

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121019\  
 Data File : BE100807.D  
 Acq On : 10 Dec 2019 12:11  
 Operator : JU  
 Sample : PB125315BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB125315BL

Quant Time: Dec 10 14:30:00 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 04 17:18:11 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.77  | 152  | 5390     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.54 | 136  | 22417    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10        | 14.40 | 164  | 11149    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 17.12 | 188  | 26049    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12            | 21.31 | 240  | 23864    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12            | 23.75 | 264  | 29217    | 0.40 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.37  | 112  | 6192     | 0.48 | ng    | 0.00     |
| 5) Phenol-d6                | 6.93  | 99   | 9328     | 0.48 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.90  | 82   | 6168     | 0.58 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.14 | 152  | 13627    | 0.42 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.88 | 330  | 855      | 0.69 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.03 | 172  | 17766    | 0.40 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.16 | 212  | 124227   | 0.40 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.76 | 244  | 23668    | 0.41 | ng    | 0.00     |

Target Compounds Qvalue

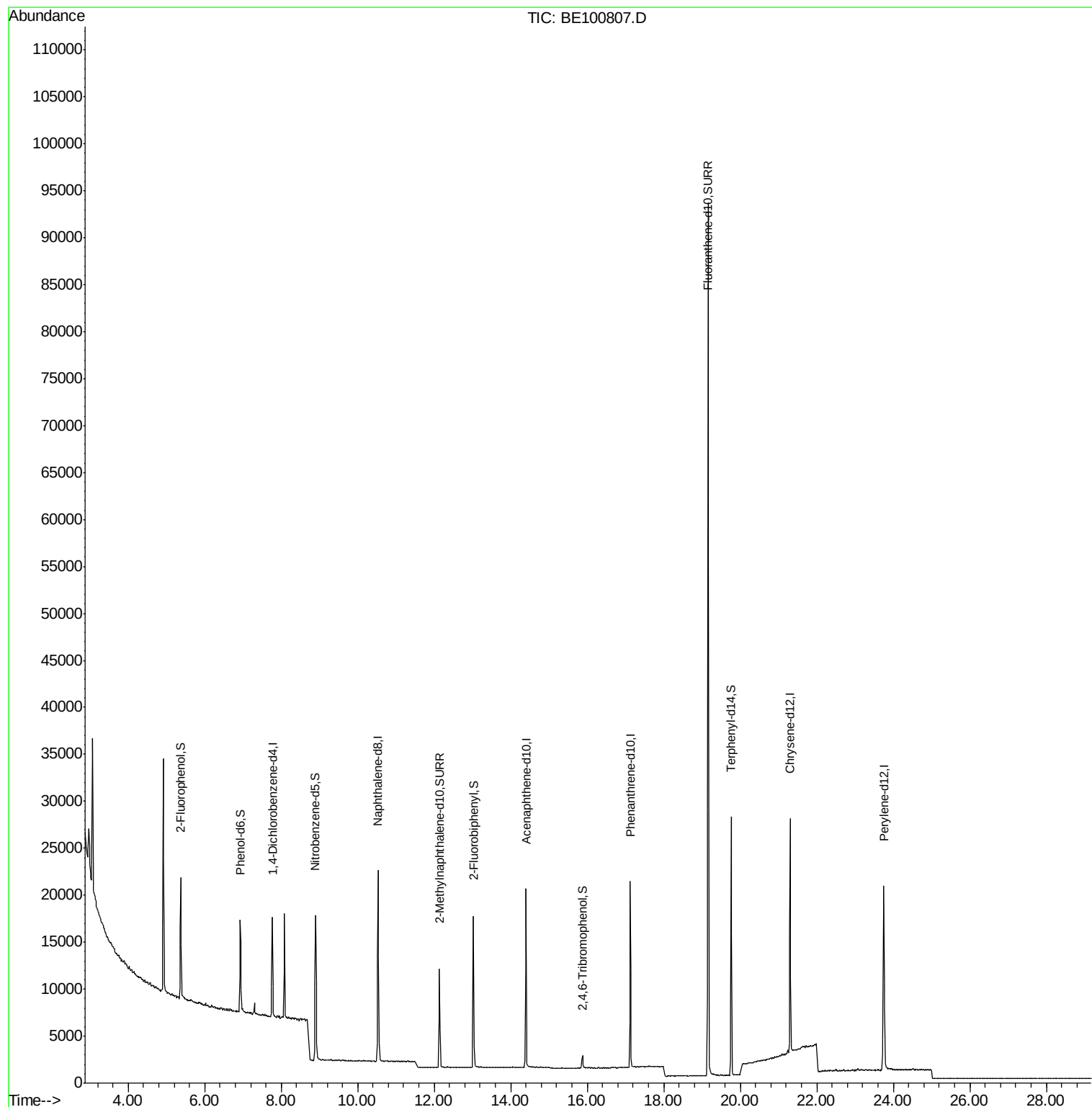
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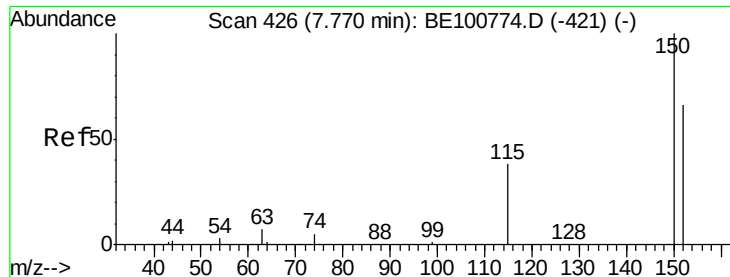
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
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QLast Update : Wed Dec 04 17:18:11 2019  
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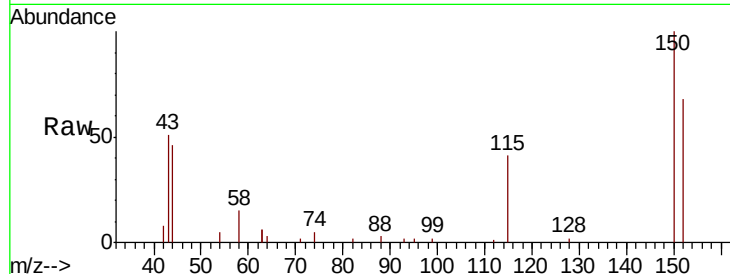




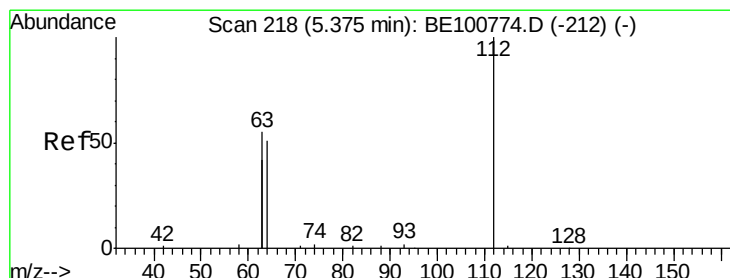
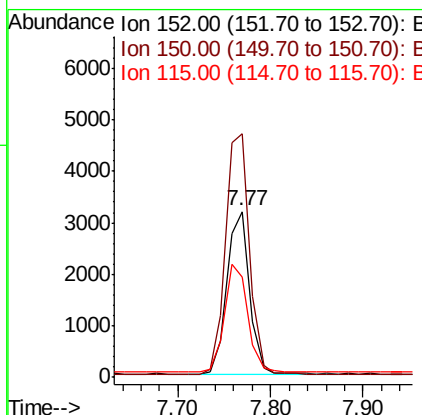
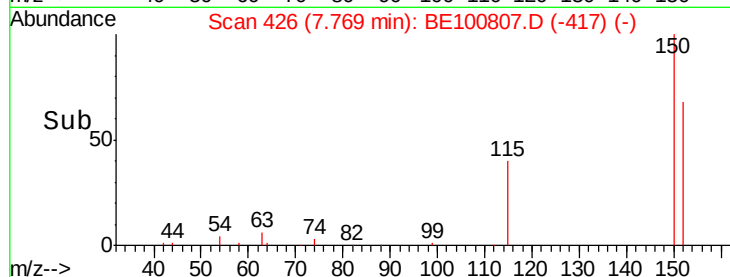
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.77 min Scan# 426  
 Delta R.T. -0.00 min  
 Lab File: BE100807.D  
 Acq: 10 Dec 2019 12:11

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB125315BL

Tot Ion:152 Resp: 5390  
 Ion Ratio Lower Upper  
 152 100  
 150 146.6 120.6 181.0  
 115 60.4 47.4 71.2

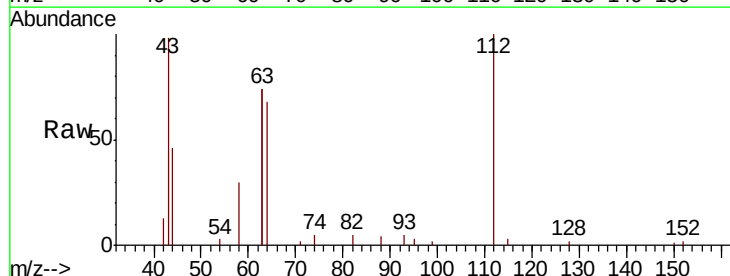


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

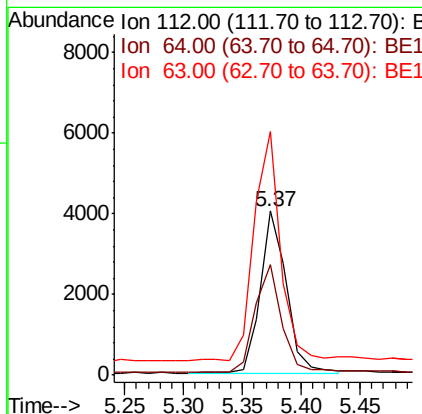
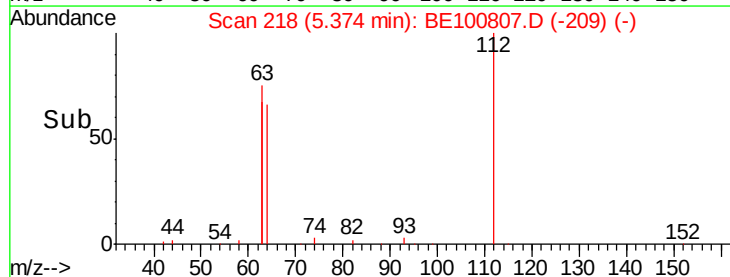


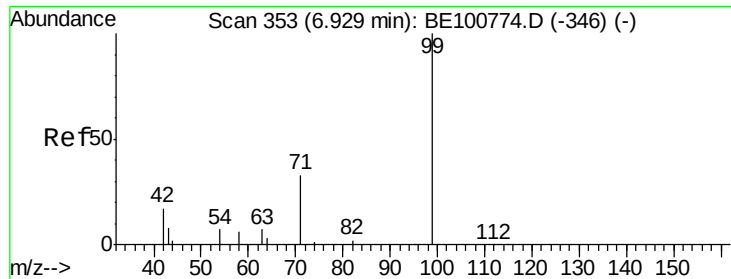
#4  
 2-Fluorophenol  
 Concen: 0.484 ng  
 RT: 5.37 min Scan# 218  
 Delta R.T. -0.00 min  
 Lab File: BE100807.D  
 Acq: 10 Dec 2019 12:11

Tgt Ion:112 Resp: 6192  
 Ion Ratio Lower Upper  
 112 100  
 64 68.1 54.1 81.1  
 63 143.5 113.2 169.8



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: 0.483 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.00 min

Lab File: BE100807.D

Acq: 10 Dec 2019 12:11

Instrument :

BNA\_E

ClientSampleId :

PB125315BL

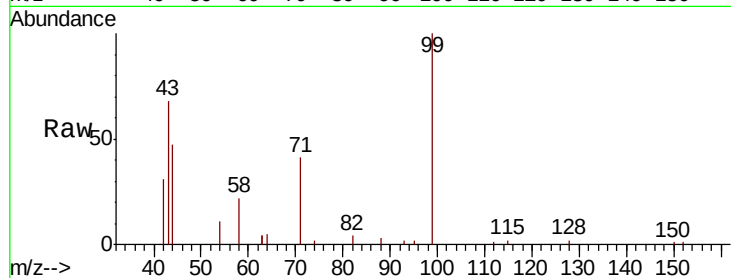
Tot Ion: 99 Resp: 9328

Ion Ratio Lower Upper

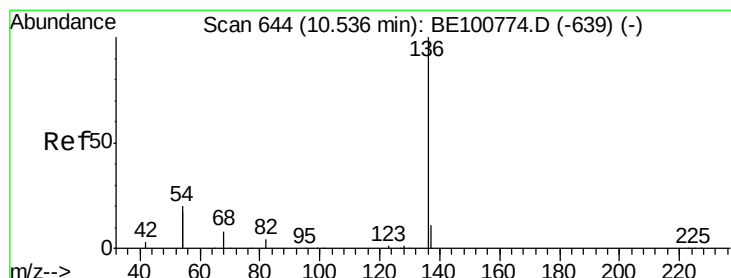
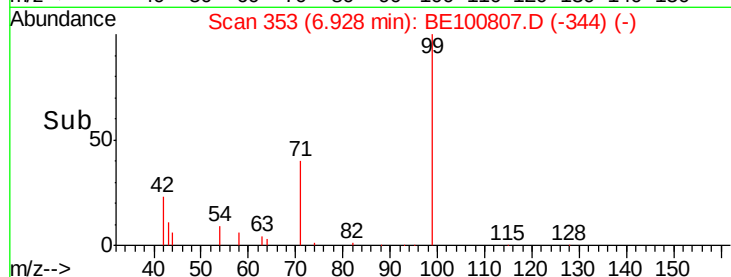
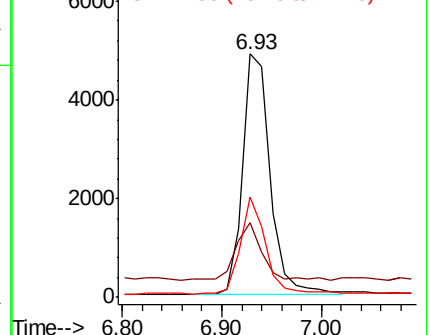
99 100

42 22.8 19.1 28.7

71 36.7 27.7 41.5



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: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100807.D

Acq: 10 Dec 2019 12:11

Tgt Ion: 136 Resp: 22417

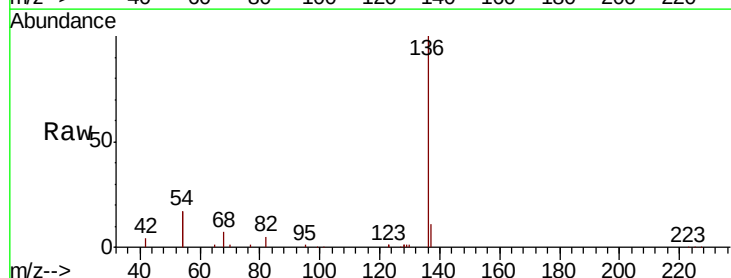
Ion Ratio Lower Upper

136 100

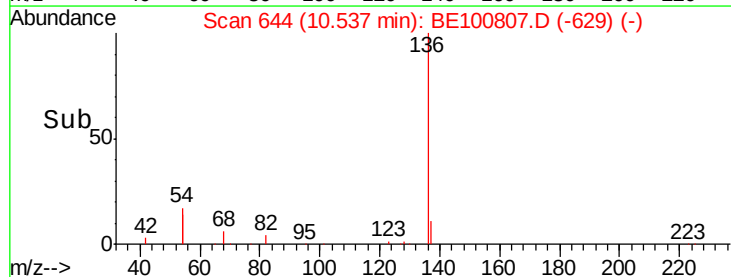
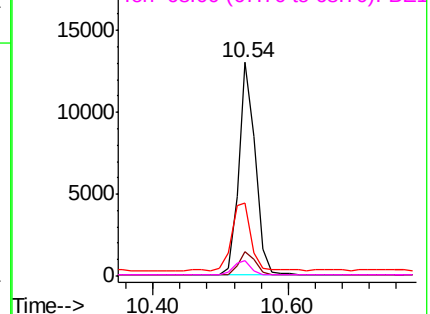
137 11.3 9.4 14.0

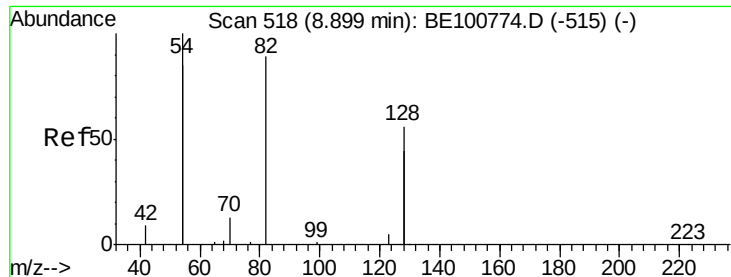
54 33.9 31.1 46.7

68 7.0 6.6 10.0



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: 0.578 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100807.D

Acq: 10 Dec 2019 12:11

Instrument :

BNA\_E

ClientSampleId :

PB125315BL

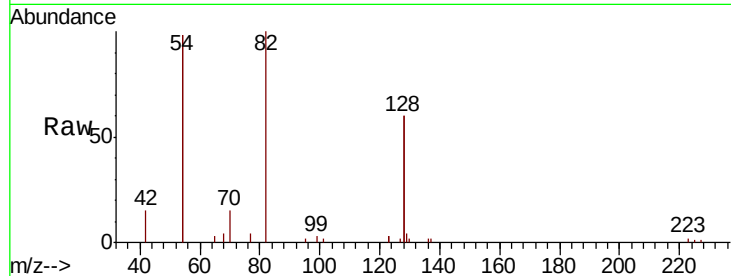
Tot Ion: 82 Resp: 6168

Ion Ratio Lower Upper

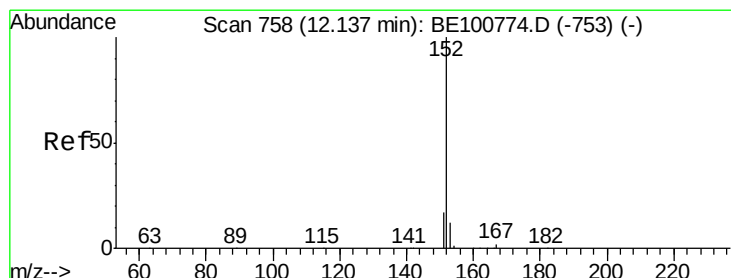
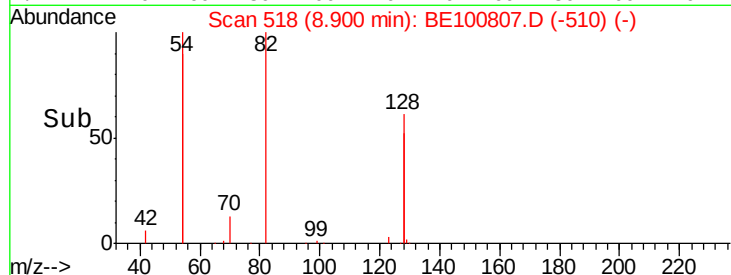
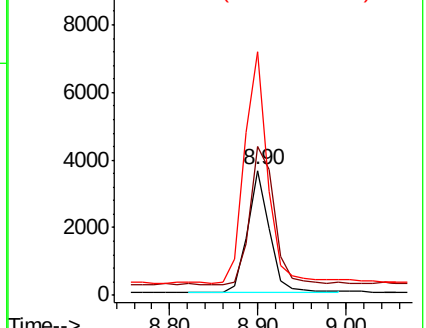
82 100

128 119.5 97.0 145.4

54 195.1 171.8 257.6



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: 0.420 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100807.D

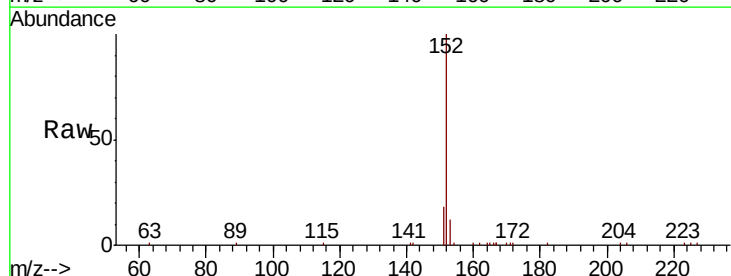
Acq: 10 Dec 2019 12:11

Tgt Ion: 152 Resp: 13627

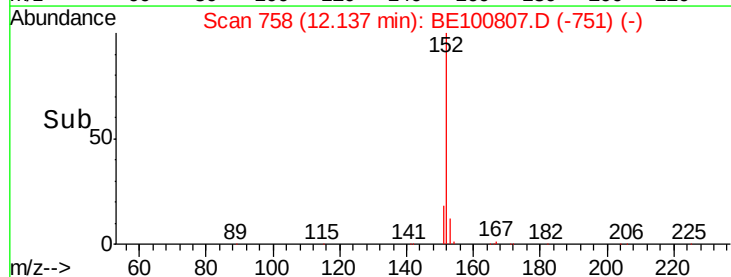
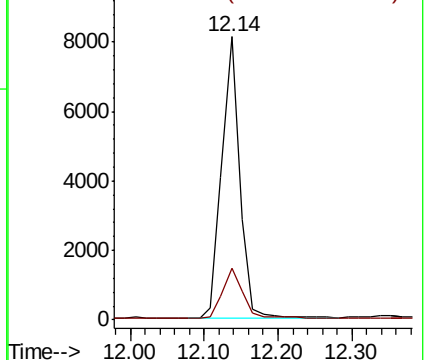
Ion Ratio Lower Upper

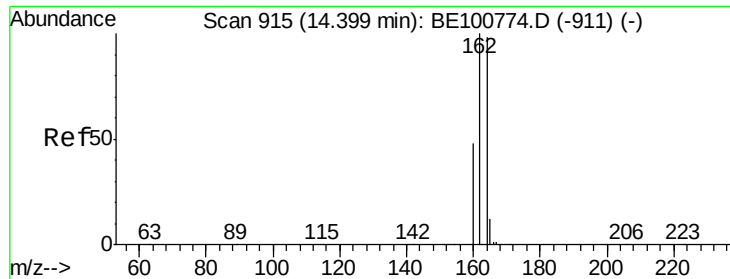
152 100

151 19.5 15.8 23.8



Abundance Ion 152.00 (151.70 to 152.70): BE1  
Ion 151.00 (150.70 to 151.70): BE1

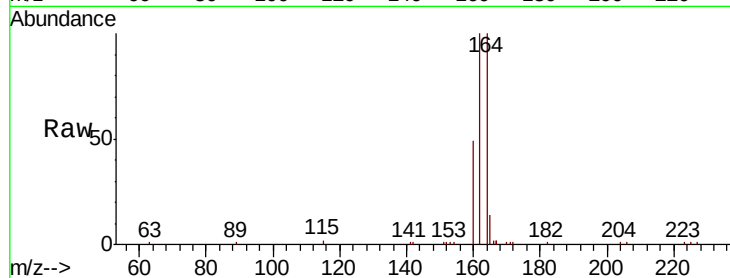




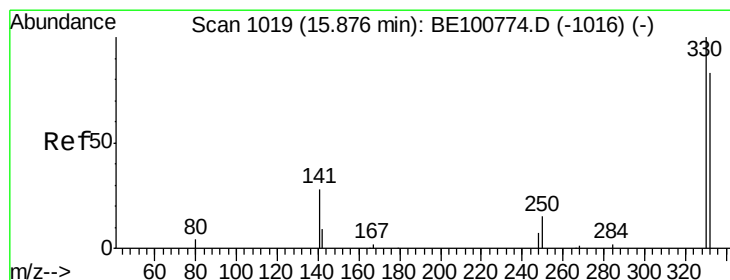
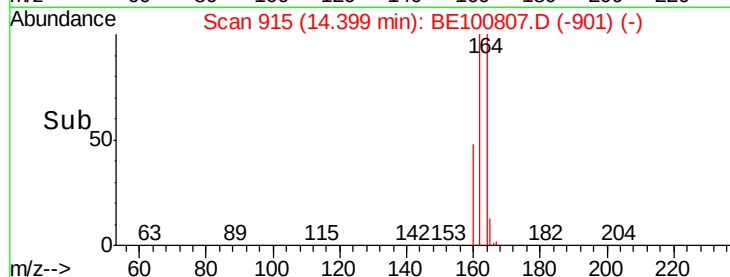
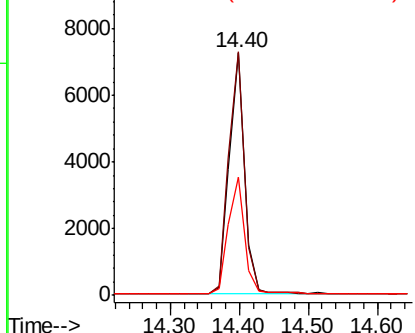
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.40 min Scan# 915  
 Delta R.T. 0.00 min  
 Lab File: BE100807.D  
 Acq: 10 Dec 2019 12:11

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB125315BL

Tot Ion:164 Resp: 11149  
 Ion Ratio Lower Upper  
 164 100  
 162 100.2 81.4 122.0  
 160 48.7 39.4 59.0

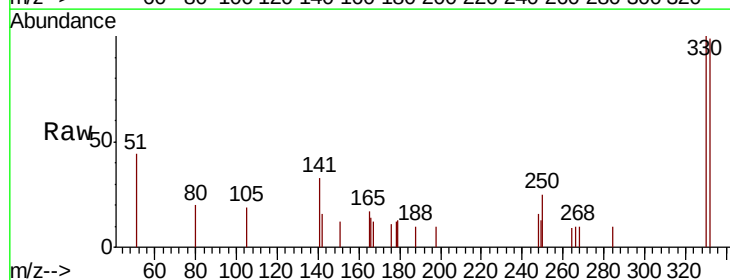


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

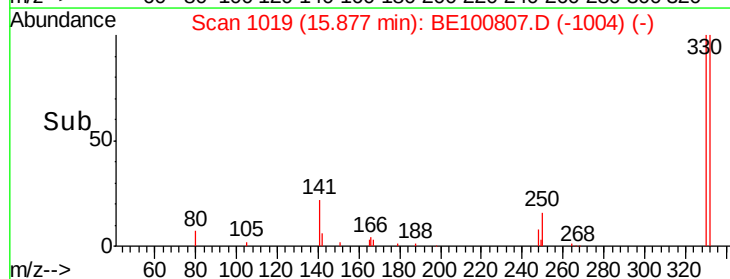
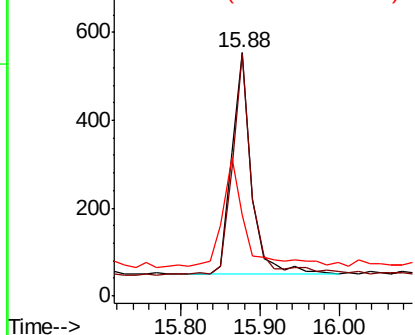


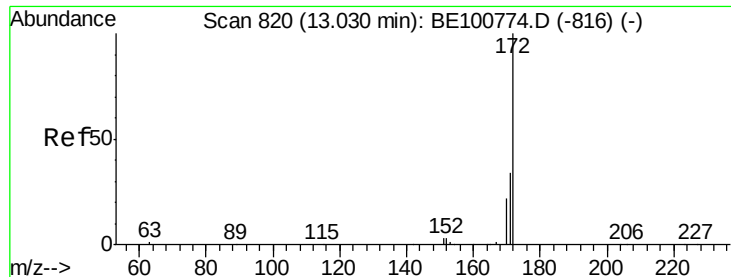
#14  
 2,4,6-Tribromophenol  
 Concen: 0.690 ng  
 RT: 15.88 min Scan# 1019  
 Delta R.T. 0.00 min  
 Lab File: BE100807.D  
 Acq: 10 Dec 2019 12:11

Tgt Ion:330 Resp: 855  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 69.4 104.2  
 141 51.5 51.1 76.7



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

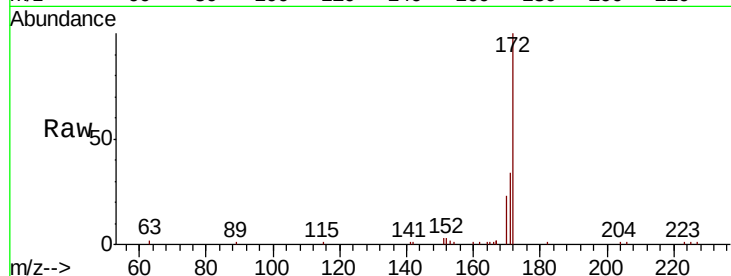




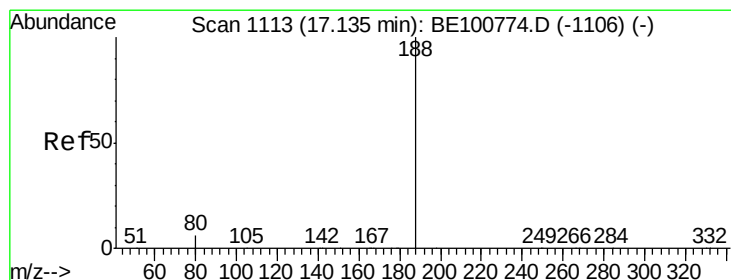
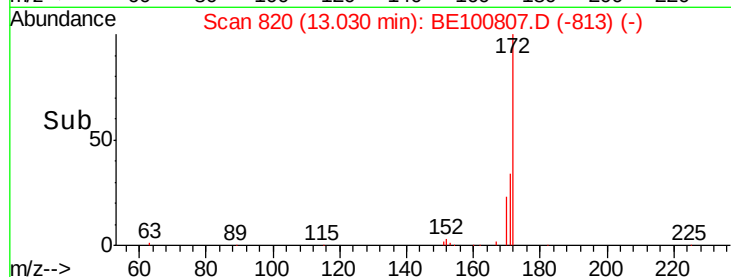
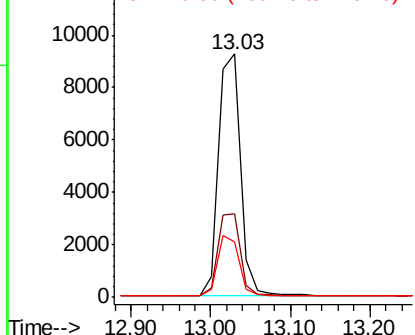
#15  
2-Fluorobiphenyl  
Concen: 0.402 ng  
RT: 13.03 min Scan# 820  
Delta R.T. 0.00 min  
Lab File: BE100807.D  
Acq: 10 Dec 2019 12:11

Instrument :  
BNA\_E  
ClientSampleId :  
PB125315BL

Tot Ion:172 Resp: 17766  
Ion Ratio Lower Upper  
172 100  
171 34.4 27.2 40.8  
170 23.0 18.0 27.0

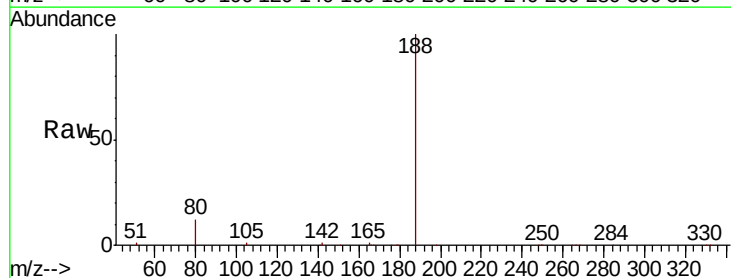


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

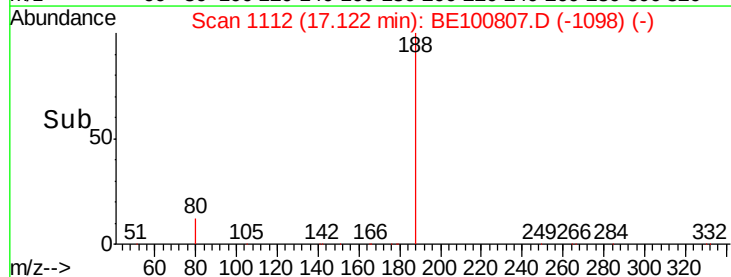
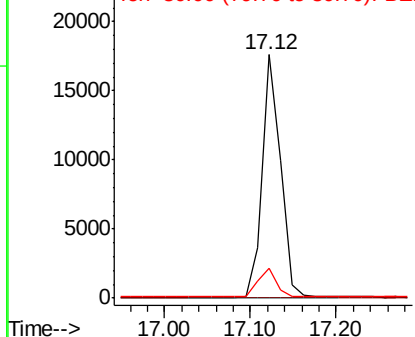


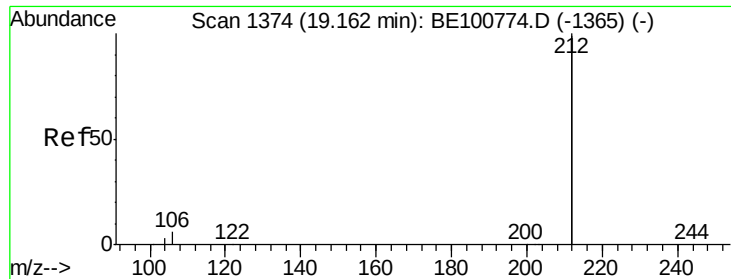
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.12 min Scan# 1112  
Delta R.T. -0.01 min  
Lab File: BE100807.D  
Acq: 10 Dec 2019 12:11

Tgt Ion:188 Resp: 26049  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.5 5.2 7.8#



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: 0.404 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE100807.D

Acq: 10 Dec 2019 12:11

Instrument :

BNA\_E

ClientSampleId :

PB125315BL

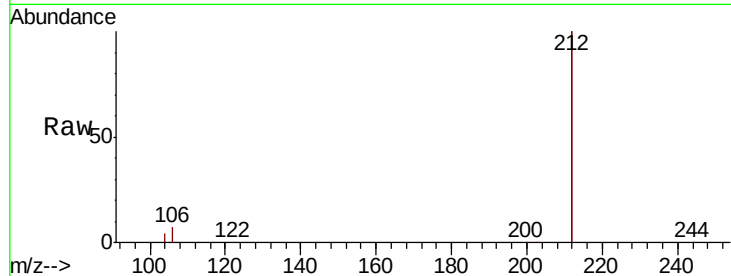
Tot Ion:212 Resp: 124227

Ion Ratio Lower Upper

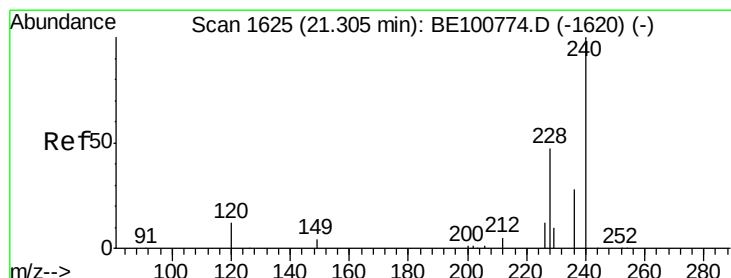
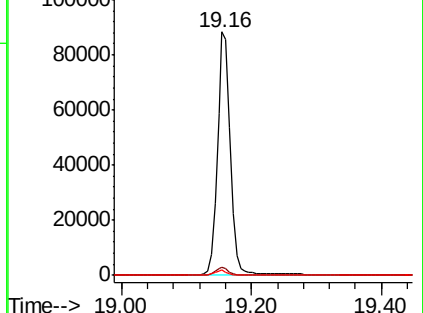
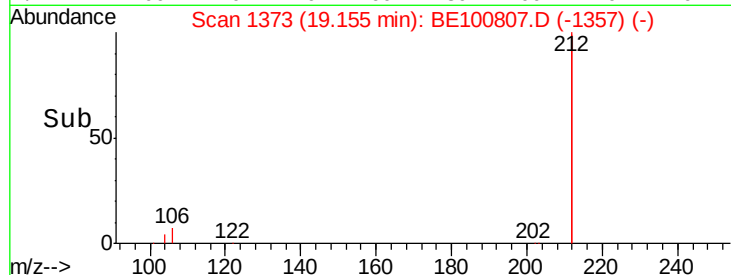
212 100

106 3.3 2.6 3.8

104 1.8 1.4 2.2



Abundance Ion 212.00 (211.70 to 212.70): E  
120000  
Ion 106.00 (105.70 to 106.70): E  
100000  
Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE100807.D

Acq: 10 Dec 2019 12:11

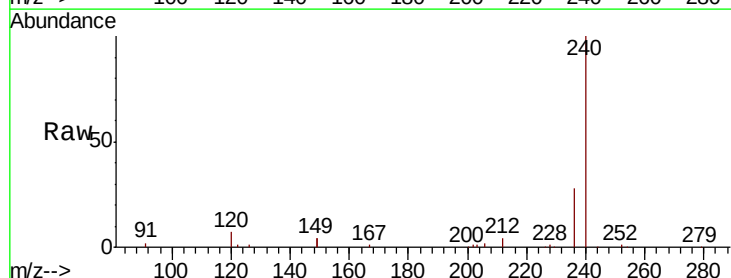
Tgt Ion:240 Resp: 23864

Ion Ratio Lower Upper

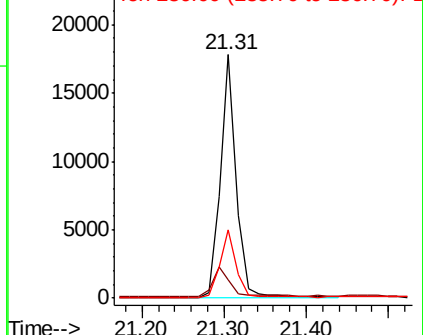
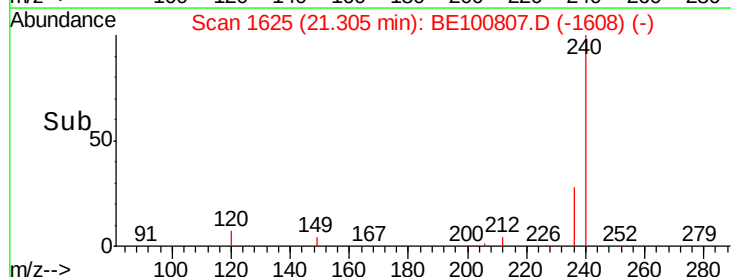
240 100

120 7.5 10.2 15.2#

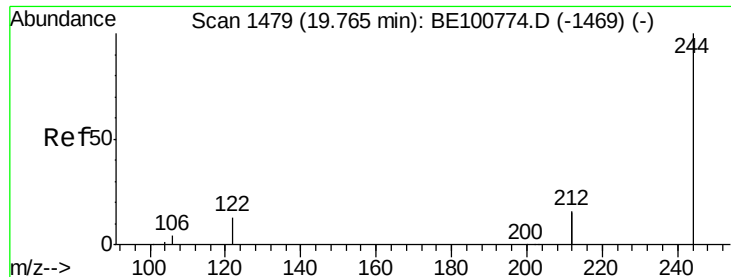
236 27.9 22.3 33.5



Abundance Ion 240.00 (239.70 to 240.70): E  
20000  
Ion 120.00 (119.70 to 120.70): E  
15000  
Ion 236.00 (235.70 to 236.70): E







#29

Terphenyl-d14

Concen: 0.414 ng

RT: 19.76 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BE100807.D

Acq: 10 Dec 2019 12:11

Instrument :

BNA\_E

ClientSampleId :

PB125315BL

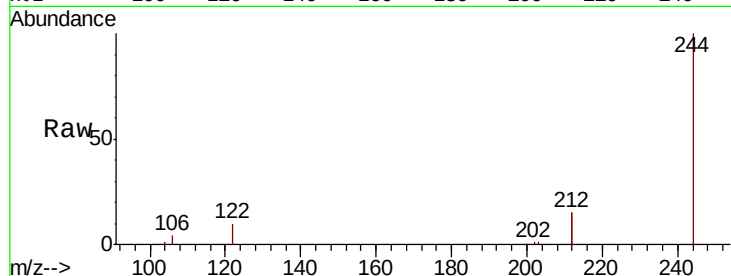
Tot Ion:244 Resp: 23668

Ion Ratio Lower Upper

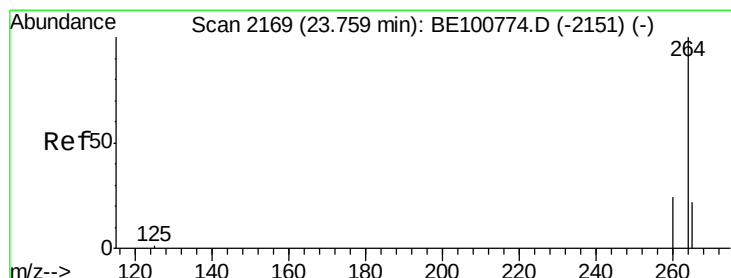
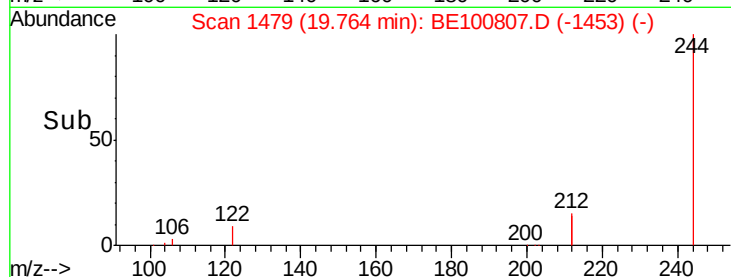
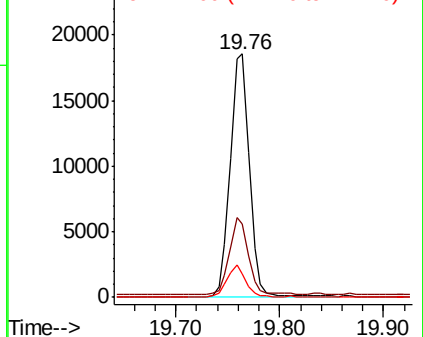
244 100

212 30.4 26.2 39.4

122 9.6 10.2 15.4#



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: 23.75 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BE100807.D

Acq: 10 Dec 2019 12:11

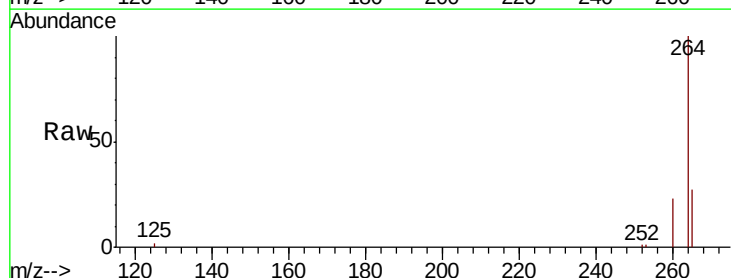
Tgt Ion:264 Resp: 29217

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.2

265 26.6 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

