

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092319\  
 Data File : BE100537.D  
 Acq On : 23 Sep 2019 13:09  
 Operator : HP/JU  
 Sample : PB123105BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB123105BL

Quant Time: Sep 23 15:55:19 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  | 8938     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.65 | 136  | 37930    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 18310    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.20 | 188  | 37433    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 32285    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.84 | 264  | 17327    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.44  | 112  | 6786     | 0.32 | ng    | 0.00     |
| 5) Phenol-d6                | 7.02  | 99   | 7903     | 0.28 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.00  | 82   | 6338     | 0.29 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.24 | 152  | 16190    | 0.29 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330  | 610      | 0.21 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.12 | 172  | 20440    | 0.31 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.23 | 212  | 108349   | 0.24 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.82 | 244  | 23521    | 0.31 | ng    | 0.00     |

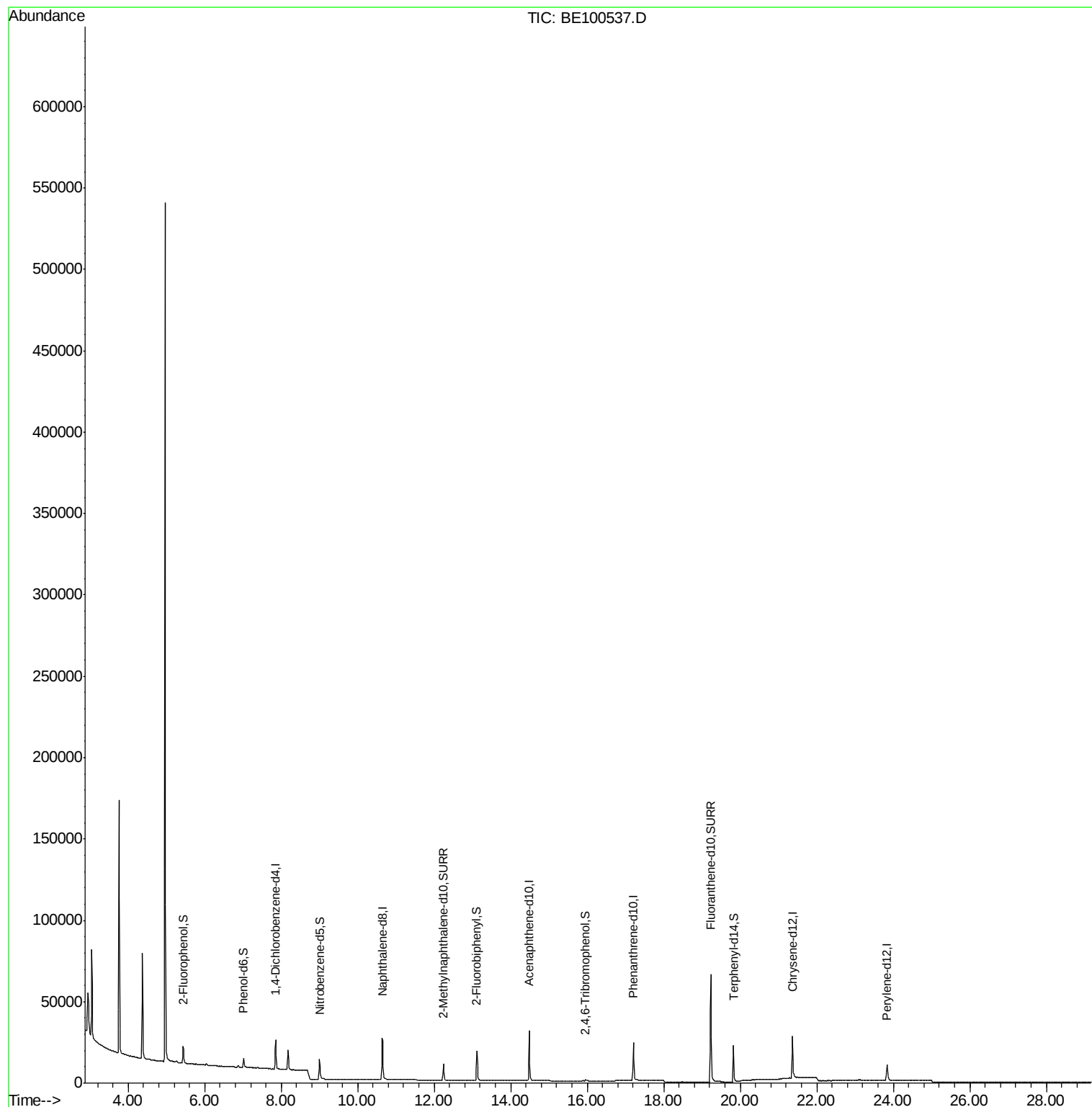
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

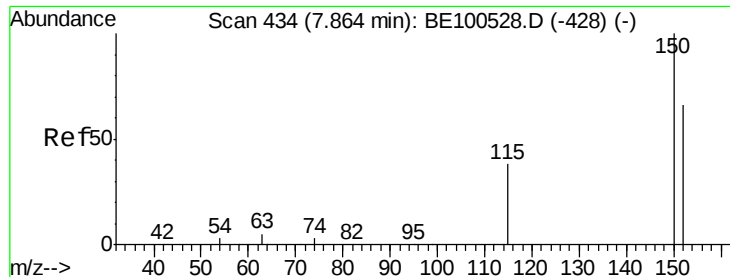
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_E  
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Quant Time: Sep 23 15:55:19 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M  
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QLast Update : Fri Sep 20 18:26:17 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE100537.D

Acq: 23 Sep 2019 13:09

Instrument :

BNA\_E

ClientSampleId :

PB123105BL

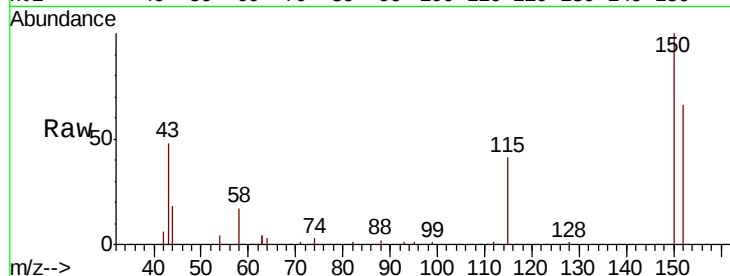
Tot Ion:152 Resp: 8938

Ion Ratio Lower Upper

152 100

150 152.5 121.6 182.4

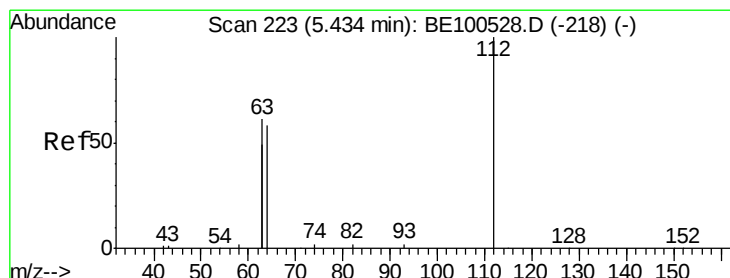
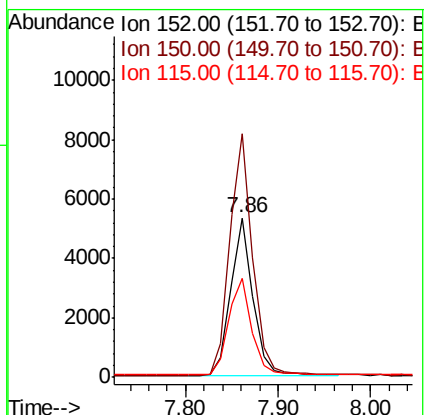
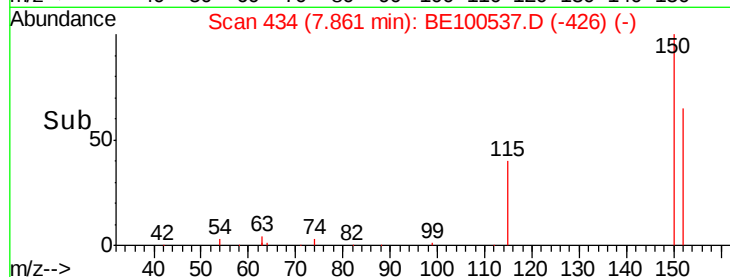
115 62.3 48.2 72.4



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



#4

2-Fluorophenol

Concen: 0.324 ng

RT: 5.44 min Scan# 224

Delta R.T. 0.01 min

Lab File: BE100537.D

Acq: 23 Sep 2019 13:09

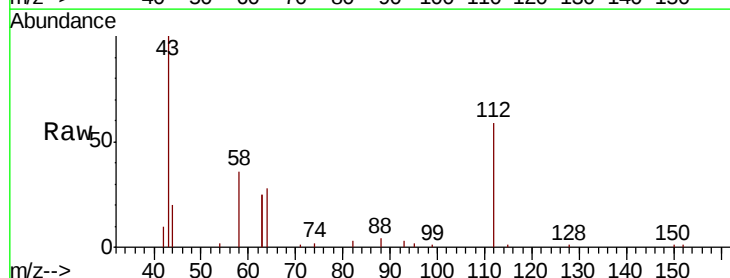
Tgt Ion:112 Resp: 6786

Ion Ratio Lower Upper

112 100

64 57.7 44.1 66.1

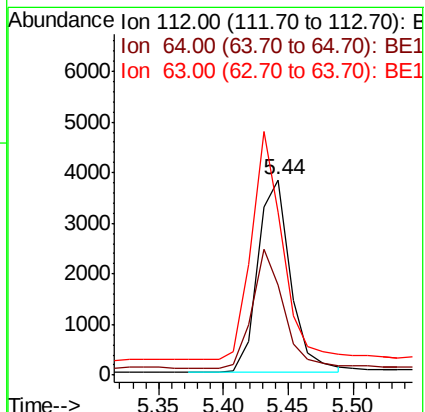
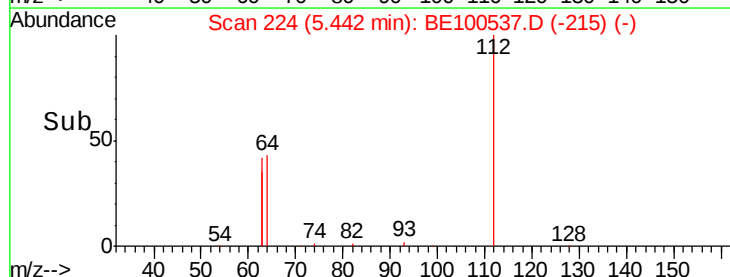
63 111.0 86.5 129.7

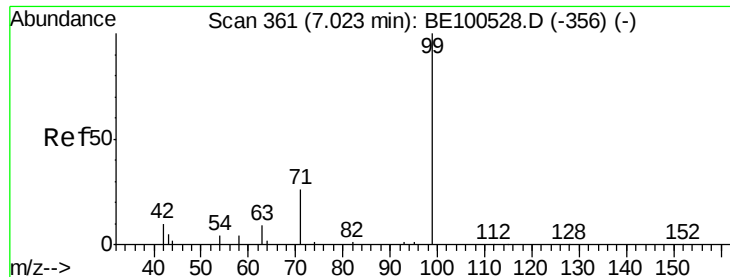


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.276 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.00 min

Lab File: BE100537.D

Acq: 23 Sep 2019 13:09

Instrument :

BNA\_E

ClientSampleId :

PB123105BL

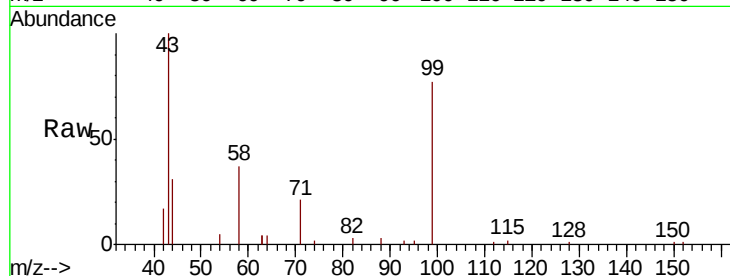
Tot Ion: 99 Resp: 7903

Ion Ratio Lower Upper

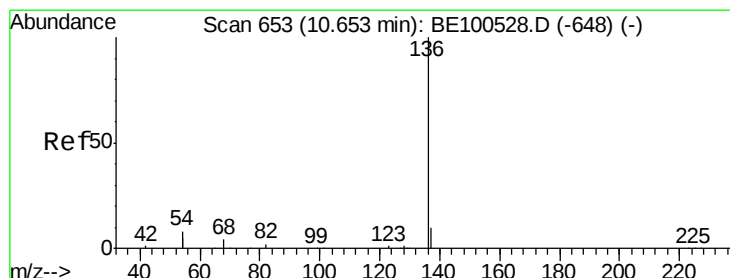
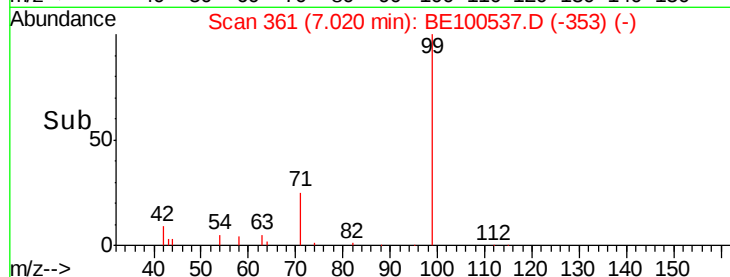
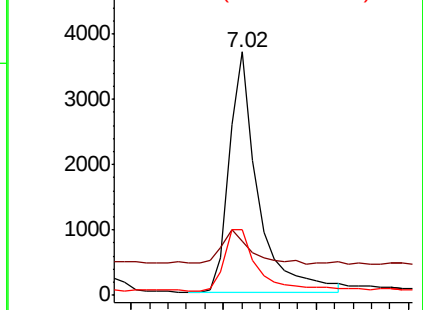
99 100

42 13.3 13.0 19.6

71 29.2 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: BE100537.D

Acq: 23 Sep 2019 13:09

Tgt Ion: 136 Resp: 37930

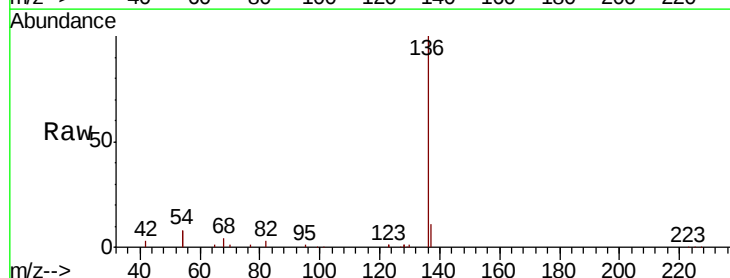
Ion Ratio Lower Upper

136 100

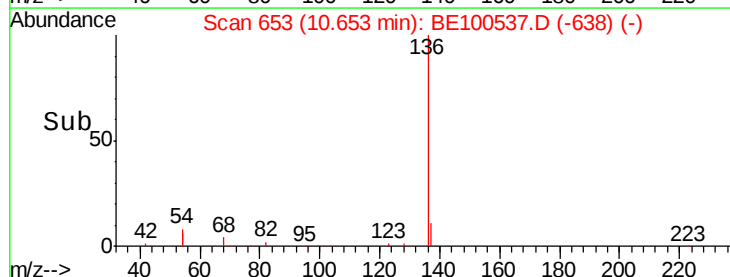
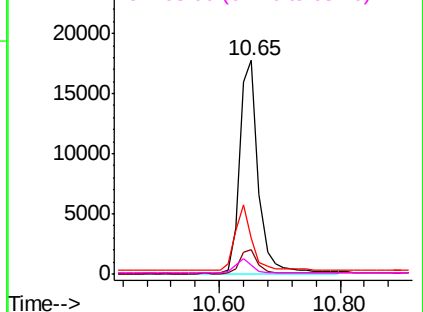
137 11.4 8.6 13.0

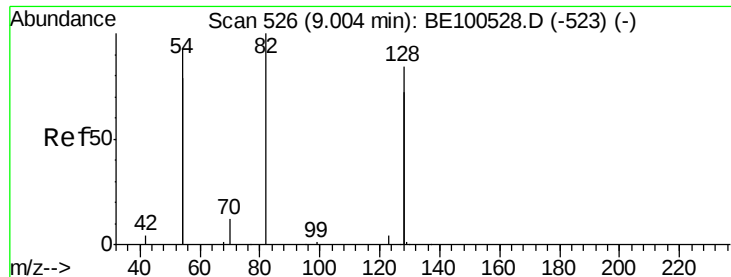
54 16.6 12.4 18.6

68 4.0 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: 0.290 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100537.D

Acq: 23 Sep 2019 13:09

Instrument :

BNA\_E

ClientSampleId :

PB123105BL

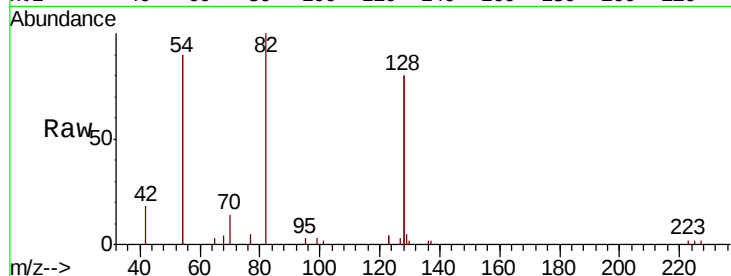
Tot Ion: 82 Resp: 6338

Ion Ratio Lower Upper

82 100

128 159.7 129.4 194.2

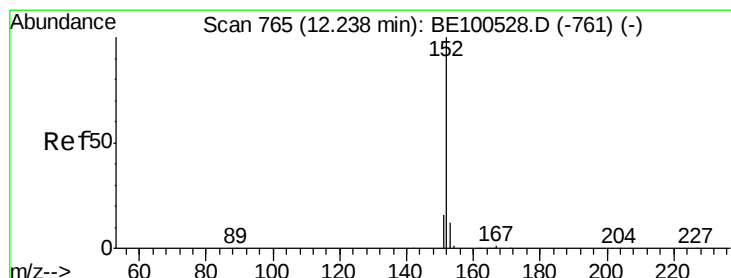
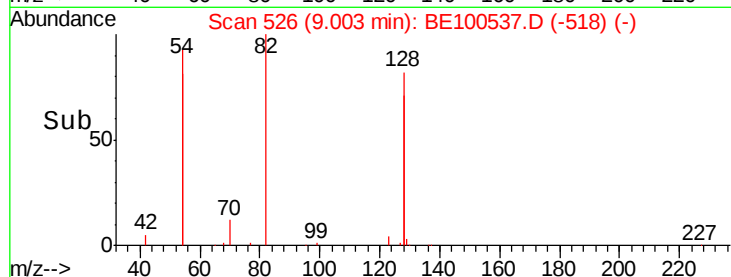
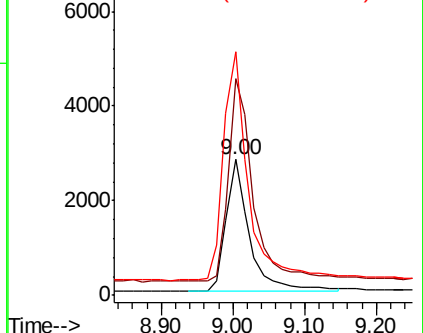
54 179.5 143.3 214.9



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.285 ng

RT: 12.24 min Scan# 765

Delta R.T. 0.00 min

Lab File: BE100537.D

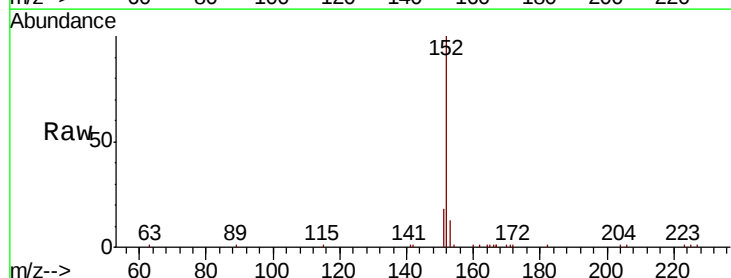
Acq: 23 Sep 2019 13:09

Tgt Ion: 152 Resp: 16190

Ion Ratio Lower Upper

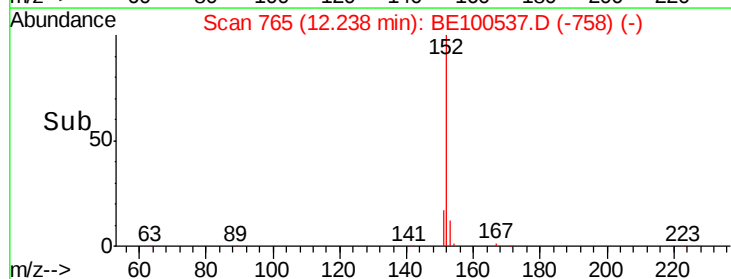
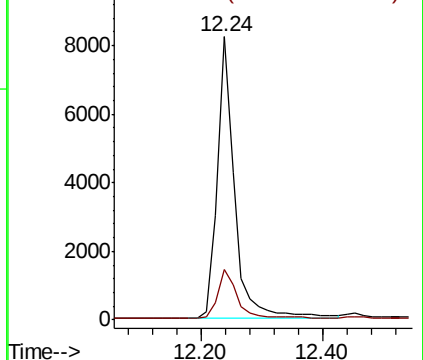
152 100

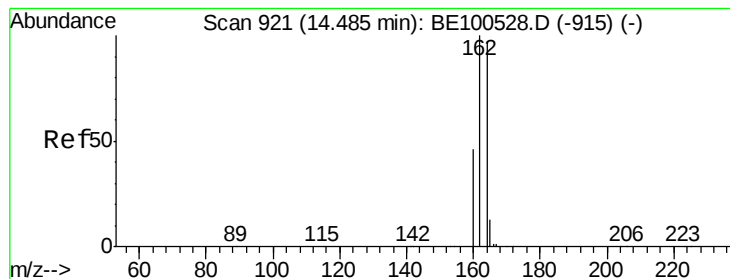
151 19.1 15.3 22.9



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: BE100537.D

Acq: 23 Sep 2019 13:09

Instrument :

BNA\_E

ClientSampleId :

PB123105BL

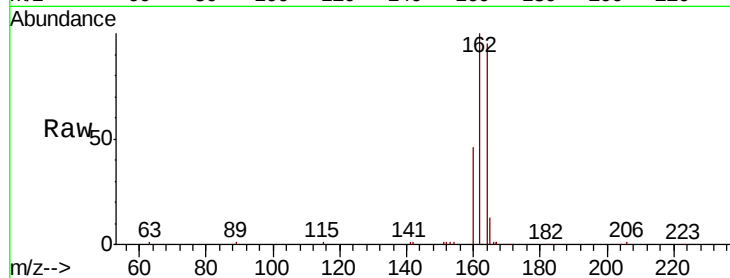
Tot Ion:164 Resp: 18310

Ion Ratio Lower Upper

164 100

162 105.0 82.1 123.1

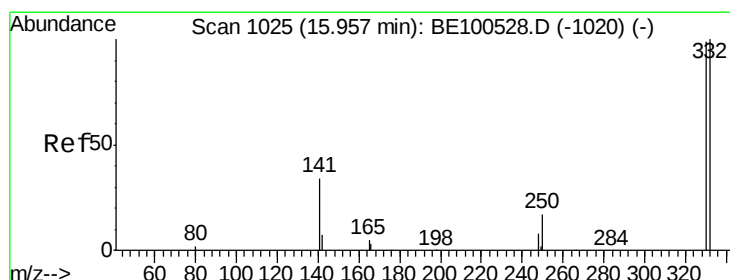
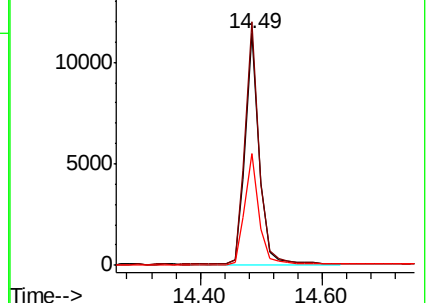
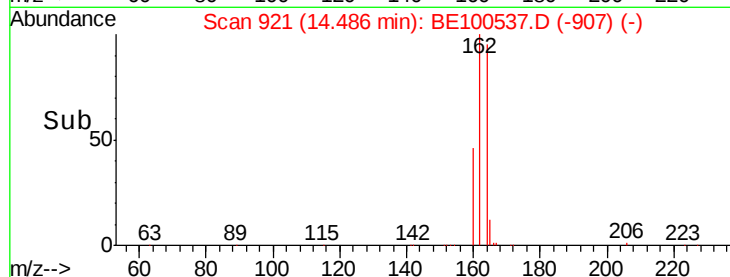
160 48.0 37.6 56.4



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: 0.206 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE100537.D

Acq: 23 Sep 2019 13:09

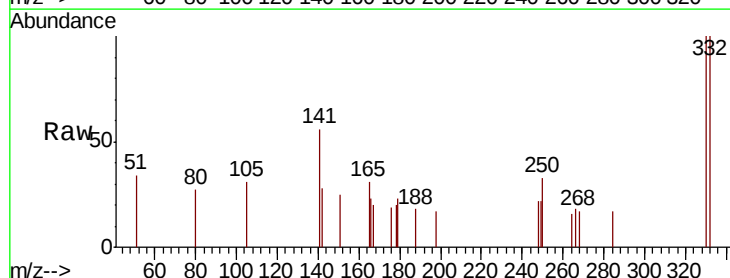
Tgt Ion:330 Resp: 610

Ion Ratio Lower Upper

330 100

332 105.1 75.5 113.3

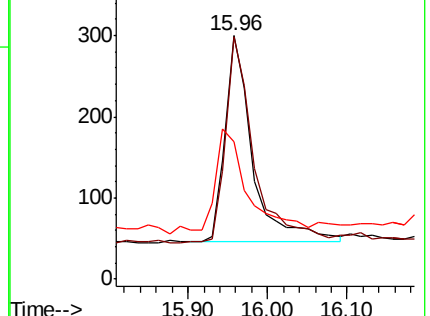
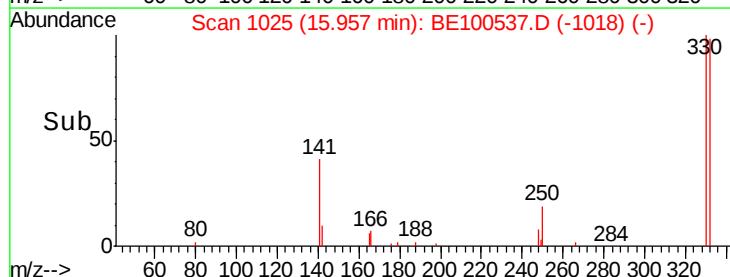
141 53.1 42.3 63.5

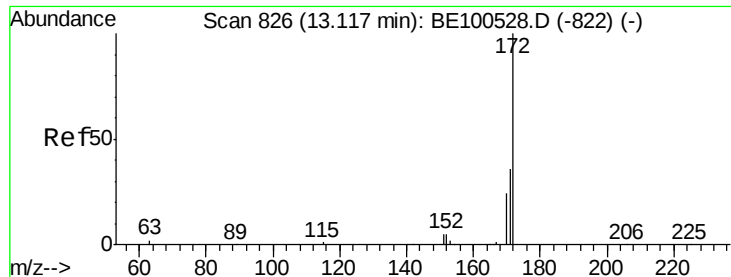


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

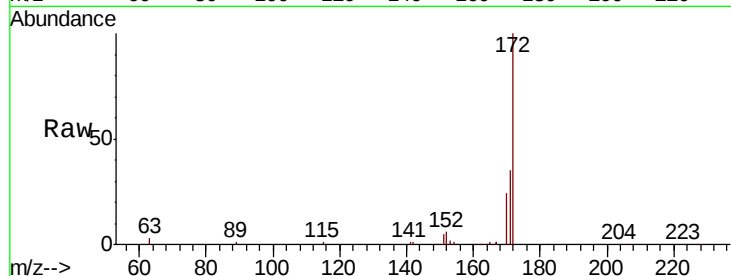




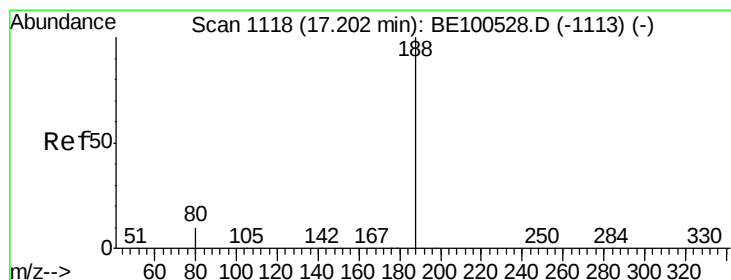
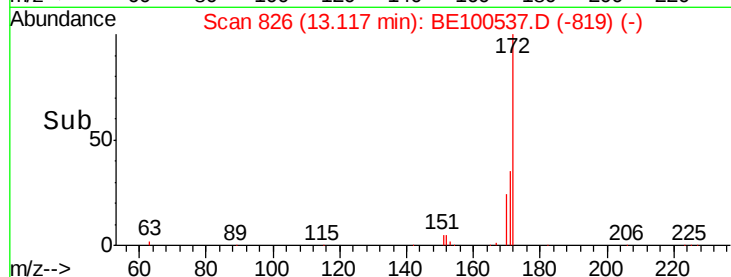
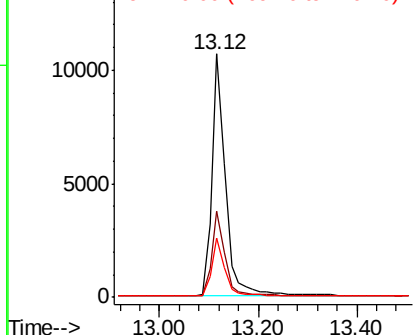
#15  
2-Fluorobiphenyl  
Concen: 0.313 ng  
RT: 13.12 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BE100537.D  
Acq: 23 Sep 2019 13:09

Instrument :  
BNA\_E  
ClientSampleId :  
PB123105BL

Tot Ion:172 Resp: 20440  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.8 43.2  
170 24.3 19.4 29.0

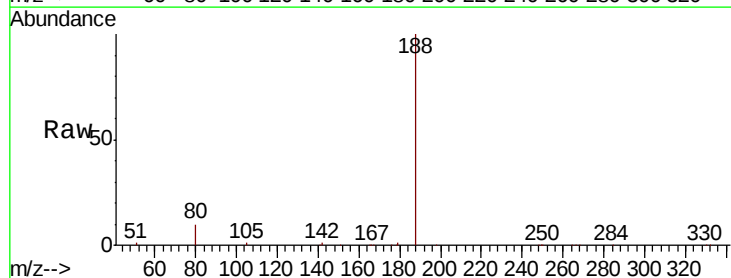


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

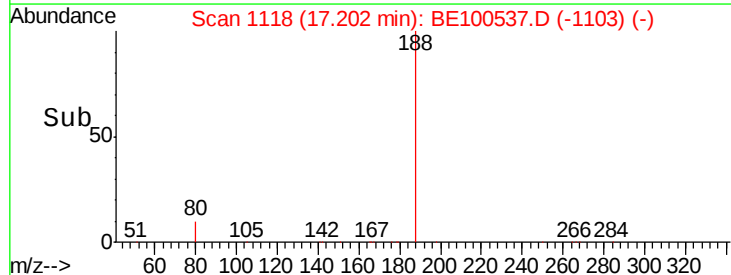
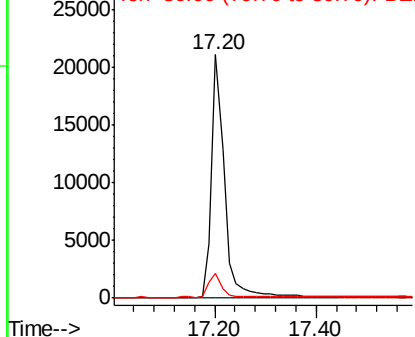


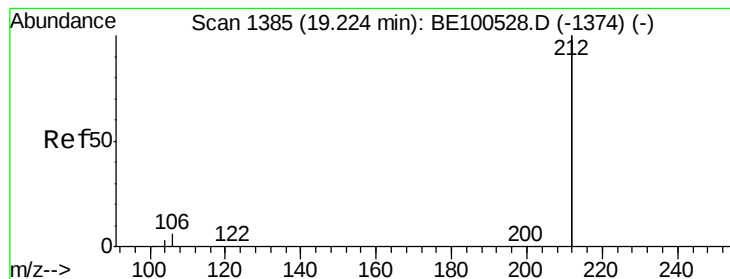
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.20 min Scan# 1118  
Delta R.T. 0.00 min  
Lab File: BE100537.D  
Acq: 23 Sep 2019 13:09

Tgt Ion:188 Resp: 37433  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.2 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE1  
Ion 80.00 (79.70 to 80.70): BE1





#25

Fluoranthene-d10

Concen: 0.243 ng

RT: 19.23 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BE100537.D

Acq: 23 Sep 2019 13:09

Instrument :

BNA\_E

ClientSampleId :

PB123105BL

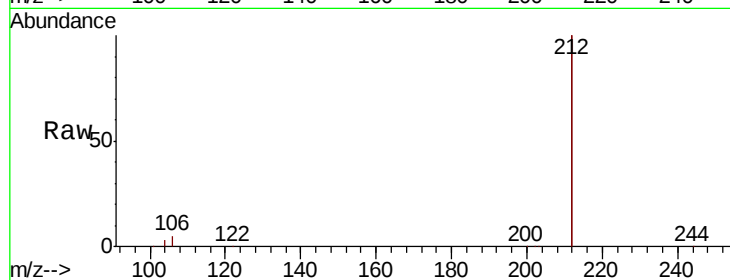
Tot Ion:212 Resp: 108349

Ion Ratio Lower Upper

212 100

106 3.0 2.3 3.5

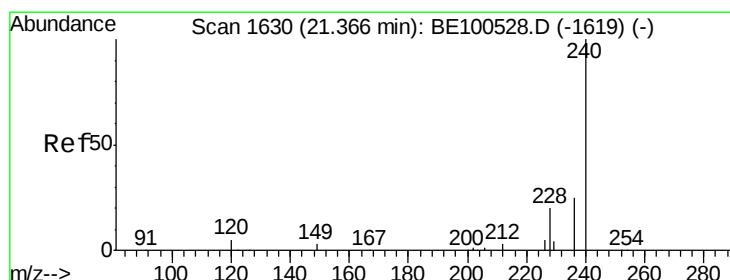
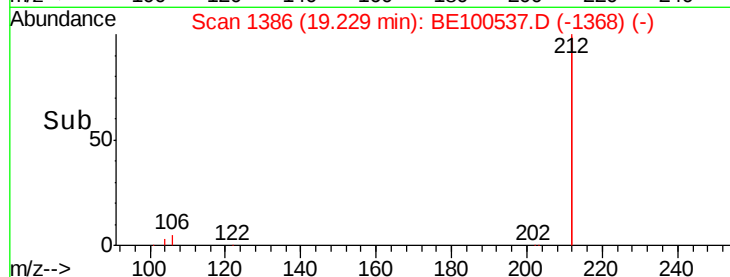
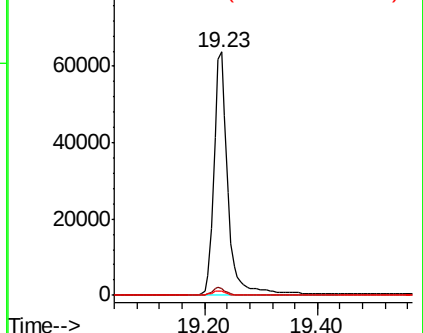
104 1.7 1.3 1.9



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: BE100537.D

Acq: 23 Sep 2019 13:09

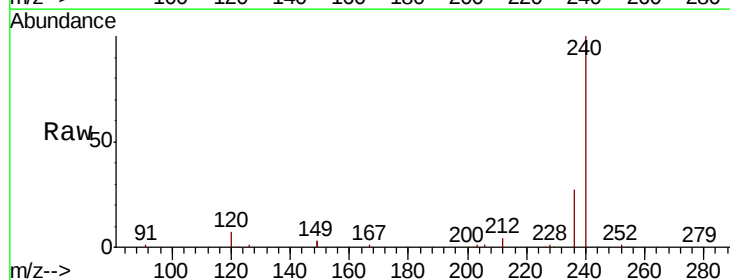
Tgt Ion:240 Resp: 32285

Ion Ratio Lower Upper

240 100

120 6.8 4.5 6.7#

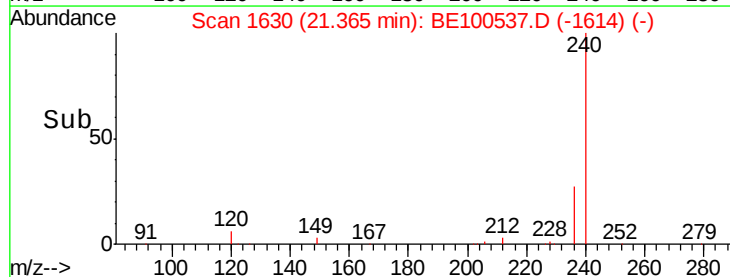
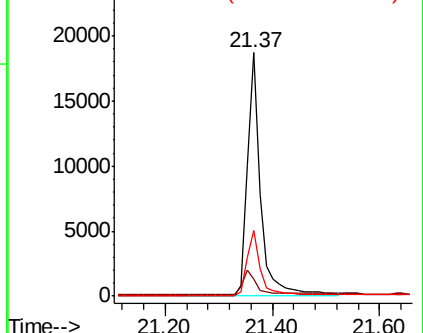
236 27.0 20.6 30.8

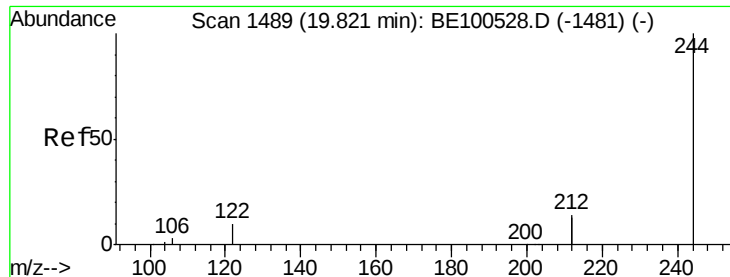


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.308 ng

RT: 19.82 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BE100537.D

Acq: 23 Sep 2019 13:09

Instrument :

BNA\_E

ClientSampleId :

PB123105BL

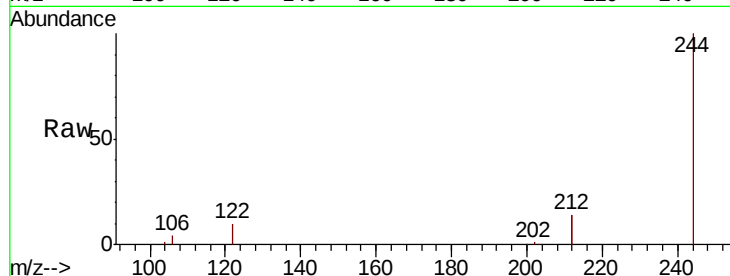
Tot Ion:244 Resp: 23521

Ion Ratio Lower Upper

244 100

212 27.7 22.2 33.2

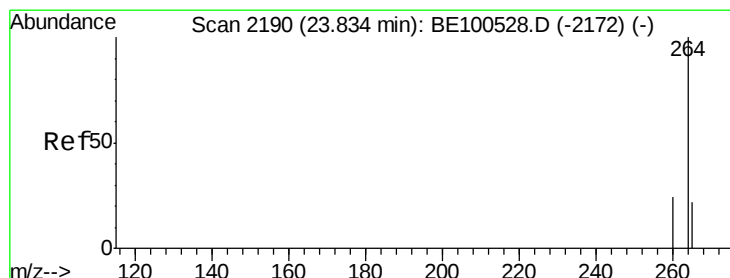
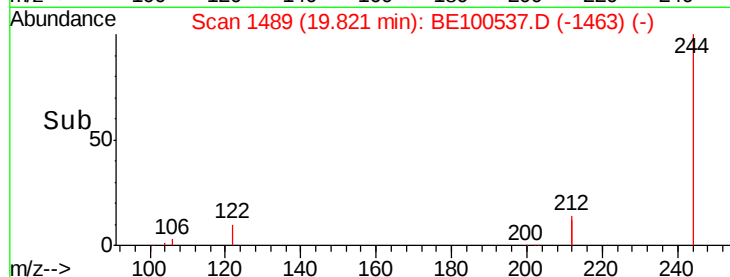
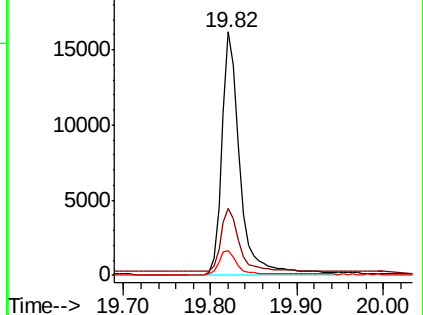
122 10.4 8.3 12.5



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.84 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BE100537.D

Acq: 23 Sep 2019 13:09

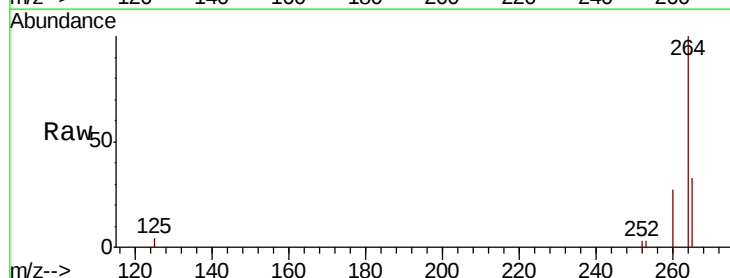
Tgt Ion:264 Resp: 17327

Ion Ratio Lower Upper

264 100

260 26.7 19.6 29.4

265 33.0 21.8 32.8#



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

