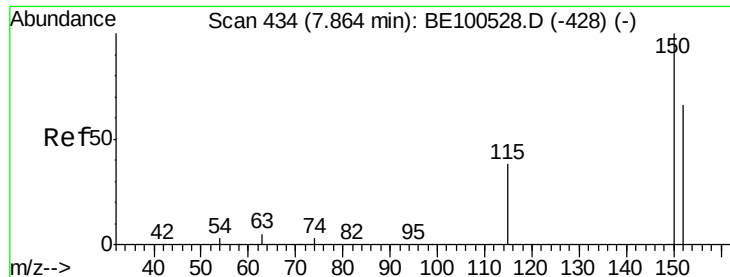
|                           |       |     |     |       |    | Qvalue |
|---------------------------|-------|-----|-----|-------|----|--------|
| 3) n-Nitrosodimethylamine | 3.68  | 42  | 168 | 0.021 | ng | # 1    |
| 22) Pentachlorophenol     | 16.89 | 266 | 11  | 0.175 | ng | # 76   |

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

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QLast Update : Fri Sep 20 18:26:17 2019  
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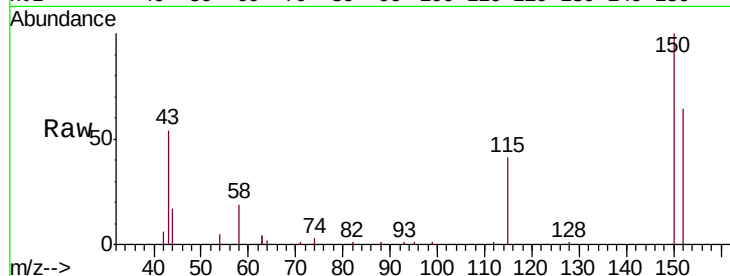




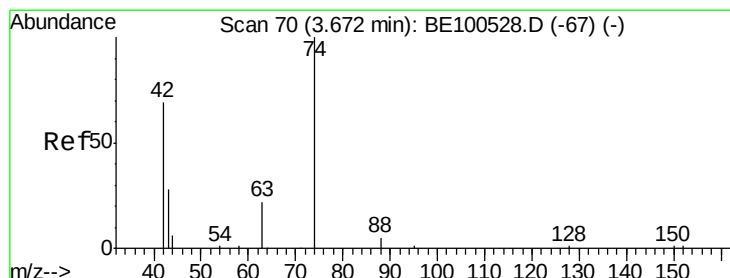
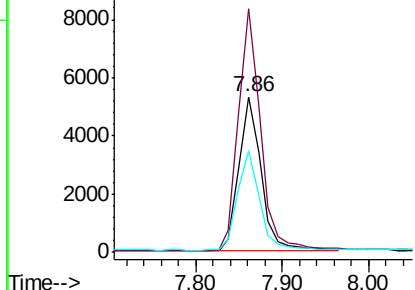
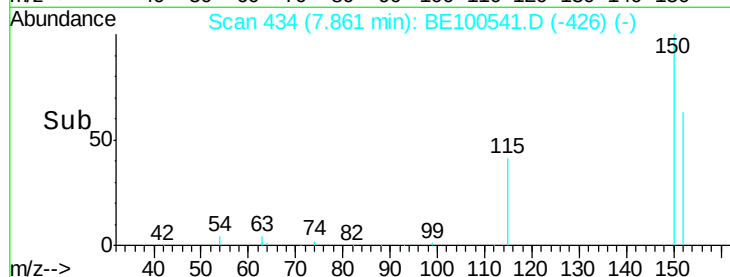
#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE100541.D  
Acq: 23 Sep 2019 15:53

Tgt Ion: 152 Resp: 9512  
Ion Ratio Lower Upper  
152 100  
150 156.8 121.6 182.4  
115 65.0 48.2 72.4



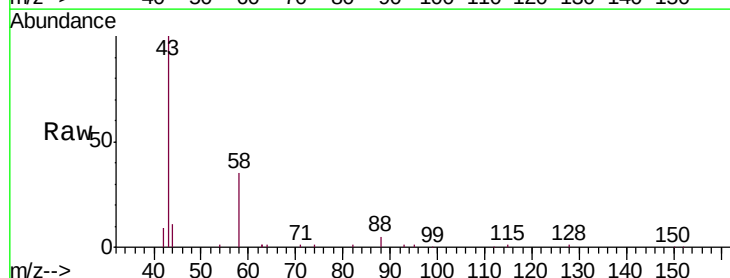
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



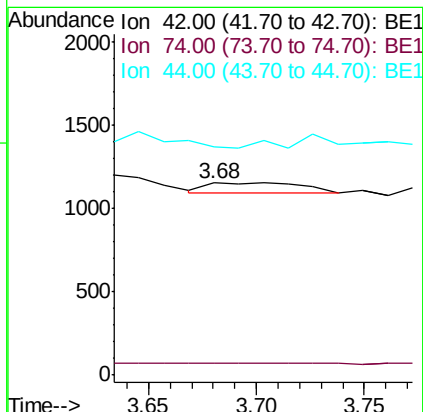
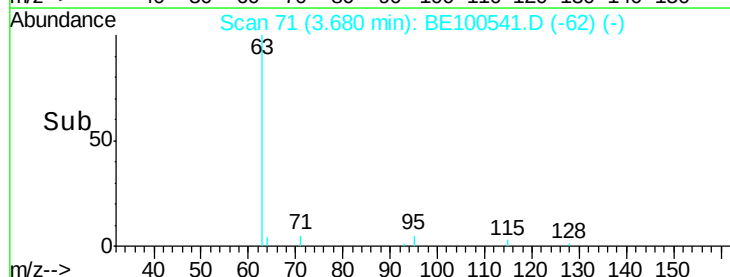
#3

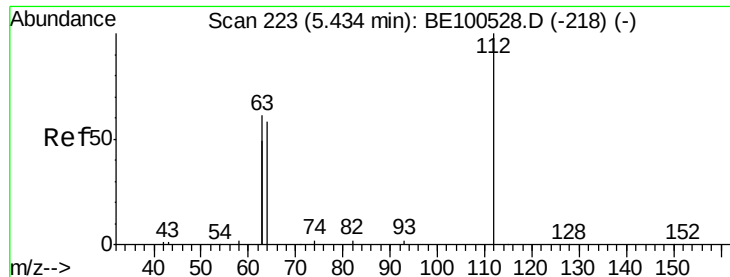
n-Nitrosodimethylamine  
Concen: 0.021 ng  
RT: 3.68 min Scan# 71  
Delta R.T. 0.01 min  
Lab File: BE100541.D  
Acq: 23 Sep 2019 15:53

Tgt Ion: 42 Resp: 168  
Ion Ratio Lower Upper  
42 100  
74 0.0 133.8 200.6#  
44 0.0 6.4 9.6#



Abundance Ion 42.00 (41.70 to 42.70): BE1  
Ion 74.00 (73.70 to 74.70): BE1  
Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 0.184 ng

RT: 5.44 min Scan# 224

Delta R.T. 0.01 min

Lab File: BE100541.D

Acq: 23 Sep 2019 15:53

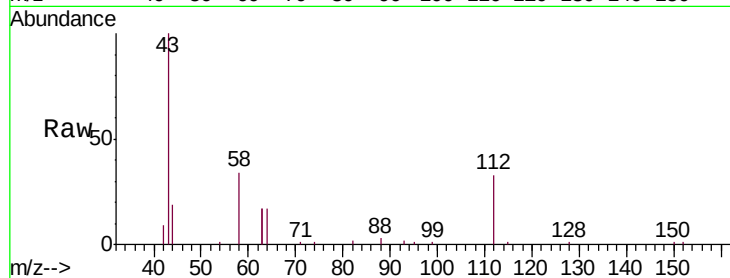
Tgt Ion: 112 Resp: 4103

Ion Ratio Lower Upper

112 100

64 56.6 44.1 66.1

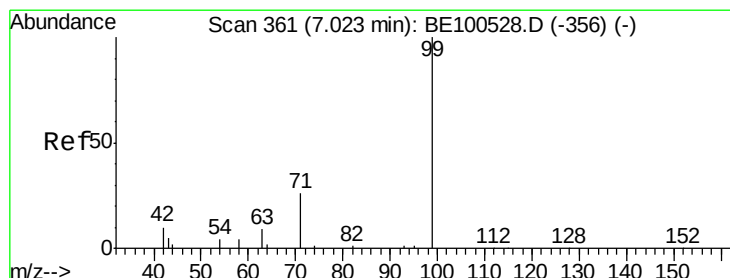
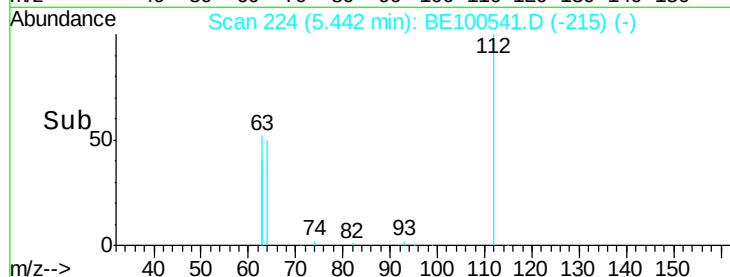
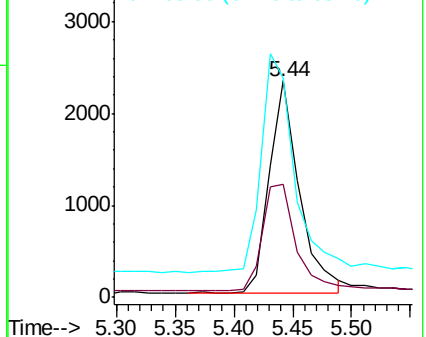
63 112.8 86.5 129.7



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.150 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.00 min

Lab File: BE100541.D

Acq: 23 Sep 2019 15:53

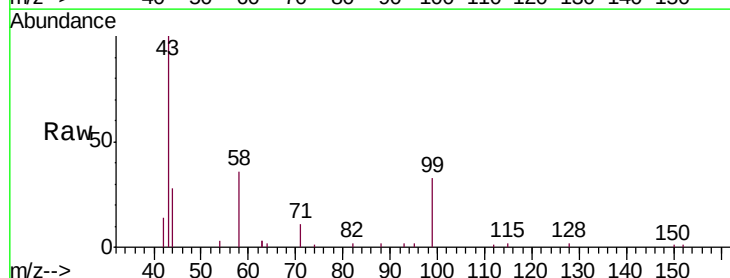
Tgt Ion: 99 Resp: 4569

Ion Ratio Lower Upper

99 100

42 16.5 13.0 19.6

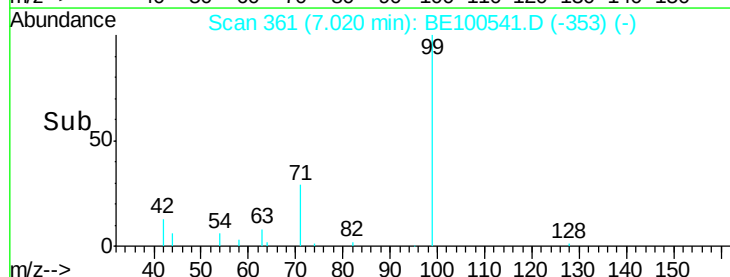
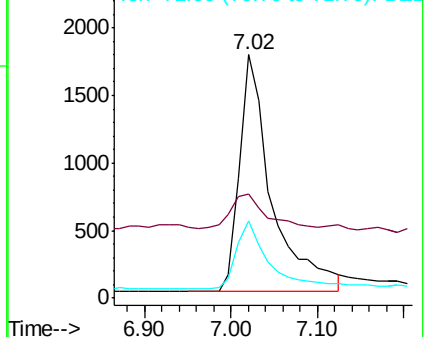
71 29.7 23.4 35.0

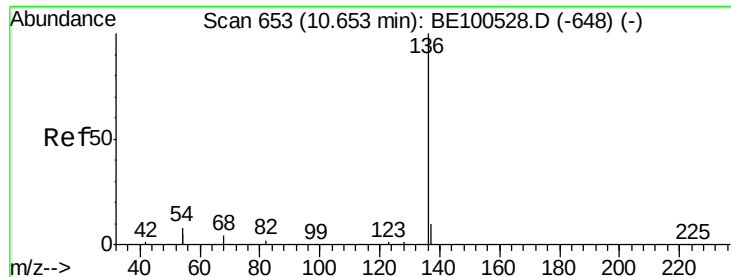


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

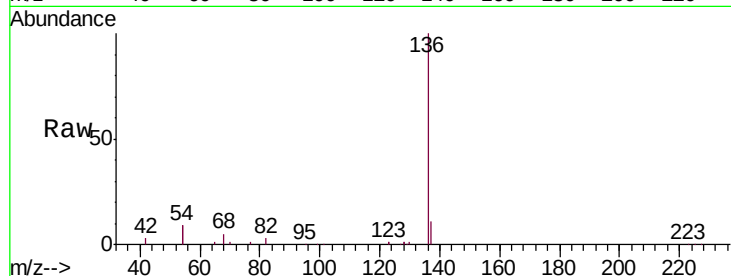
RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE100541.D

Acq: 23 Sep 2019 15:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 39325 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.0  | 8.6   | 13.0  |
| 54       | 18.7  | 12.4  | 18.6  |
| 68       | 4.5   | 3.3   | 4.9   |



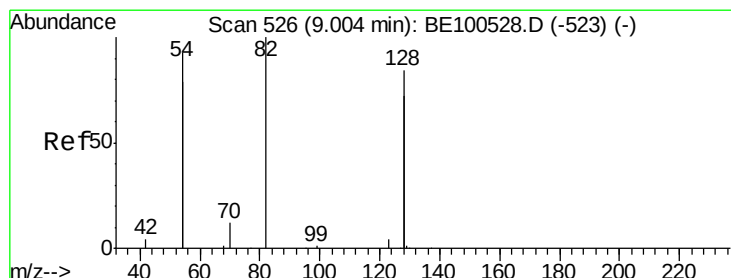
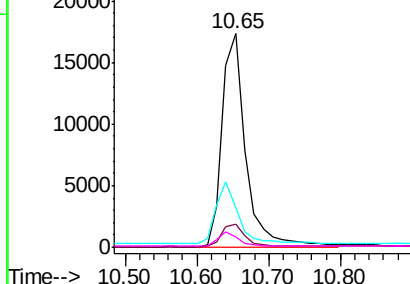
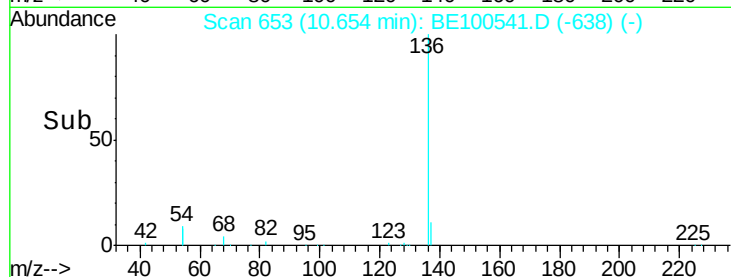
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.175 ng

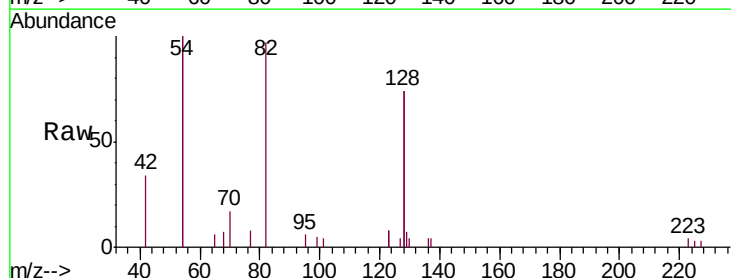
RT: 9.00 min Scan# 526

Delta R.T. 0.00 min

Lab File: BE100541.D

Acq: 23 Sep 2019 15:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 3966  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 152.0 | 129.4 | 194.2 |
| 54       | 205.4 | 143.3 | 214.9 |

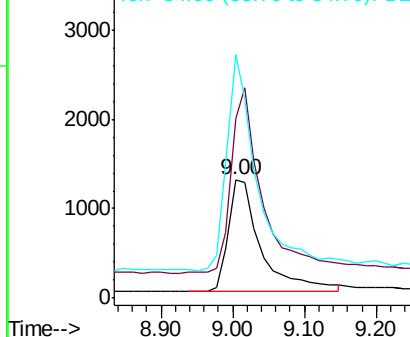
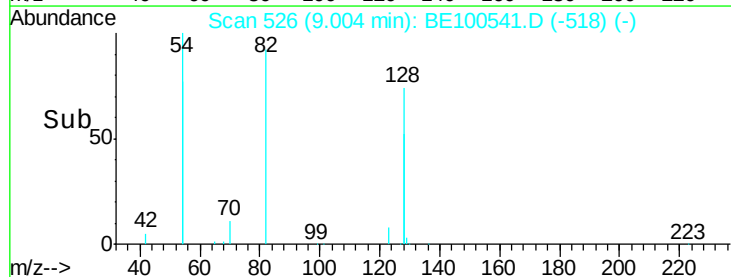


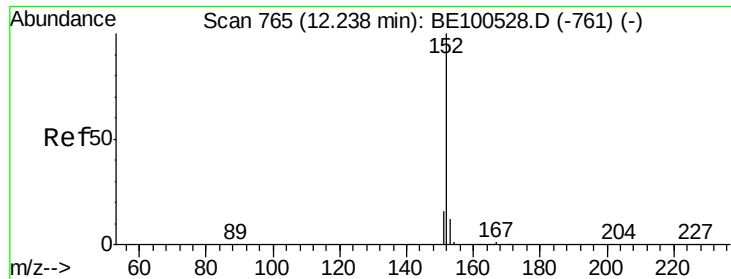
Abundance

Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.194 ng

RT: 12.24 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE100541.D

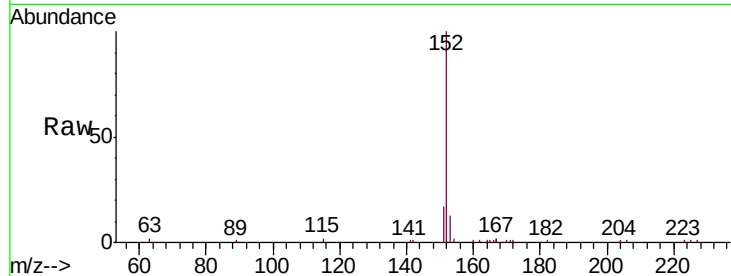
Acq: 23 Sep 2019 15:53

Tgt Ion:152 Resp: 11433

Ion Ratio Lower Upper

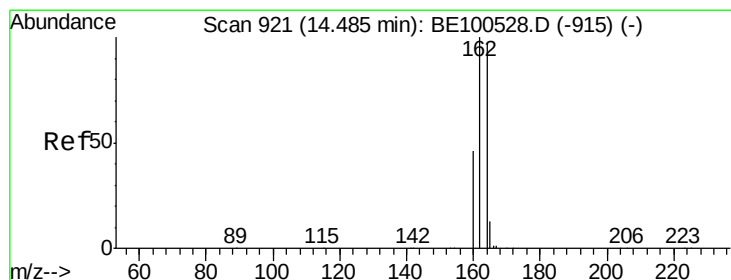
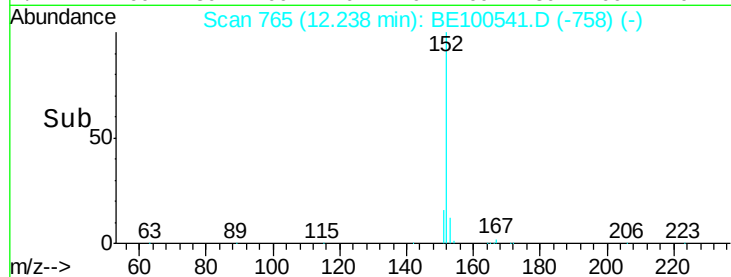
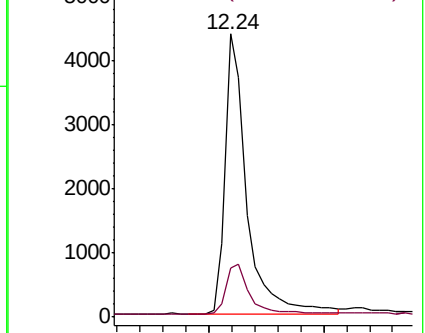
152 100

151 19.5 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE100541.D

Acq: 23 Sep 2019 15:53

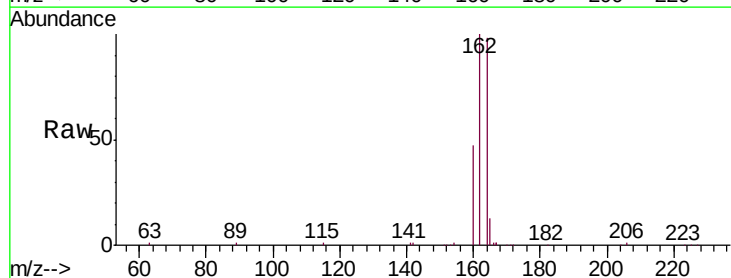
Tgt Ion:164 Resp: 19592

Ion Ratio Lower Upper

164 100

162 102.1 82.1 123.1

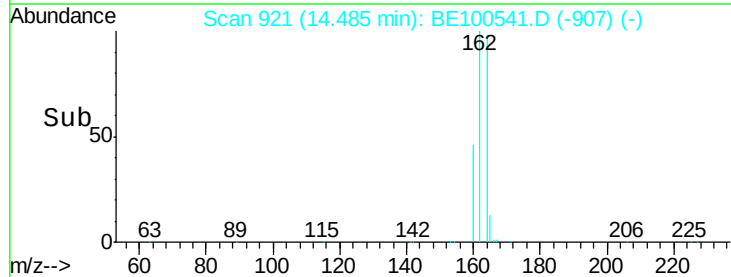
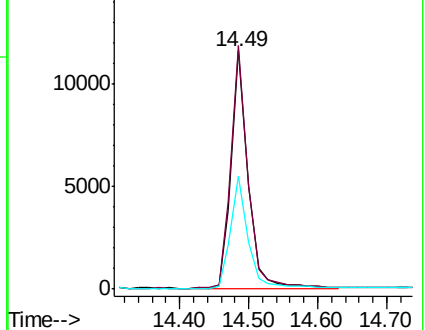
160 47.6 37.6 56.4

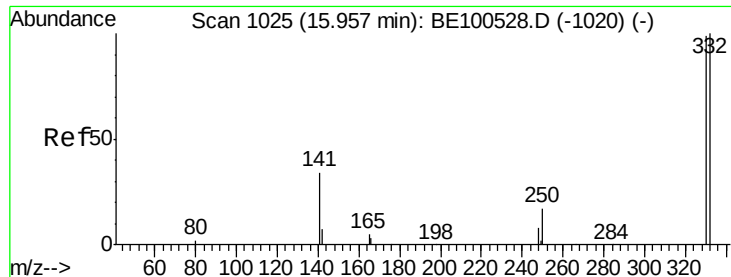


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

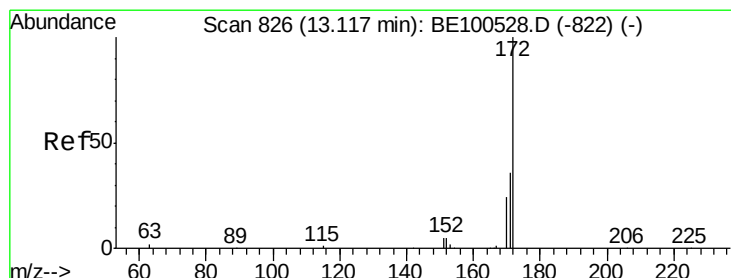
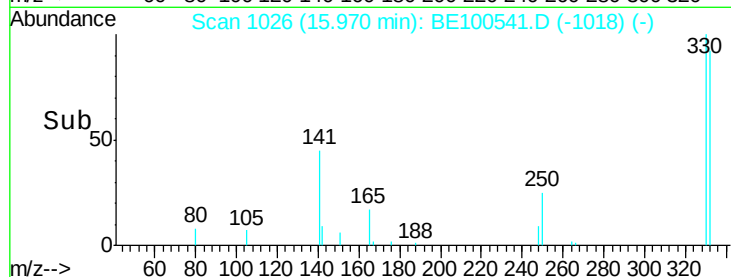
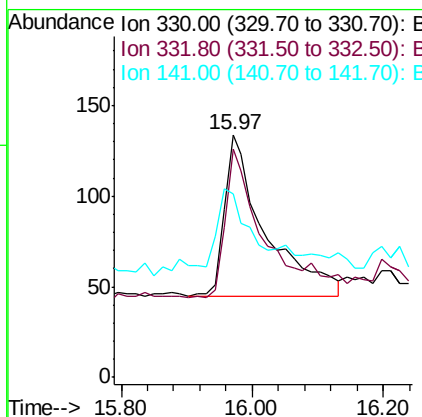
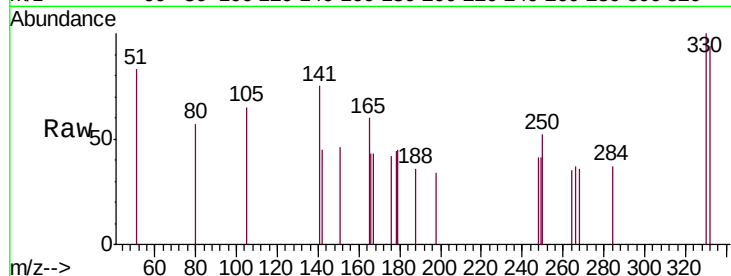
Ion 160.00 (159.70 to 160.70): E





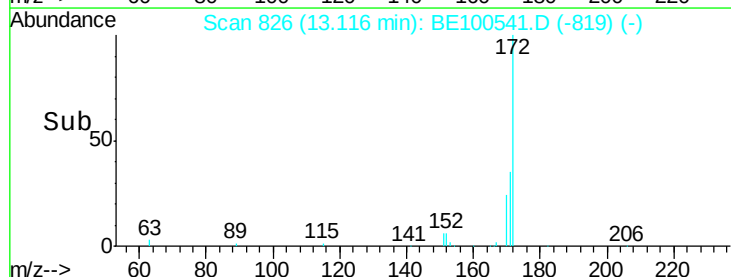
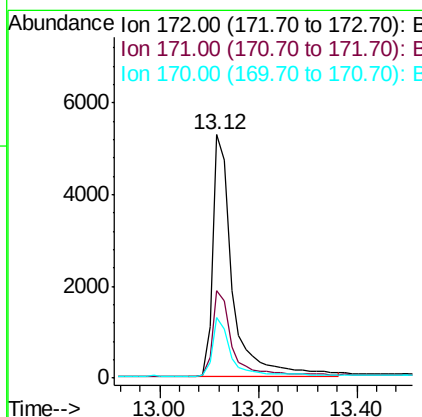
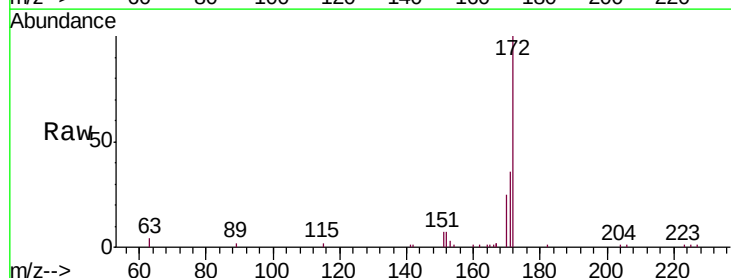
#14  
 2,4,6-Tribromophenol  
 Concen: 0.121 ng  
 RT: 15.97 min Scan# 1026  
 Delta R.T. 0.01 min  
 Lab File: BE100541.D  
 Acq: 23 Sep 2019 15:53

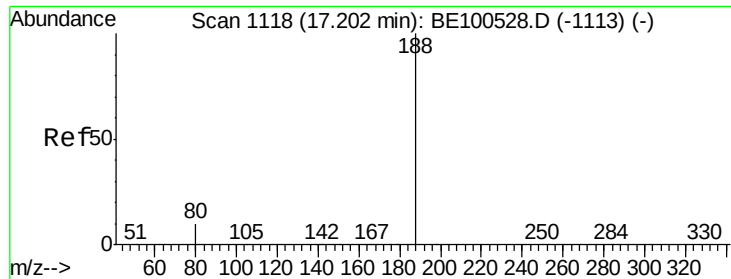
Tgt Ion: 330 Resp: 382  
 Ion Ratio Lower Upper  
 330 100  
 332 94.2 75.5 113.3  
 141 39.8 42.3 63.5#



#15  
 2-Fluorobiphenyl  
 Concen: 0.205 ng  
 RT: 13.12 min Scan# 826  
 Delta R.T. -0.00 min  
 Lab File: BE100541.D  
 Acq: 23 Sep 2019 15:53

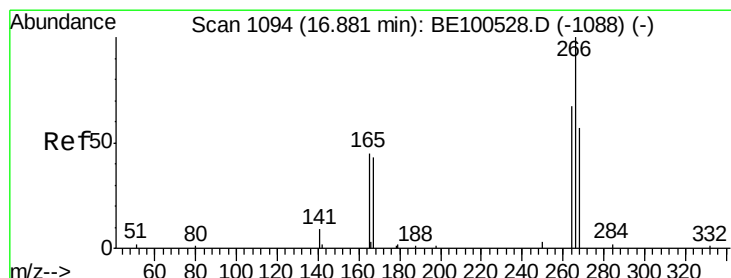
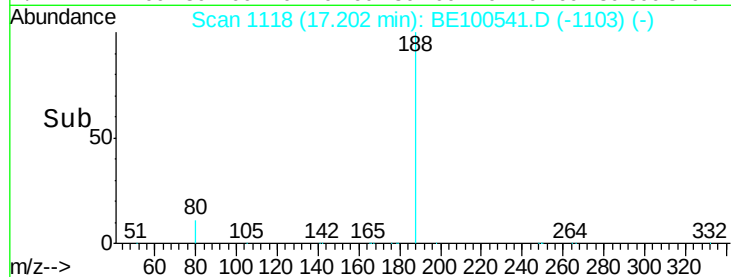
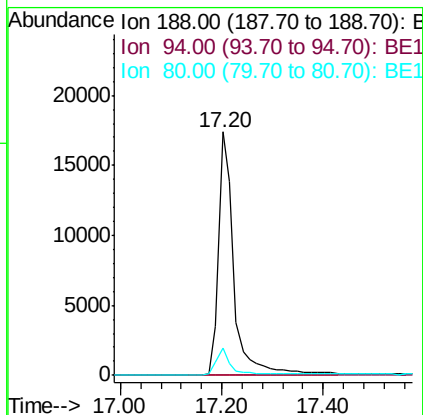
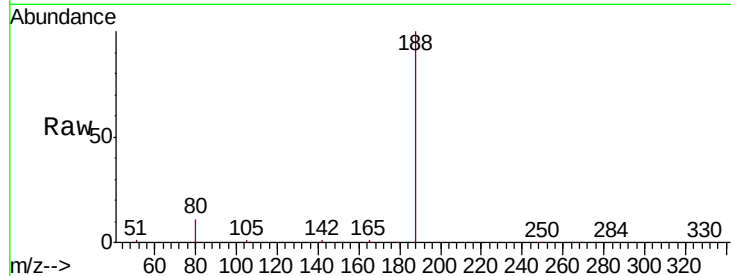
Tgt Ion: 172 Resp: 14330  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 28.8 43.2  
 170 25.0 19.4 29.0





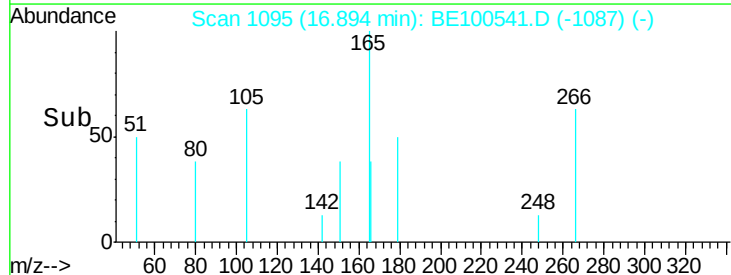
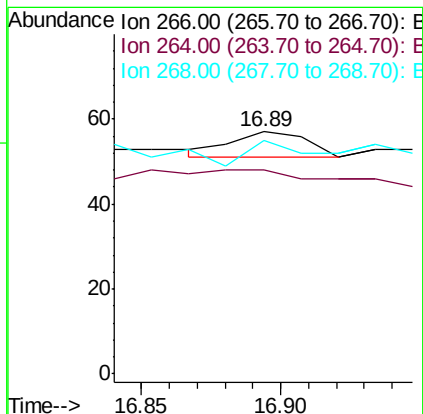
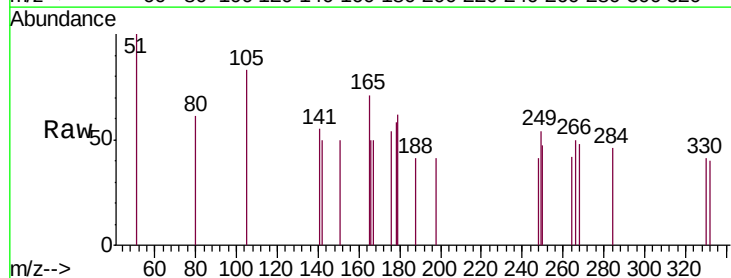
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.20 min Scan# 1118  
Delta R.T. -0.00 min  
Lab File: BE100541.D  
Acq: 23 Sep 2019 15:53

Tgt Ion:188 Resp: 36143  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.1 8.0 12.0

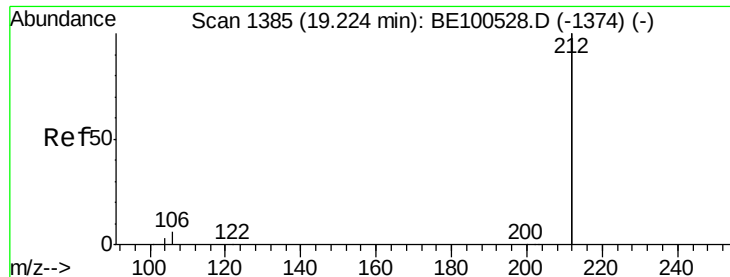


#22  
Pentachlorophenol  
Concen: 0.175 ng  
RT: 16.89 min Scan# 1095  
Delta R.T. 0.01 min  
Lab File: BE100541.D  
Acq: 23 Sep 2019 15:53

Tgt Ion:266 Resp: 11  
Ion Ratio Lower Upper  
266 100  
264 84.2 57.6 86.4  
268 96.5 55.1 82.7#







#25

Fluoranthene-d10

Concen: 0.268 ng

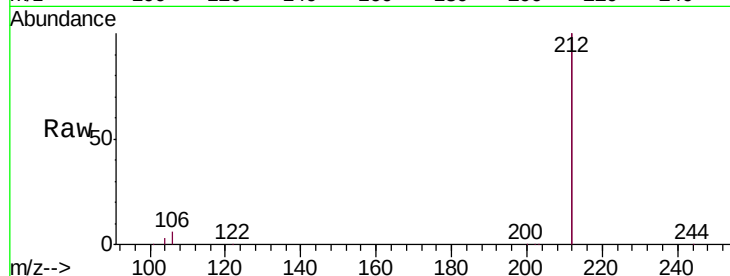
RT: 19.23 min Scan# 1386

Delta R.T. 0.01 min

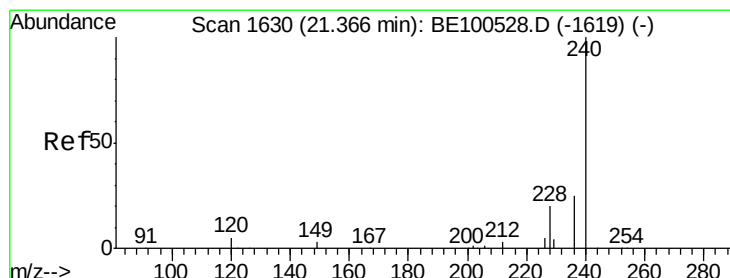
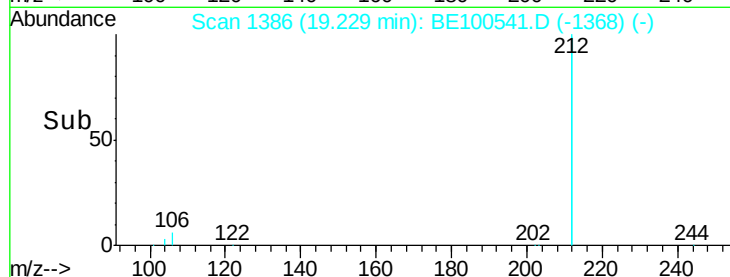
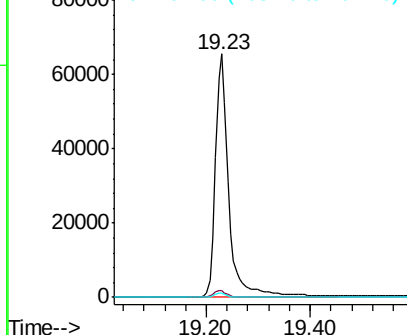
Lab File: BE100541.D

Acq: 23 Sep 2019 15:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 212   | Resp: | 115235 |
| Ion      | Ratio | Lower | Upper  |
| 212      | 100   |       |        |
| 106      | 3.0   | 2.3   | 3.5    |
| 104      | 1.6   | 1.3   | 1.9    |



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

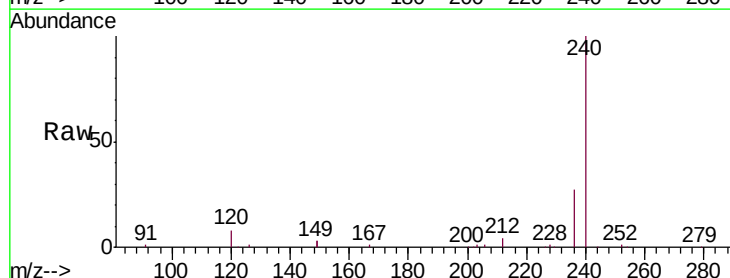
RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

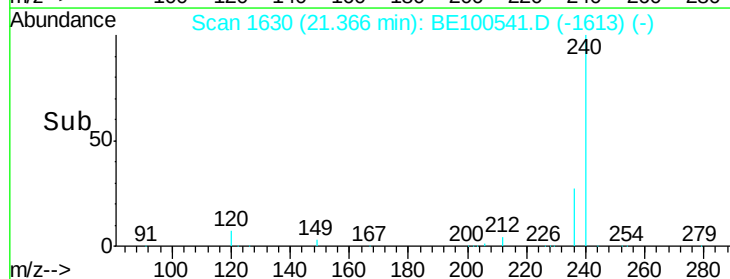
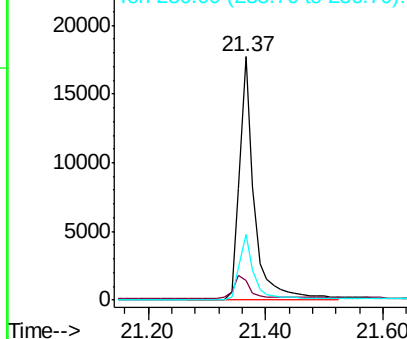
Lab File: BE100541.D

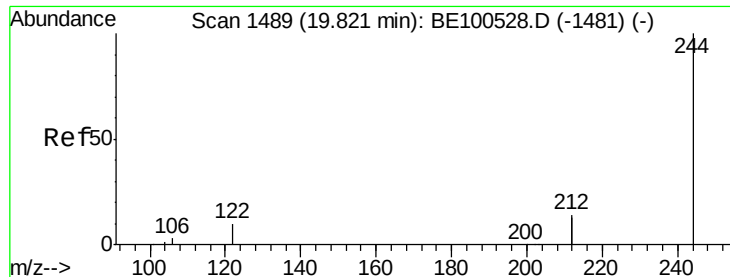
Acq: 23 Sep 2019 15:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 240   | Resp: | 31041 |
| Ion      | Ratio | Lower | Upper |
| 240      | 100   |       |       |
| 120      | 7.8   | 4.5   | 6.7#  |
| 236      | 27.0  | 20.6  | 30.8  |



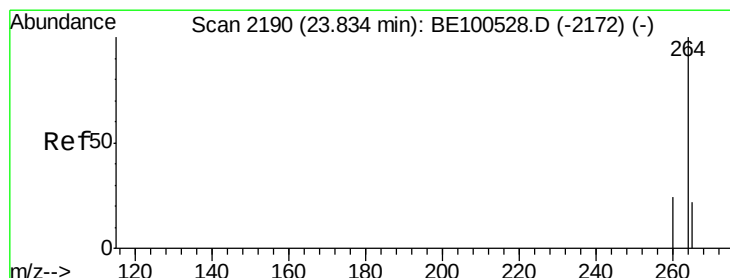
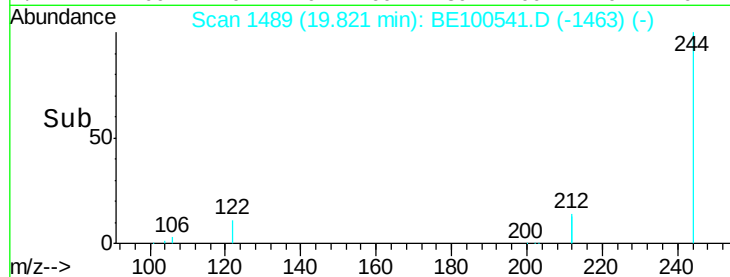
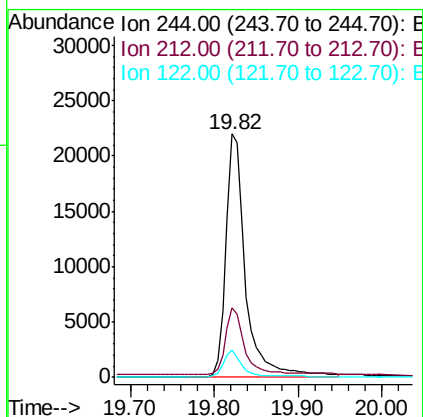
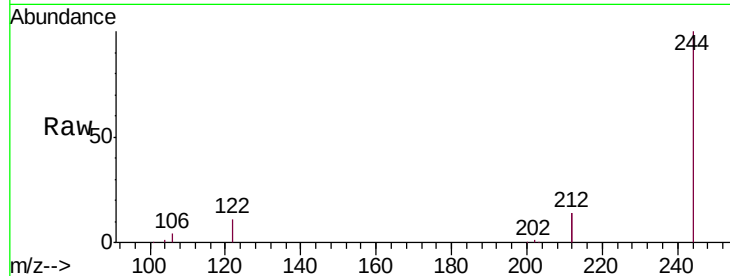
Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#29  
 Terphenyl-d14  
 Concen: 0.484 ng  
 RT: 19.82 min Scan# 1489  
 Delta R.T. -0.00 min  
 Lab File: BE100541.D  
 Acq: 23 Sep 2019 15:53

Tgt Ion: 244 Resp: 35610  
 Ion Ratio Lower Upper  
 244 100  
 212 28.4 22.2 33.2  
 122 11.1 8.3 12.5



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.84 min Scan# 2191  
 Delta R.T. 0.00 min  
 Lab File: BE100541.D  
 Acq: 23 Sep 2019 15:53

Tgt Ion: 264 Resp: 43035  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.6 29.4  
 265 26.4 21.8 32.8

