

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122719\  
 Data File : BE100992.D  
 Acq On : 27 Dec 2019 14:21  
 Operator : JU  
 Sample : PB125417BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB125417BL

Quant Time: Dec 27 23:16:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE122419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 17:39:05 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 2186     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.54 | 136  | 9840     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.38 | 164  | 5647     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.12 | 188  | 11613    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.29 | 240  | 10919    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.72 | 264  | 12811    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.37  | 112  | 1379     | 0.37 | ng    | 0.00     |
| 5) Phenol-d6                | 7.01  | 99   | 701      | 0.29 | ng    | 0.03     |
| 8) Nitrobenzene-d5          | 8.94  | 82   | 1367     | 0.40 | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10 | 12.15 | 152  | 5627     | 0.39 | ng    | 0.03     |
| 14) 2,4,6-Tribromophenol    | 15.89 | 330  | 130      | 0.30 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 13.03 | 172  | 7831     | 0.39 | ng    | 0.01     |
| 25) Fluoranthene-d10        | 19.15 | 212  | 57703    | 0.41 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.75 | 244  | 10232    | 0.41 | ng    | 0.00     |

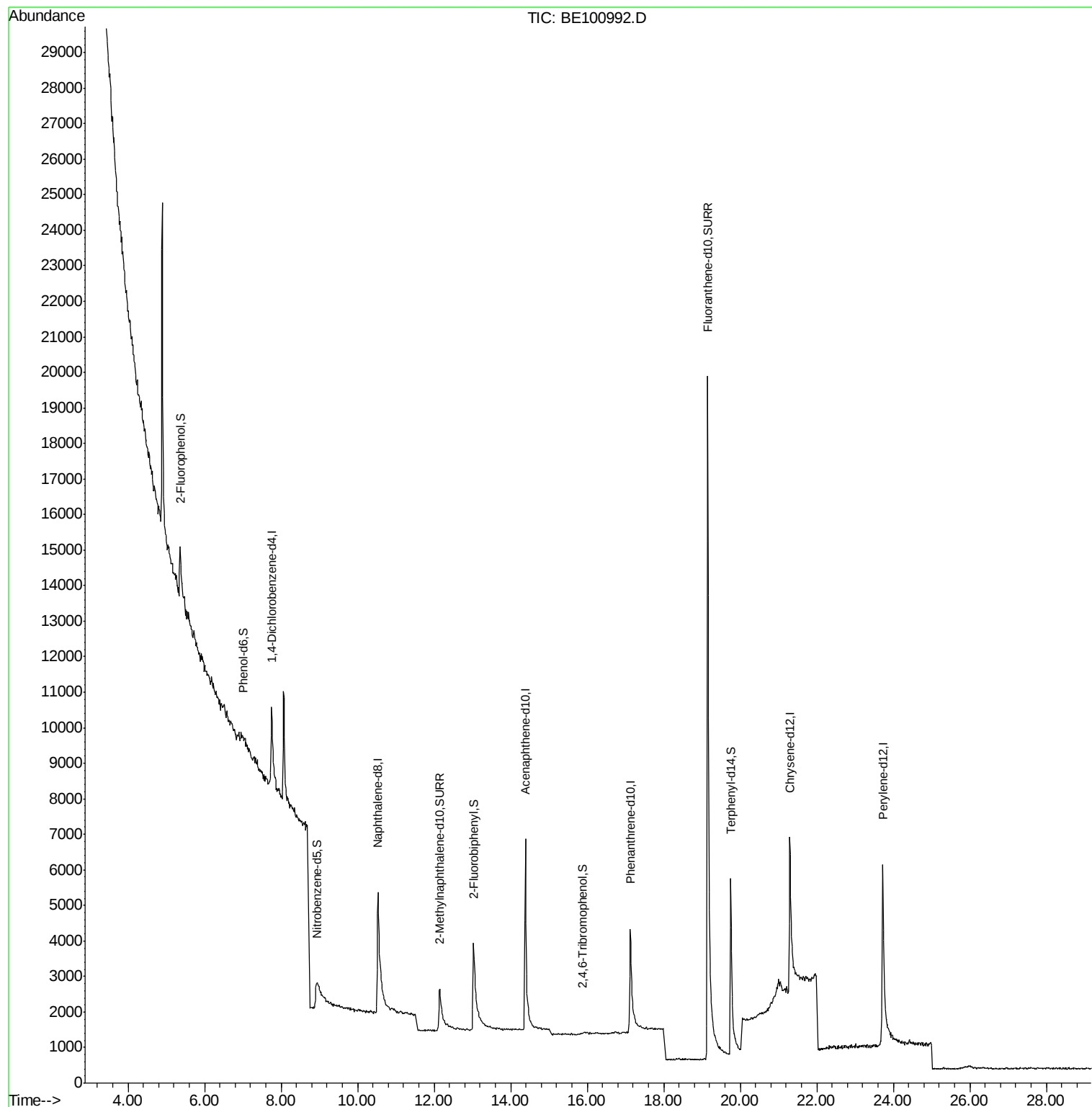
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE122419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 27 17:39:05 2019  
Response via : Initial Calibration

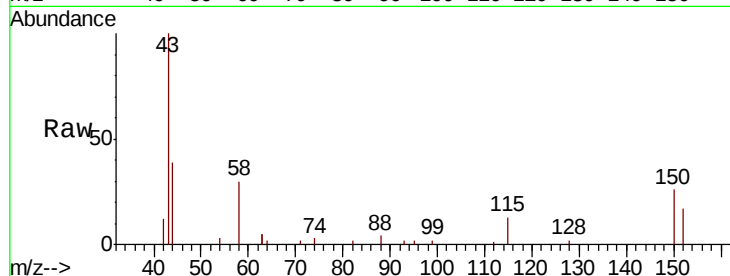




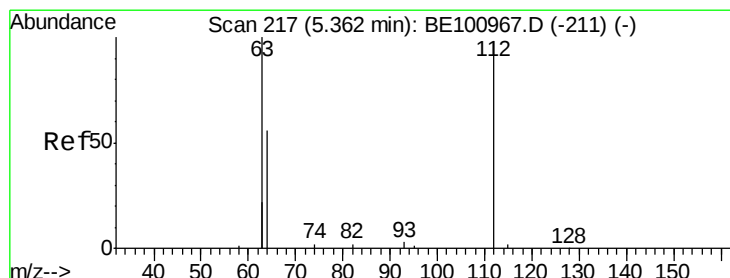
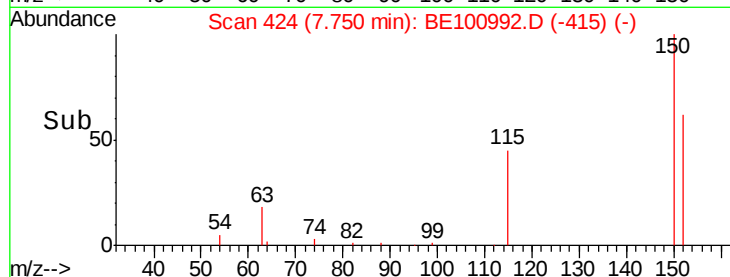
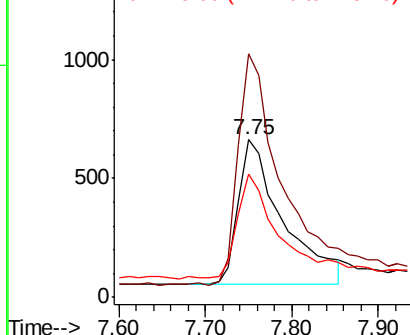
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.75 min Scan# 424  
 Delta R.T. 0.00 min  
 Lab File: BE100992.D  
 Acq: 27 Dec 2019 14:21

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB125417BL

Tot Ion:152 Resp: 2186  
 Ion Ratio Lower Upper  
 152 100  
 150 154.7 132.6 199.0  
 115 78.5 64.1 96.1

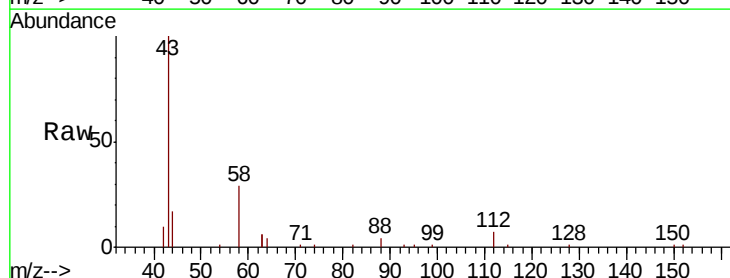


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

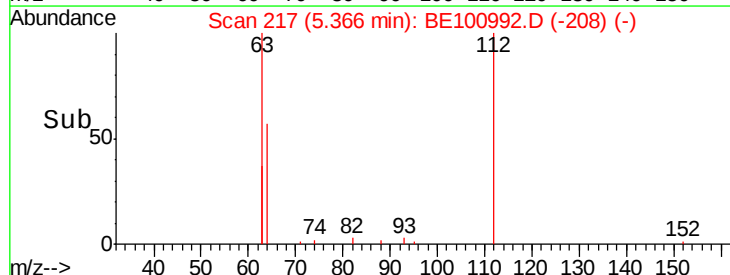
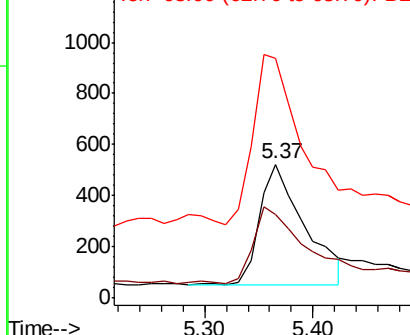


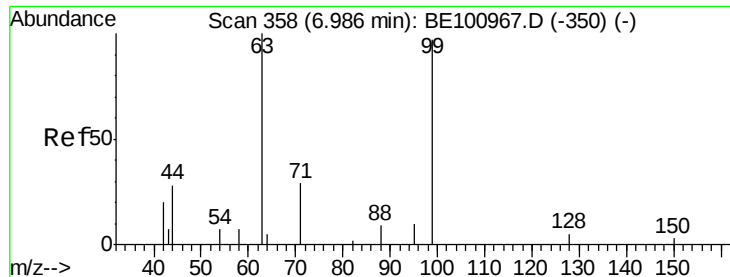
#4  
 2-Fluorophenol  
 Concen: 0.373 ng  
 RT: 5.37 min Scan# 217  
 Delta R.T. 0.00 min  
 Lab File: BE100992.D  
 Acq: 27 Dec 2019 14:21

Tgt Ion:112 Resp: 1379  
 Ion Ratio Lower Upper  
 112 100  
 64 70.1 59.0 88.6  
 63 151.4 121.4 182.0



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: 0.291 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.03 min

Lab File: BE100992.D

Acq: 27 Dec 2019 14:21

Instrument :

BNA\_E

ClientSampleId :

PB125417BL

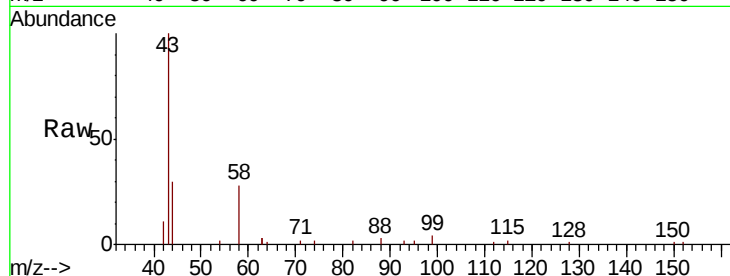
Tot Ion: 99 Resp: 701

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

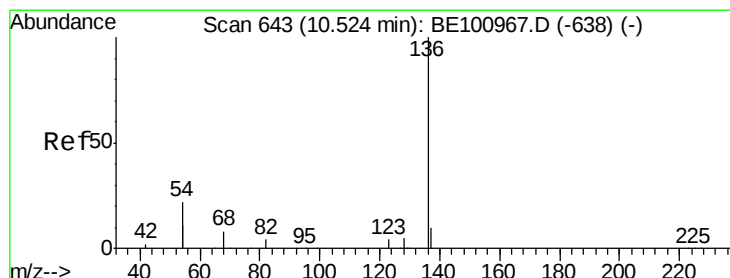
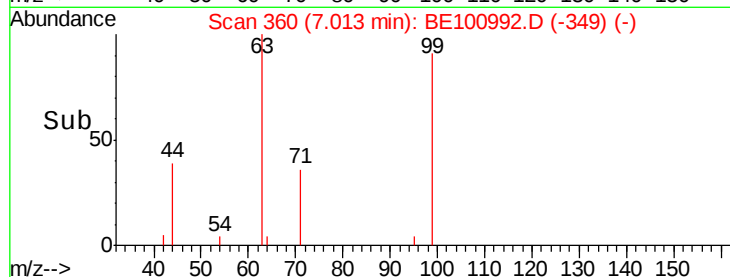
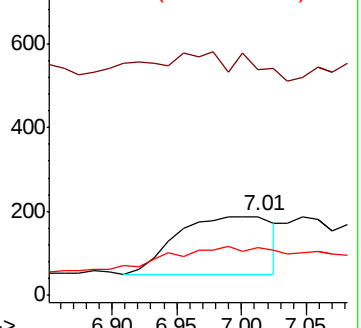
71 0.0 0.0 0.0



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: 10.54 min Scan# 644

Delta R.T. 0.01 min

Lab File: BE100992.D

Acq: 27 Dec 2019 14:21

Tgt Ion: 136 Resp: 9840

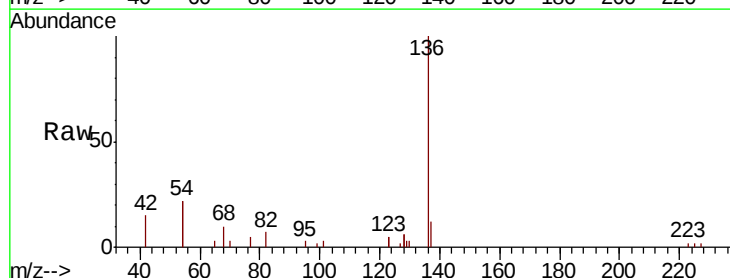
Ion Ratio Lower Upper

136 100

137 12.3 9.0 13.6

54 44.6 34.4 51.6

68 9.9 7.8 11.6

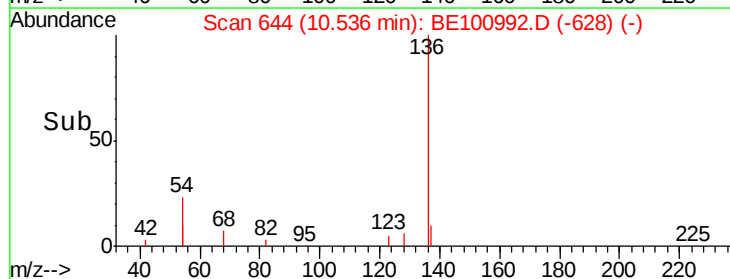
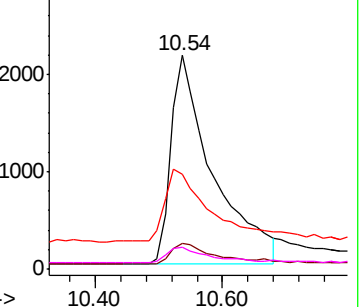


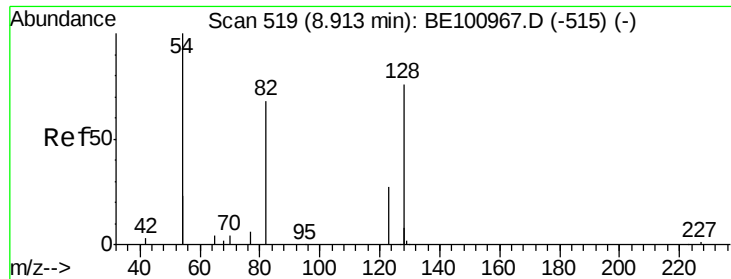
Abundance Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.396 ng

RT: 8.94 min Scan# 521

Delta R.T. 0.03 min

Lab File: BE100992.D

Acq: 27 Dec 2019 14:21

Instrument :

BNA\_E

ClientSampleId :

PB125417BL

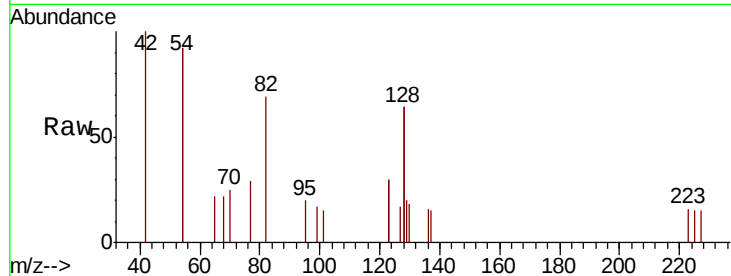
Tot Ion: 82 Resp: 1367

Ion Ratio Lower Upper

82 100

128 185.5 140.2 210.2

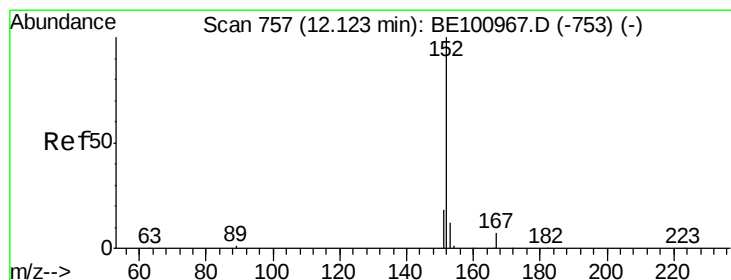
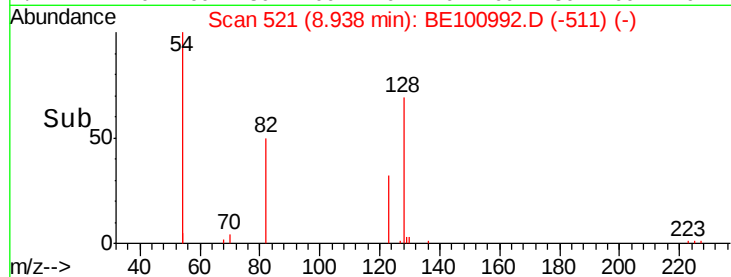
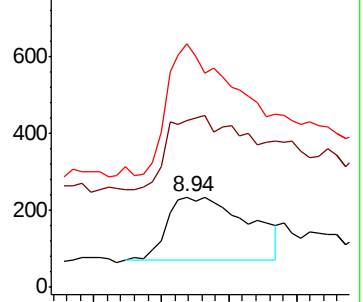
54 269.8 183.8 275.6



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: 0.389 ng

RT: 12.15 min Scan# 759

Delta R.T. 0.03 min

Lab File: BE100992.D

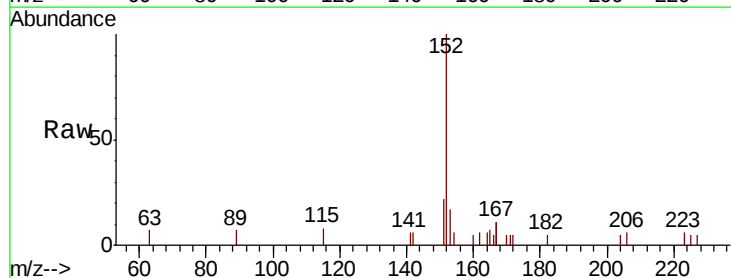
Acq: 27 Dec 2019 14:21

Tgt Ion: 152 Resp: 5627

Ion Ratio Lower Upper

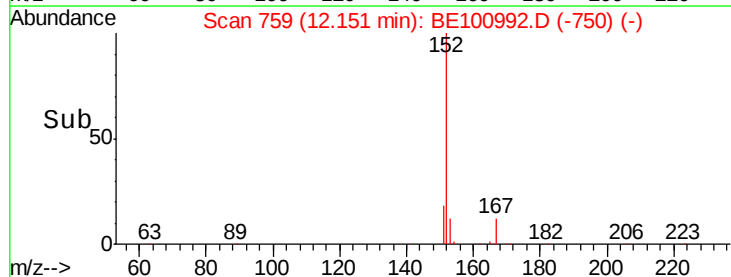
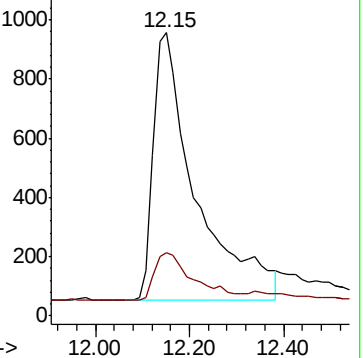
152 100

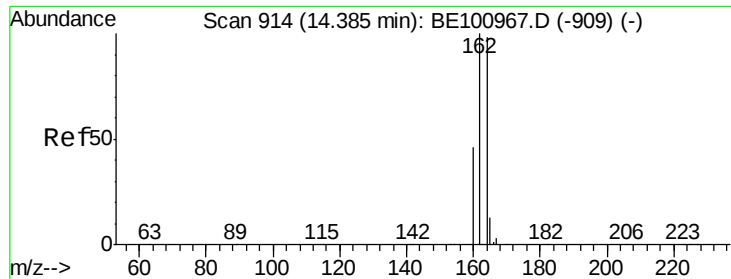
151 17.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

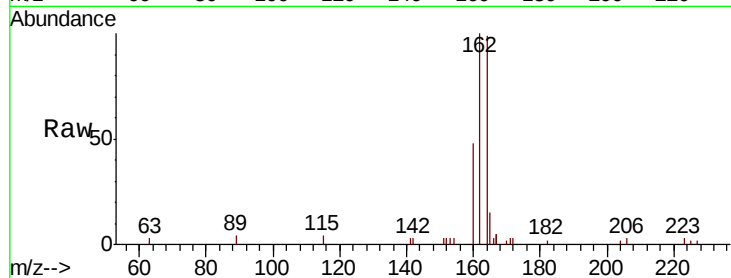




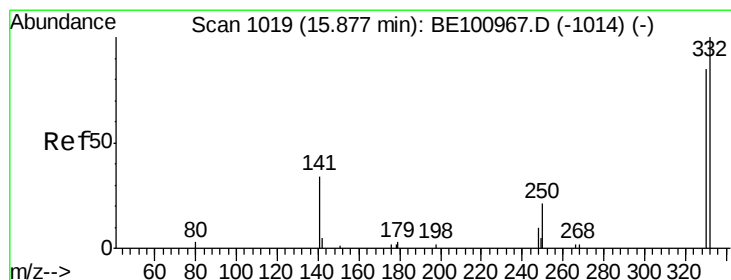
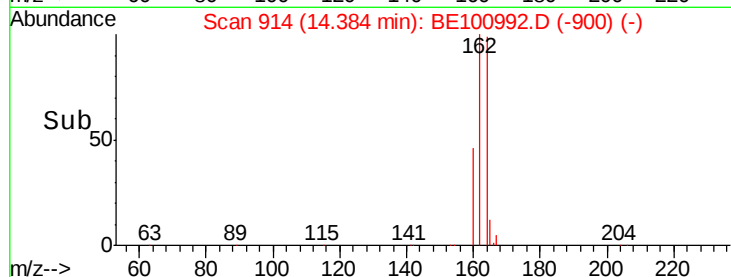
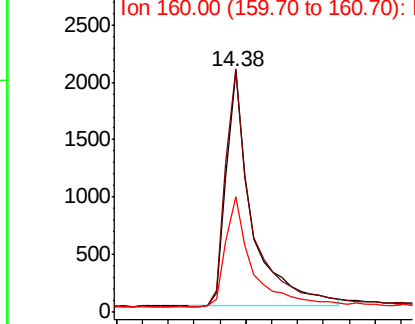
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.38 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: BE100992.D  
Acq: 27 Dec 2019 14:21

Instrument :  
BNA\_E  
ClientSampleId :  
PB125417BL

Tot Ion:164 Resp: 5647  
Ion Ratio Lower Upper  
164 100  
162 101.1 81.6 122.4  
160 48.1 37.7 56.5

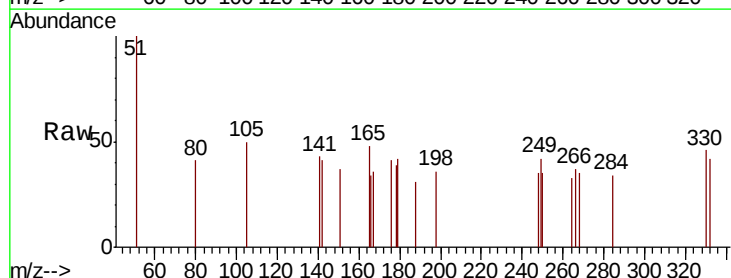


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

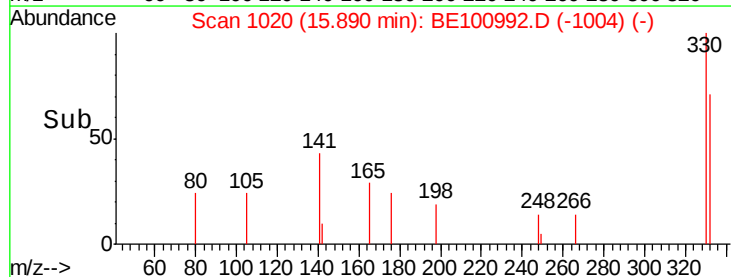
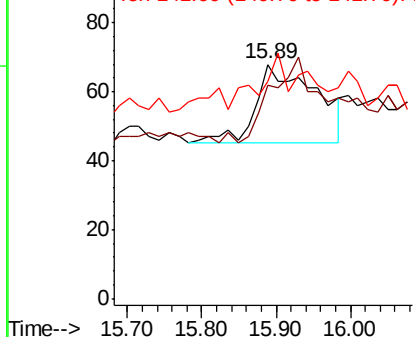


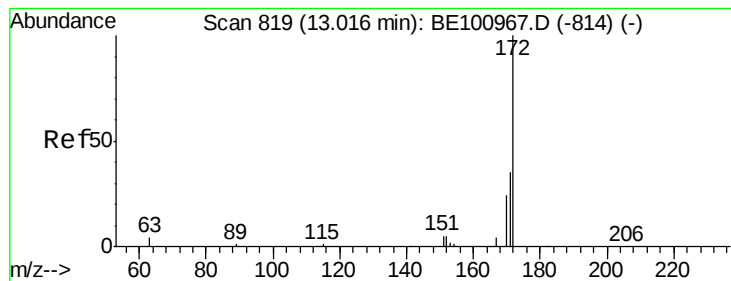
#14  
2,4,6-Tribromophenol  
Concen: 0.296 ng  
RT: 15.89 min Scan# 1020  
Delta R.T. 0.01 min  
Lab File: BE100992.D  
Acq: 27 Dec 2019 14:21

Tgt Ion:330 Resp: 130  
Ion Ratio Lower Upper  
330 100  
332 0.0 72.4 108.6#  
141 34.6 25.4 38.2



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

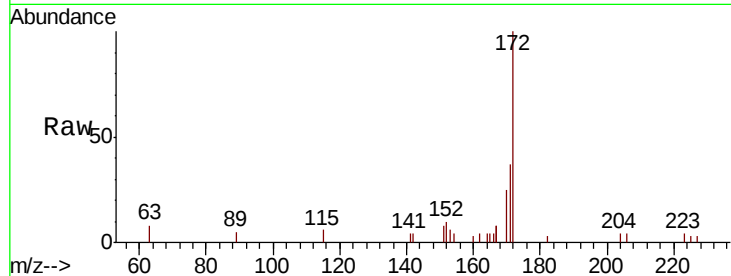




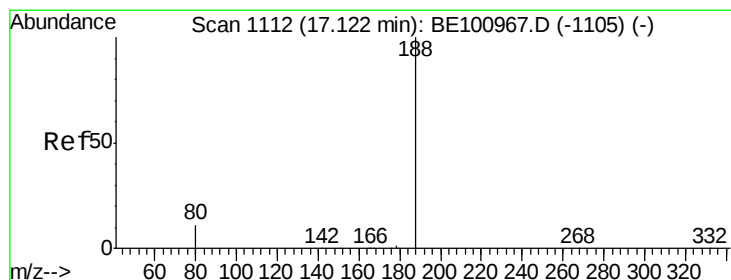
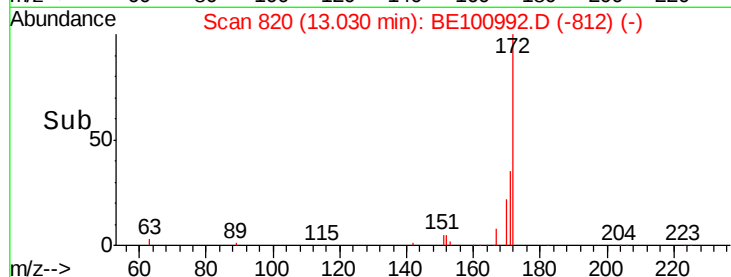
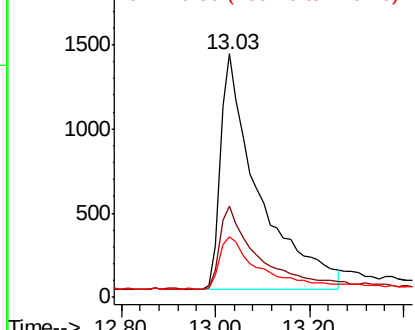
#15  
2-Fluorobiphenyl  
Concen: 0.390 ng  
RT: 13.03 min Scan# 820  
Delta R.T. 0.01 min  
Lab File: BE100992.D  
Acq: 27 Dec 2019 14:21

Instrument :  
BNA\_E  
ClientSampleId :  
PB125417BL

Tot Ion:172 Resp: 7831  
Ion Ratio Lower Upper  
172 100  
171 37.3 29.0 43.6  
170 25.1 20.0 30.0

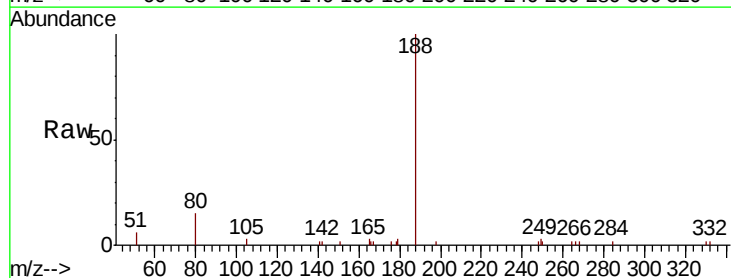


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

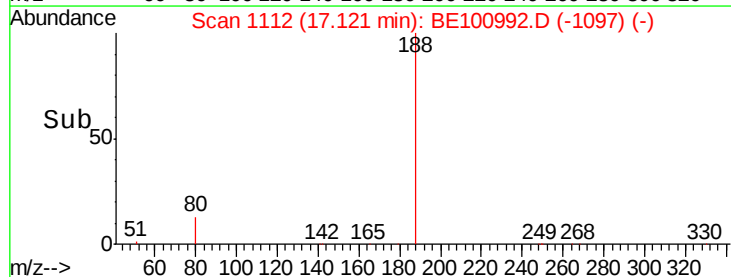
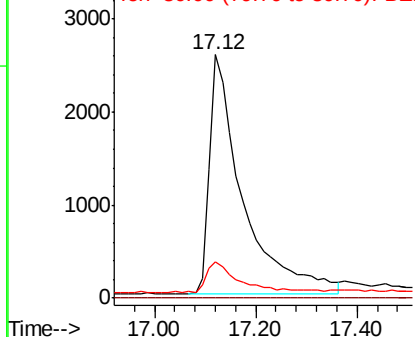


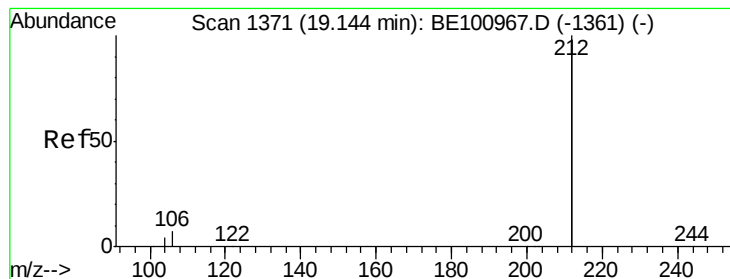
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.12 min Scan# 1112  
Delta R.T. -0.00 min  
Lab File: BE100992.D  
Acq: 27 Dec 2019 14:21

Tgt Ion:188 Resp: 11613  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 14.9 9.7 14.5#



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: 0.409 ng

RT: 19.15 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BE100992.D

Acq: 27 Dec 2019 14:21

Instrument :

BNA\_E

ClientSampleId :

PB125417BL

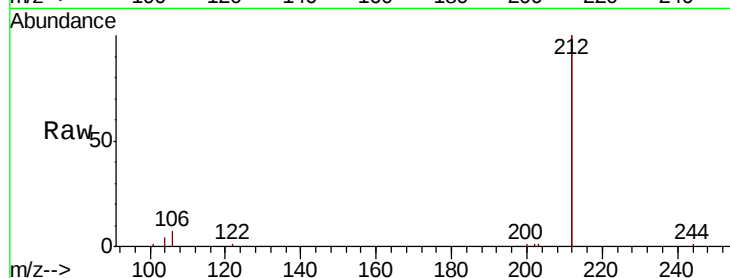
Tot Ion:212 Resp: 57703

Ion Ratio Lower Upper

212 100

106 3.3 2.4 3.6

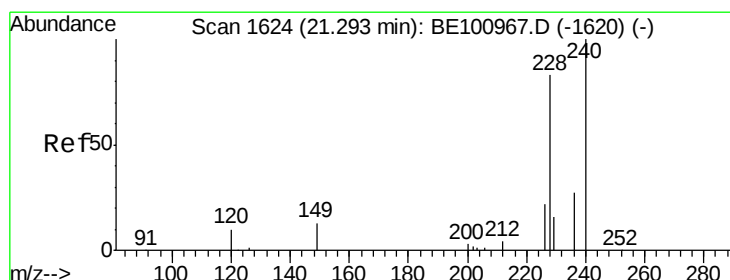
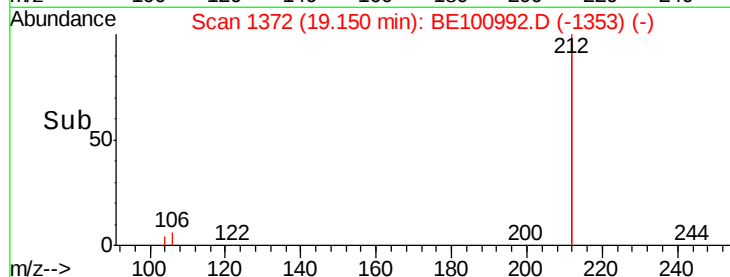
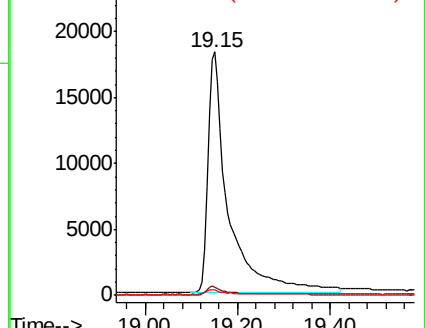
104 1.8 1.4 2.0



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: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100992.D

Acq: 27 Dec 2019 14:21

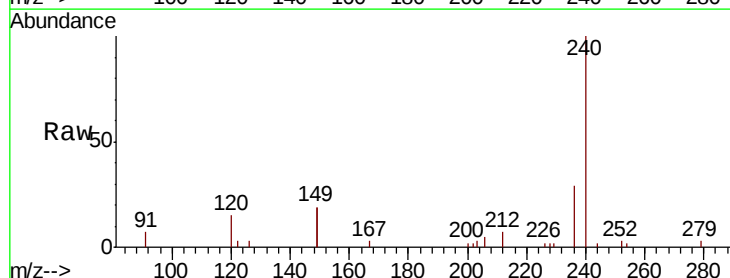
Tgt Ion:240 Resp: 10919

Ion Ratio Lower Upper

240 100

120 15.4 10.2 15.4#

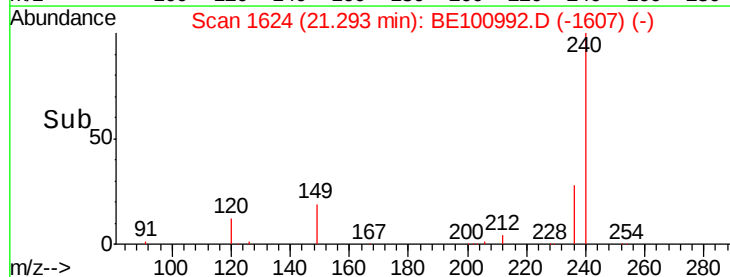
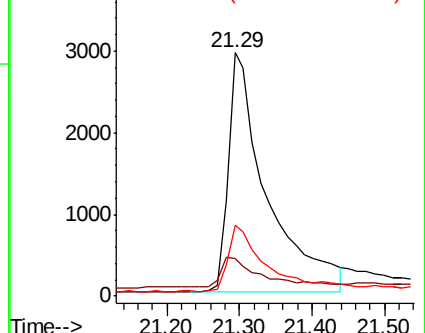
236 29.3 22.6 34.0

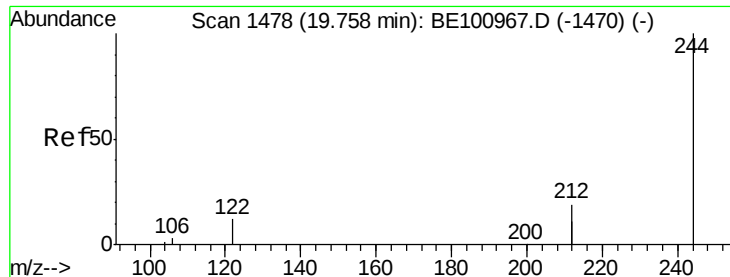


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.408 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BE100992.D

Acq: 27 Dec 2019 14:21

Instrument :

BNA\_E

ClientSampleId :

PB125417BL

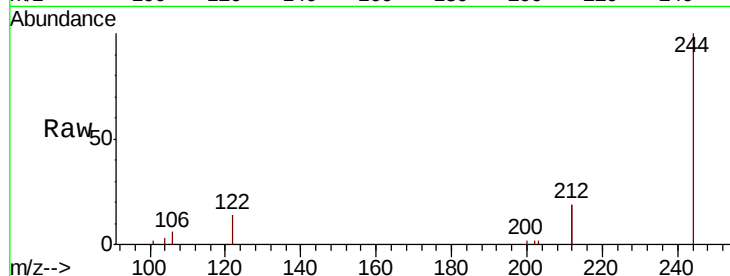
Tot Ion:244 Resp: 10232

Ion Ratio Lower Upper

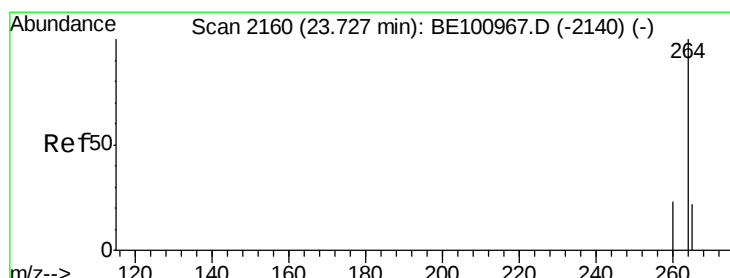
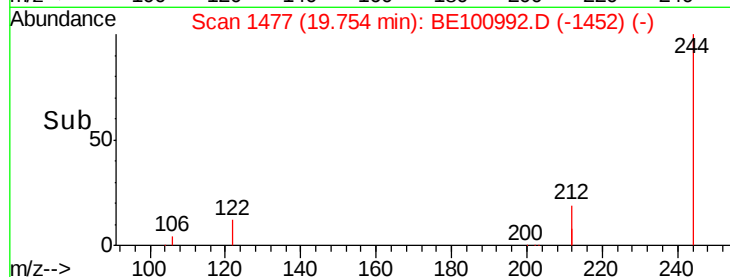
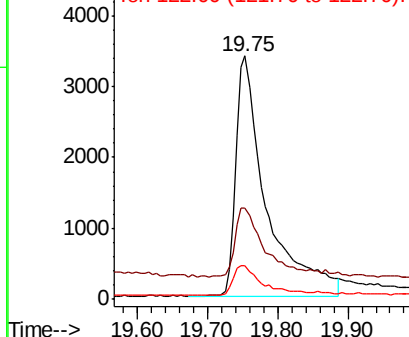
244 100

212 37.4 29.3 43.9

122 13.7 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: 23.72 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BE100992.D

Acq: 27 Dec 2019 14:21

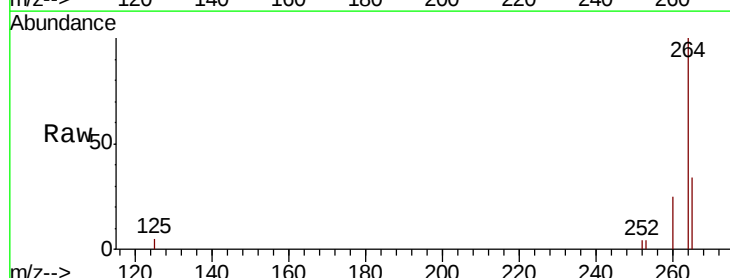
Tgt Ion:264 Resp: 12811

Ion Ratio Lower Upper

264 100

260 24.8 19.1 28.7

265 34.4 26.6 40.0



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

