

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE032919\  
 Data File : BE099250.D  
 Acq On : 29 Mar 2019 12:05  
 Operator : JU/SJ  
 Sample : PB118350BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB118350BL

Quant Time: Mar 29 23:06:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 07:02:06 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 3462     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.63 | 136  | 13604    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 10098    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.21 | 188  | 29999    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.39 | 240  | 25958    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.90 | 264  | 12292    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.41  | 112  | 2766     | 0.27 | ng    | 0.00     |
| 5) Phenol-d6                | 6.99  | 99   | 3698     | 0.23 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.99  | 82   | 2708     | 0.24 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 8142     | 0.31 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 278      | 0.28 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 12693    | 0.31 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.24 | 212  | 115325   | 0.32 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.83 | 244  | 18123    | 0.32 | ng    | 0.00     |

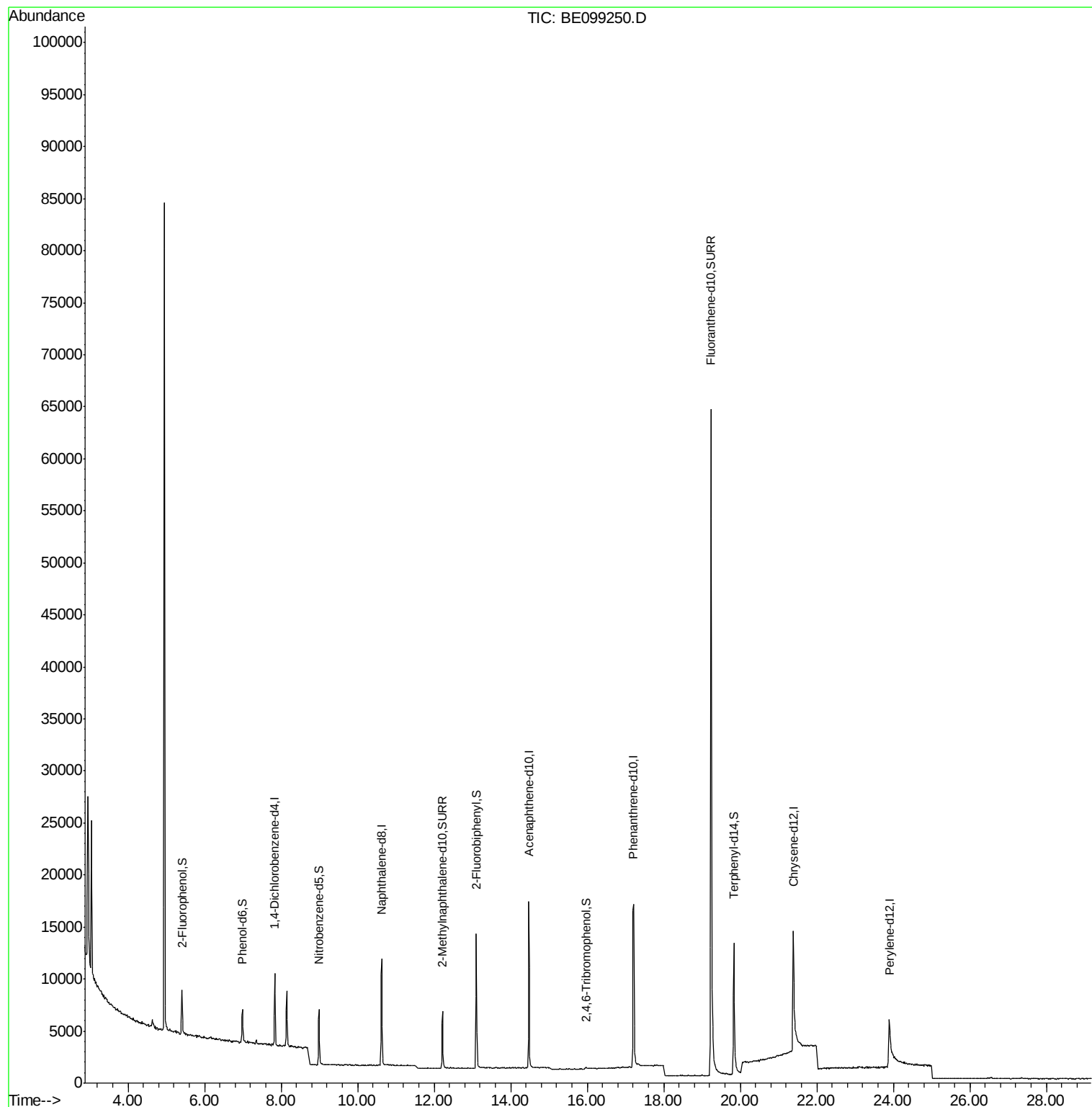
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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QLast Update : Tue Mar 26 07:02:06 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. -0.01 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

Instrument :

BNA\_E

ClientSampleId :

PB118350BL

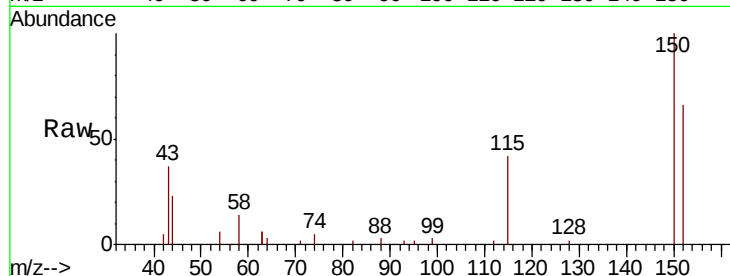
Tgt Ion:152 Resp: 3462

Ion Ratio Lower Upper

152 100

150 151.4 112.8 169.2

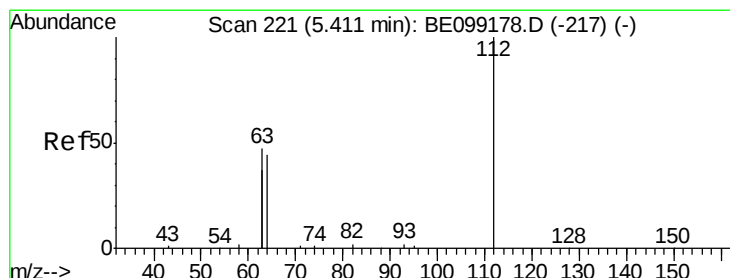
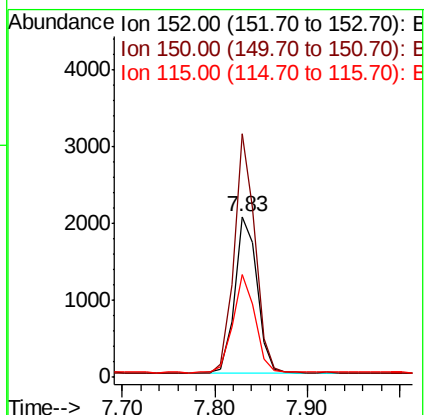
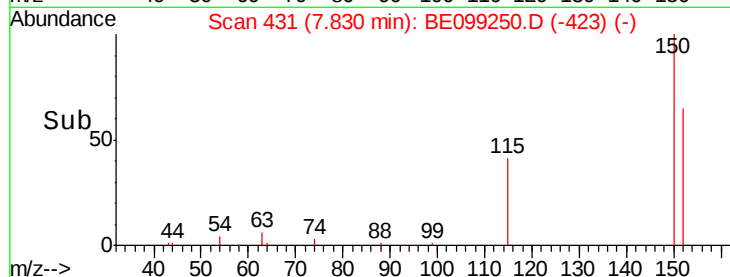
115 64.2 45.1 67.7



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: 0.268 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

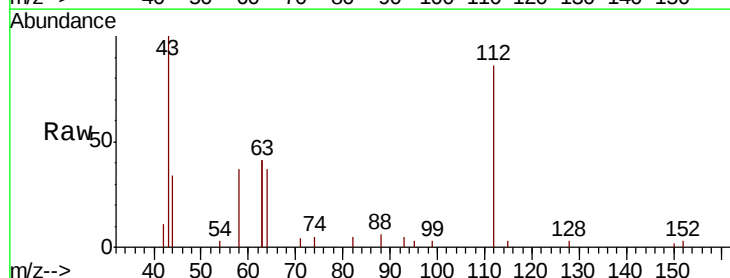
Tgt Ion:112 Resp: 2766

Ion Ratio Lower Upper

112 100

64 56.4 46.2 69.2

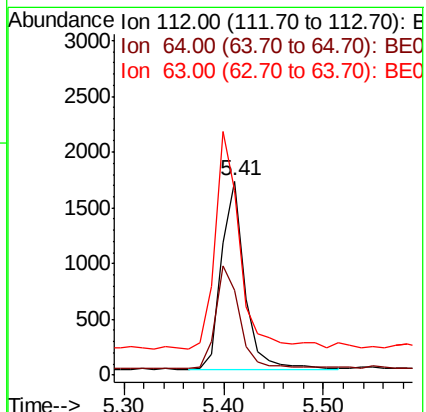
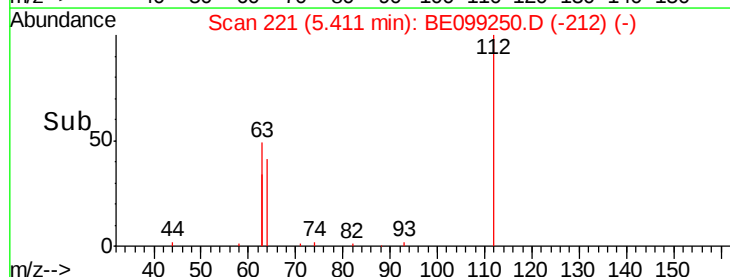
63 120.5 89.9 134.9

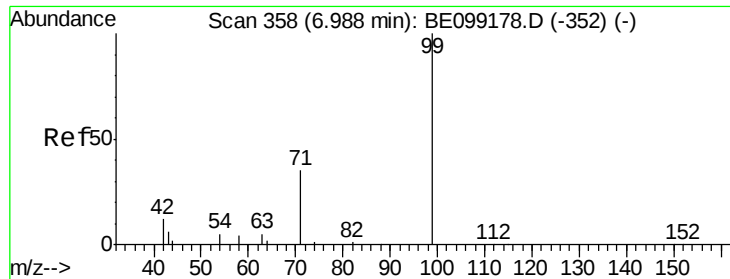


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.234 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

Instrument :

BNA\_E

ClientSampleId :

PB118350BL

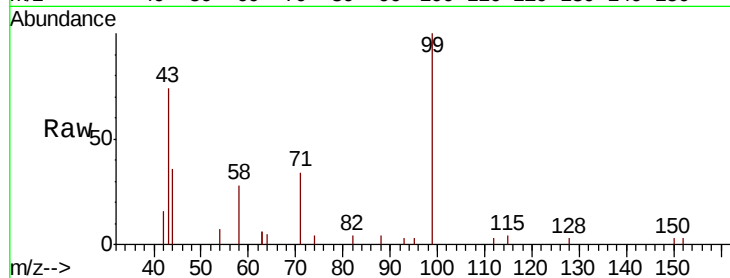
Tgt Ion: 99 Resp: 3698

Ion Ratio Lower Upper

99 100

42 13.0 12.4 18.6

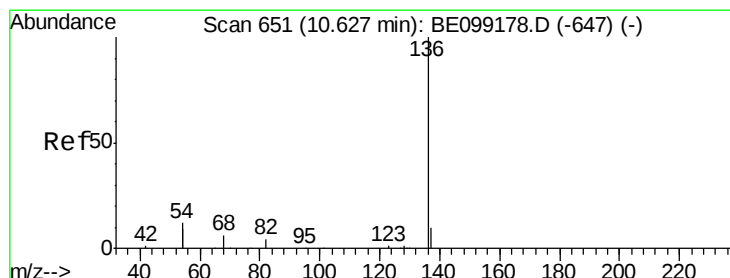
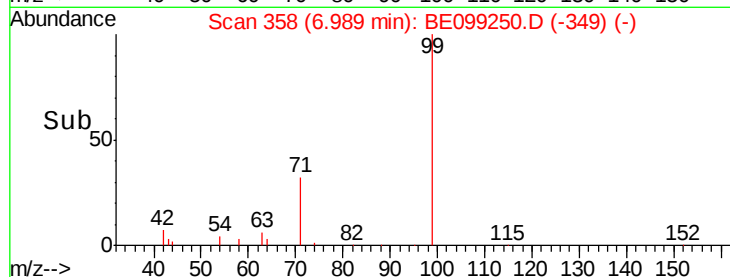
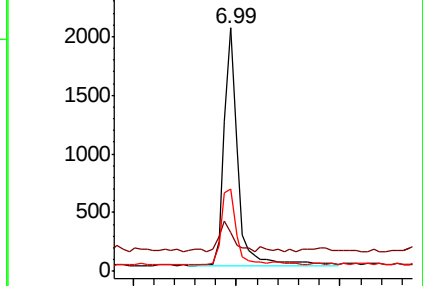
71 35.0 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

Tgt Ion: 136 Resp: 13604

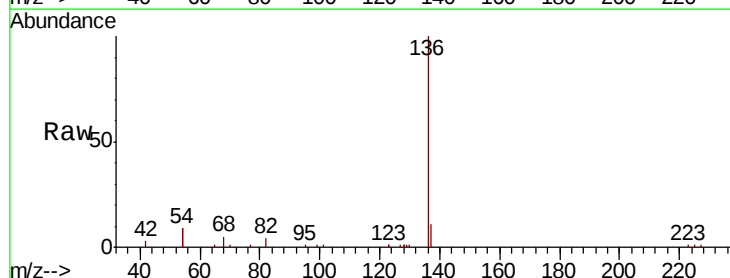
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 18.4 18.7 28.1#

68 5.1 5.2 7.8#

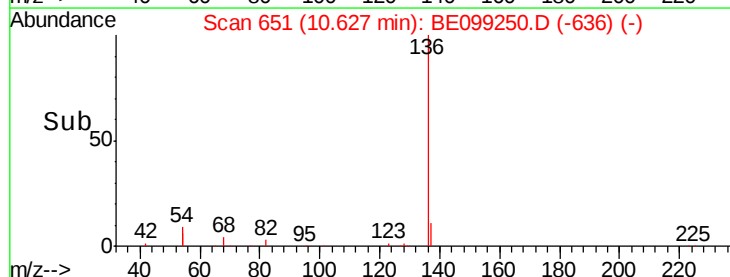
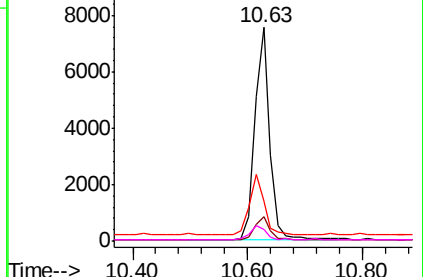


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.244 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

Instrument :

BNA\_E

ClientSampleId :

PB118350BL

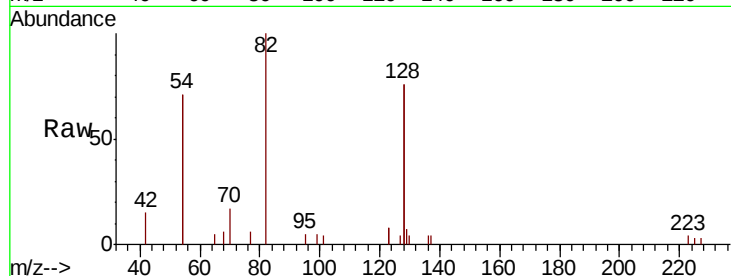
Tgt Ion: 82 Resp: 2708

Ion Ratio Lower Upper

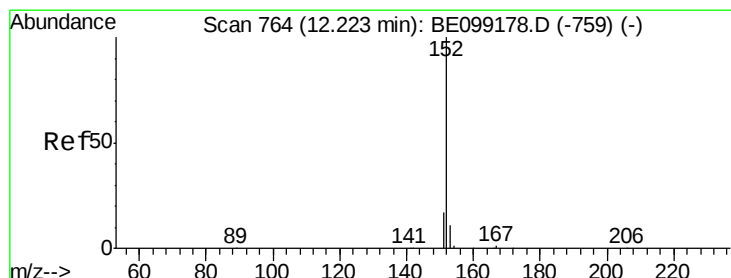
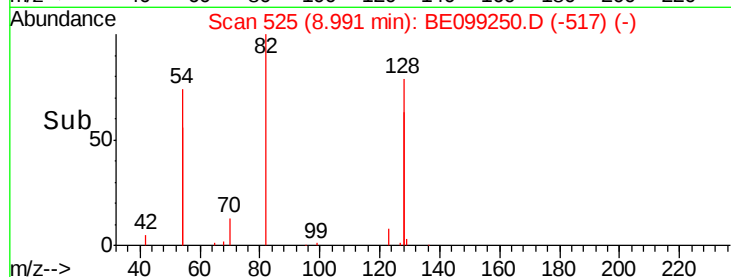
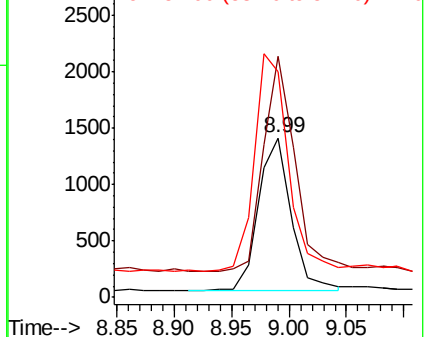
82 100

128 151.6 107.5 161.3

54 141.7 106.3 159.5



Abundance Ion 82.00 (81.70 to 82.70): BE0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.311 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099250.D

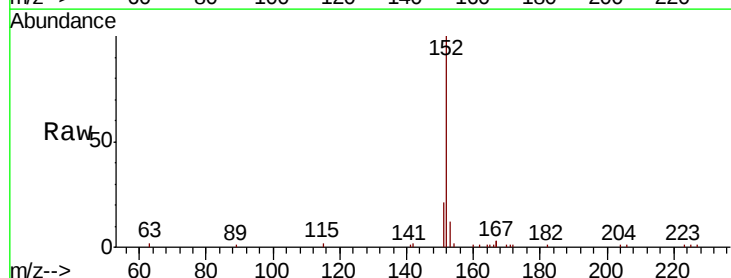
Acq: 29 Mar 2019 12:05

Tgt Ion: 152 Resp: 8142

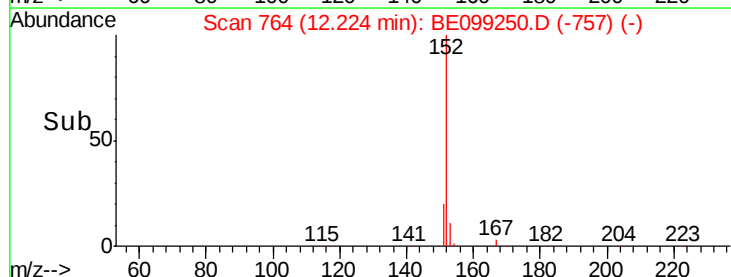
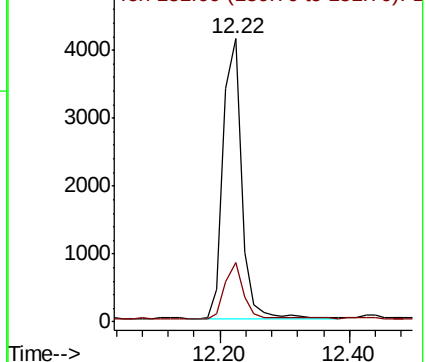
Ion Ratio Lower Upper

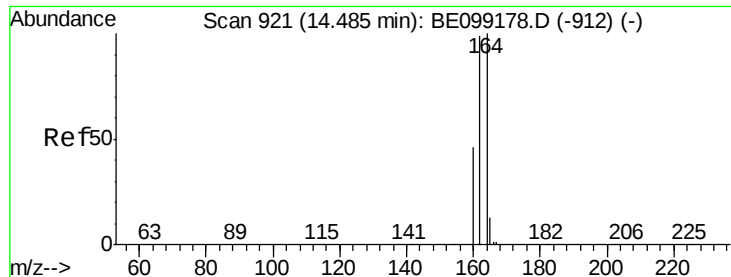
152 100

151 19.6 15.0 22.6



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

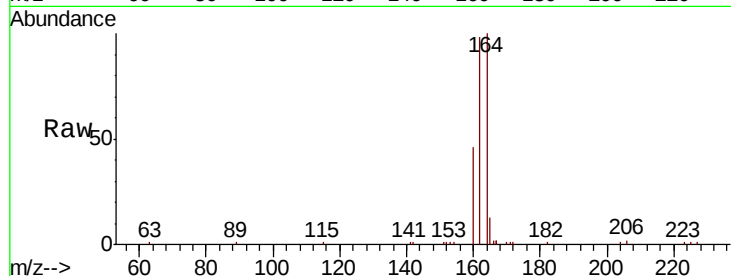




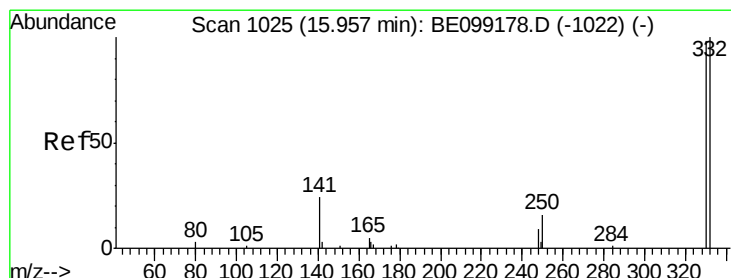
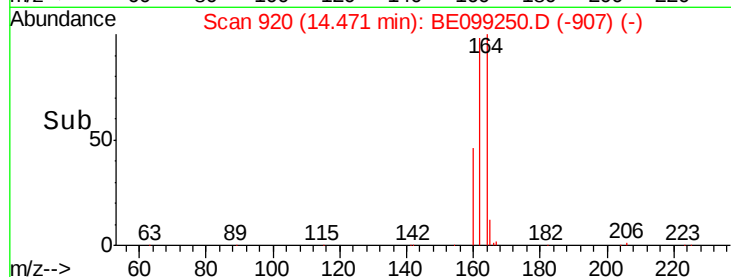
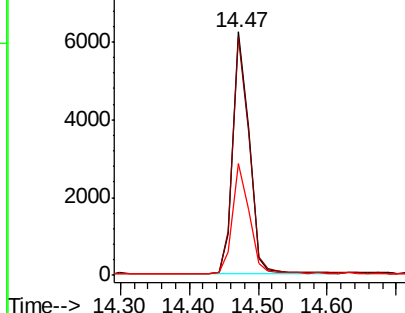
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: BE099250.D  
Acq: 29 Mar 2019 12:05

Instrument :  
BNA\_E  
ClientSampleId :  
PB118350BL

Tgt Ion:164 Resp: 10098  
Ion Ratio Lower Upper  
164 100  
162 98.0 79.2 118.8  
160 46.0 36.7 55.1

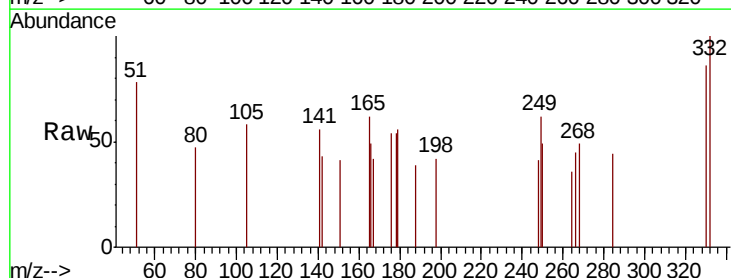


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

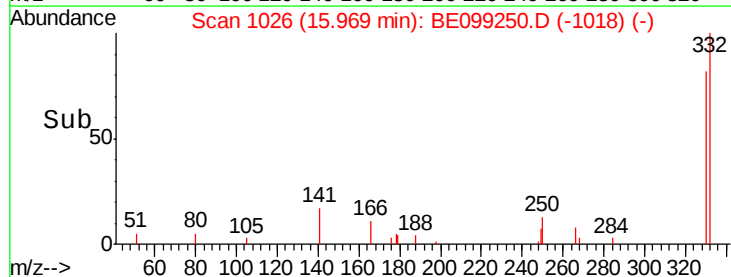
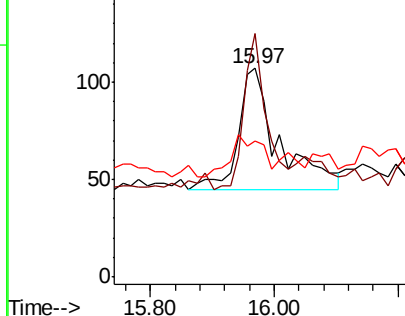


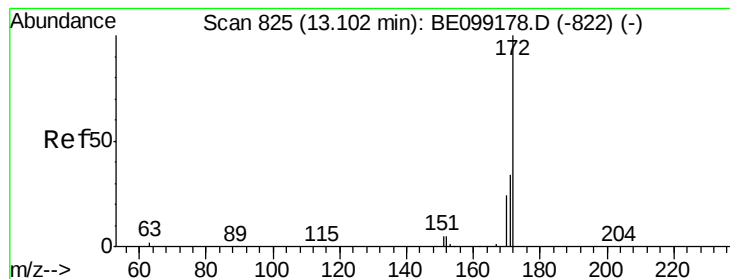
#14  
2,4,6-Tribromophenol  
Concen: 0.280 ng  
RT: 15.97 min Scan# 1026  
Delta R.T. 0.01 min  
Lab File: BE099250.D  
Acq: 29 Mar 2019 12:05

Tgt Ion:330 Resp: 278  
Ion Ratio Lower Upper  
330 100  
332 72.7 71.3 106.9  
141 0.0 21.7 32.5#



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: 0.308 ng

RT: 13.10 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

Instrument :

BNA\_E

ClientSampleId :

PB118350BL

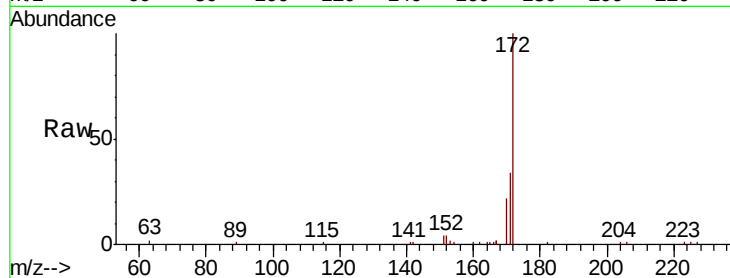
Tgt Ion:172 Resp: 12693

Ion Ratio Lower Upper

172 100

171 33.9 27.4 41.0

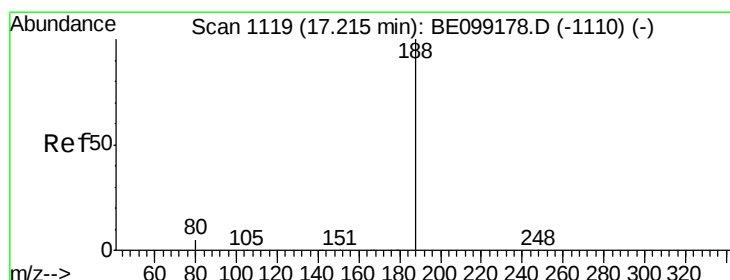
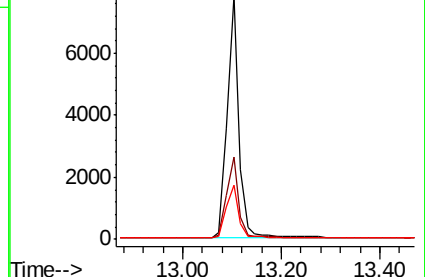
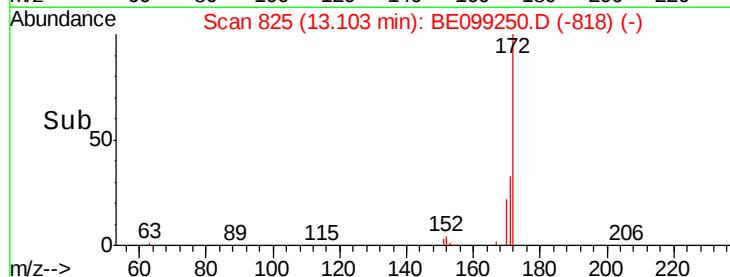
170 22.3 19.1 28.7



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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

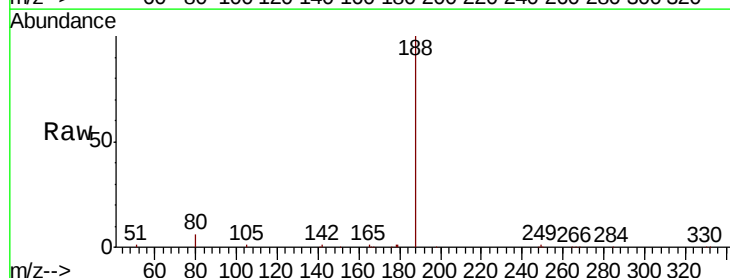
Tgt Ion:188 Resp: 29999

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

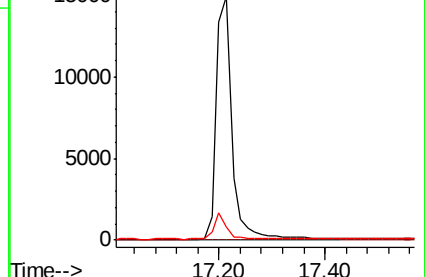
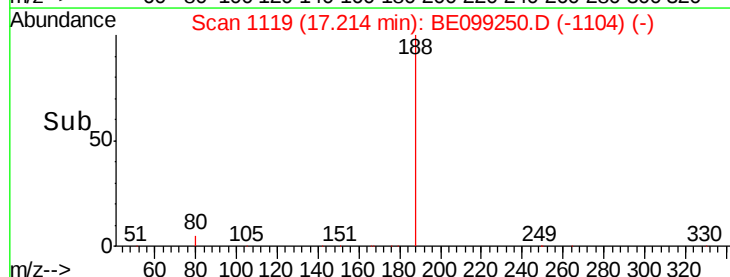
80 5.5 4.5 6.7

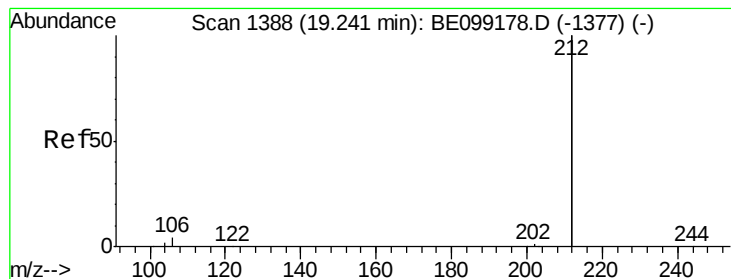


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

Fluoranthene-d10

Concen: 0.317 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

Instrument :

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ClientSampleId :

PB118350BL

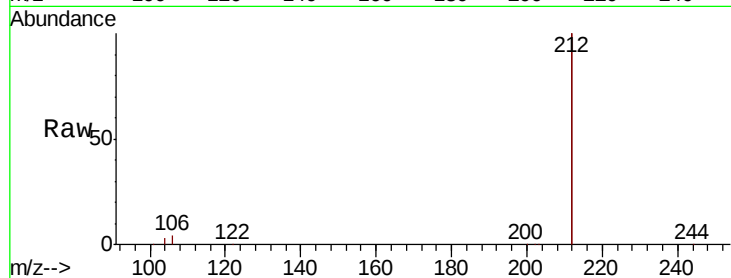
Tgt Ion:212 Resp: 115325

Ion Ratio Lower Upper

212 100

106 2.2 1.8 2.8

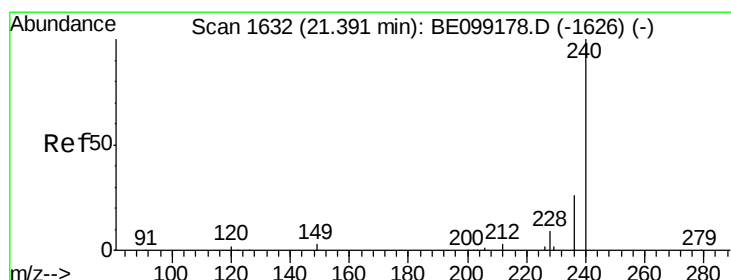
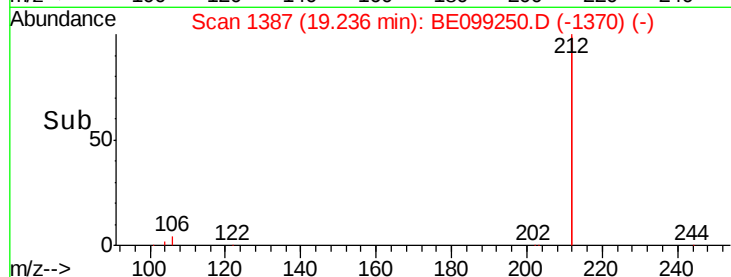
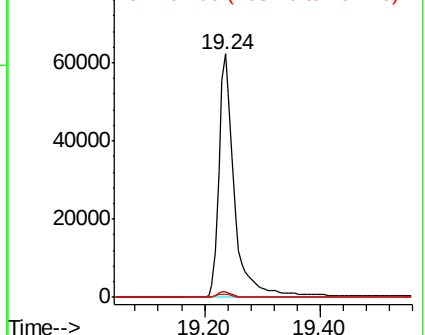
104 1.3 1.1 1.7



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: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

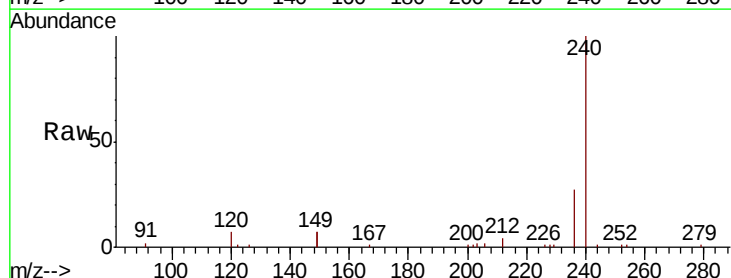
Tgt Ion:240 Resp: 25958

Ion Ratio Lower Upper

240 100

120 6.7 2.6 3.8#

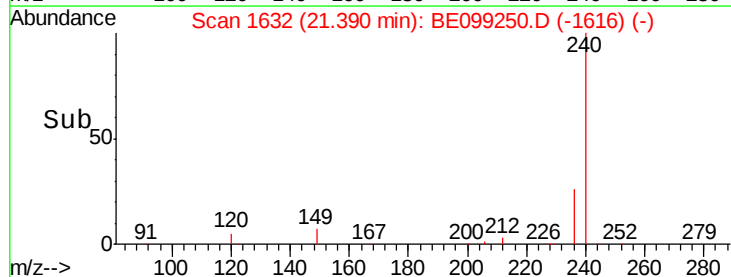
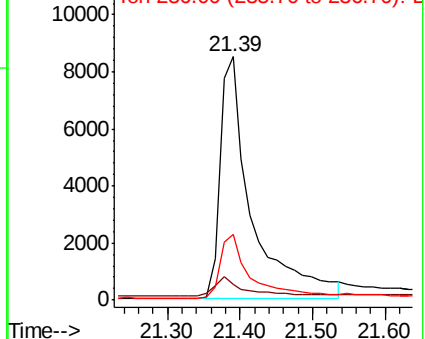
236 27.0 20.9 31.3

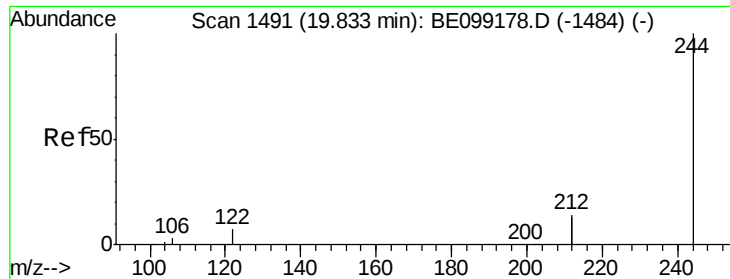


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.321 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

Instrument :

BNA\_E

ClientSampleId :

PB118350BL

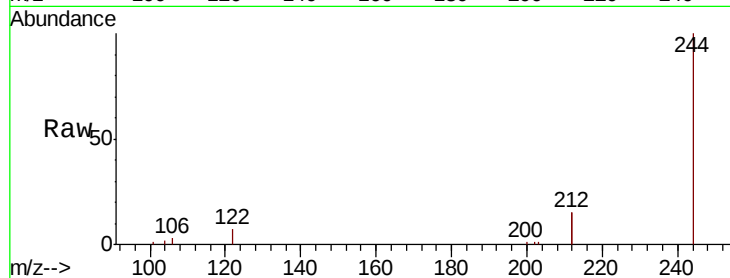
Tgt Ion:244 Resp: 18123

Ion Ratio Lower Upper

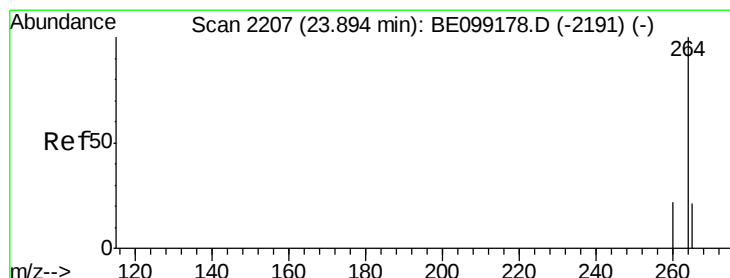
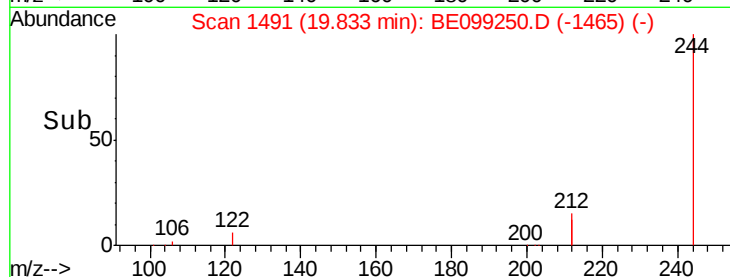
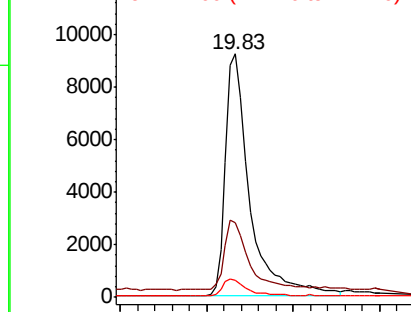
244 100

212 30.6 22.7 34.1

122 7.1 5.8 8.6



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: 23.90 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BE099250.D

Acq: 29 Mar 2019 12:05

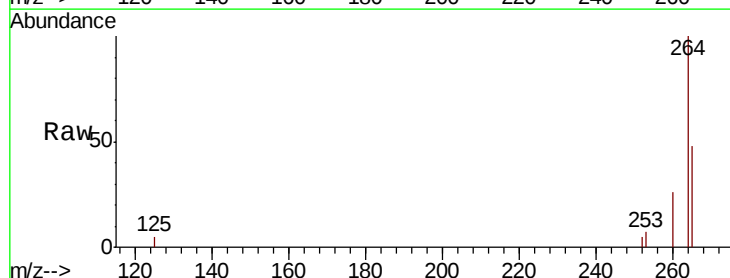
Tgt Ion:264 Resp: 12292

Ion Ratio Lower Upper

264 100

260 26.0 18.2 27.2

265 48.0 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

