

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051619\  
 Data File : BE099637.D  
 Acq On : 17 May 2019 00:27  
 Operator : JU/SJ  
 Sample : PB119714BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB119714BL

Quant Time: May 17 07:26:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 14 19:30:50 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.82  | 152  | 1978     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.63 | 136  | 6311     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10        | 14.49 | 164  | 4223     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 17.24 | 188  | 12118    | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12            | 21.43 | 240  | 17268    | 0.40 | ng    | 0.01     |
| 34) Perylene-d12            | 23.96 | 264  | 21201    | 0.40 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.39  | 112  | 1675     | 0.30 | ng    | 0.01     |
| 5) Phenol-d6                | 6.98  | 99   | 2203     | 0.31 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.98  | 82   | 1653     | 0.27 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 3390     | 0.32 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330  | 598      | 0.21 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 13.12 | 172  | 5217     | 0.32 | ng    | 0.02     |
| 25) Fluoranthene-d10        | 19.27 | 212  | 56377    | 0.35 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.87 | 244  | 11575    | 0.37 | ng    | 0.00     |

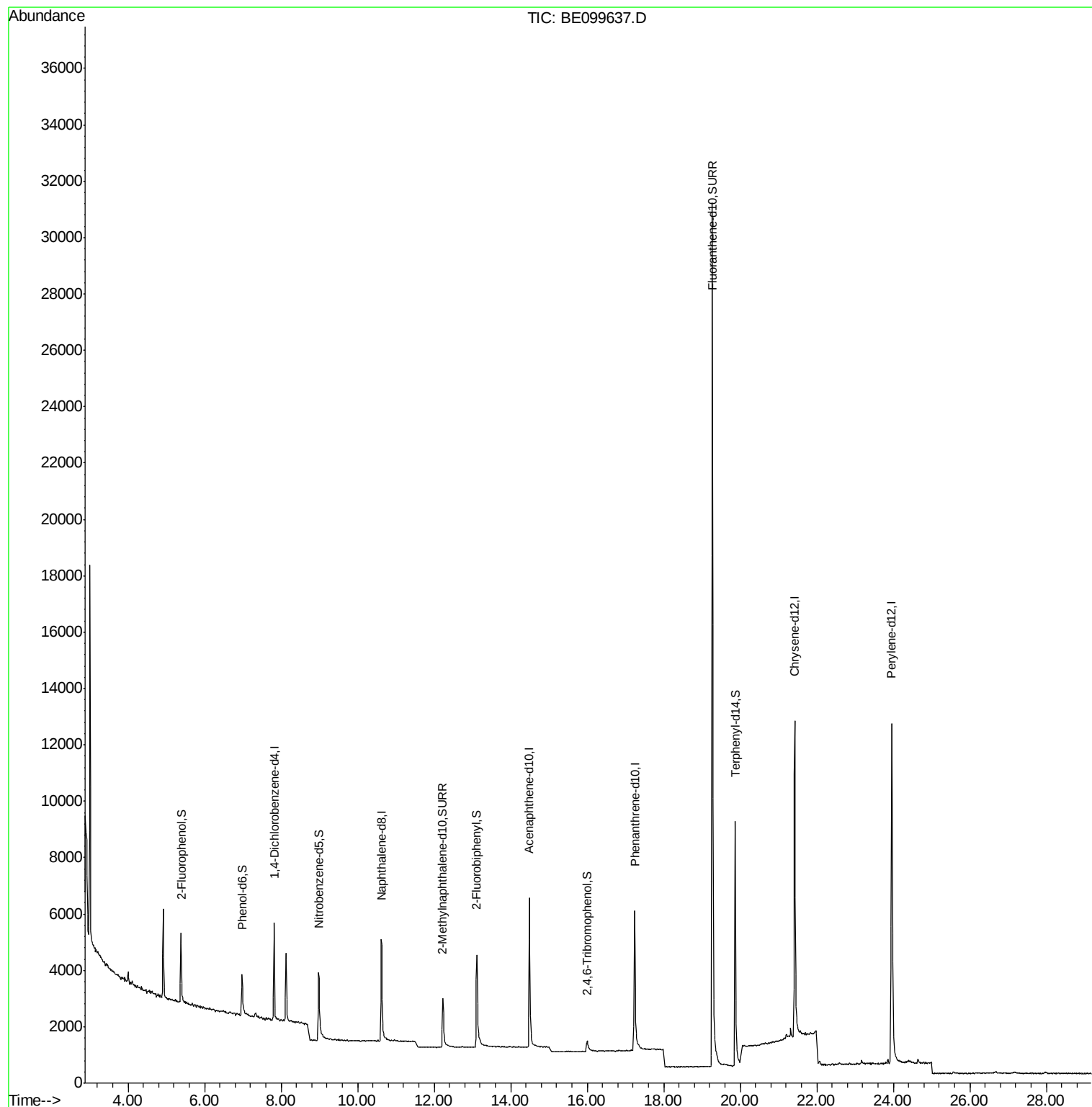
Target Compounds Qvalue

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

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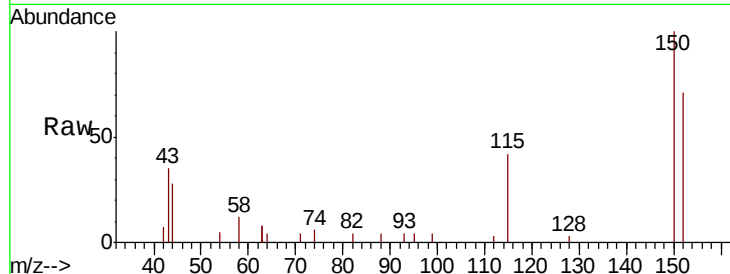


#1

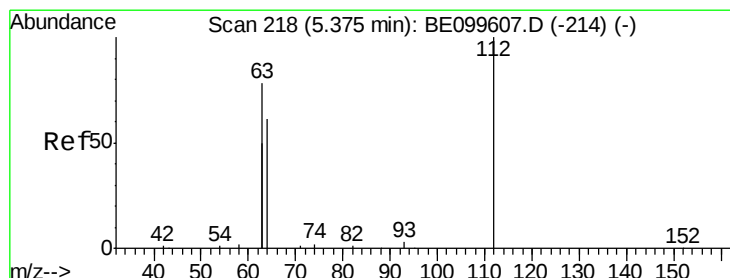
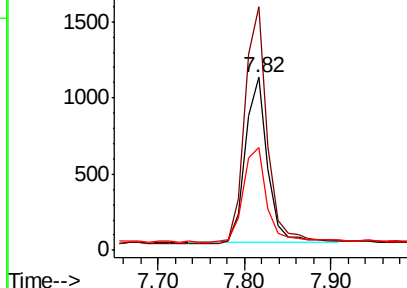
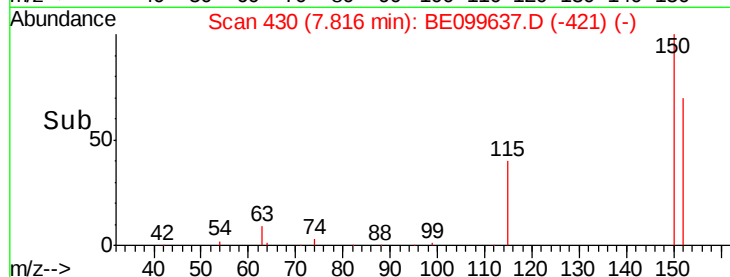
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.82 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: BE099637.D  
Acq: 17 May 2019 00:27

Instrument :  
BNA\_E  
ClientSampleId :  
PB119714BL

Tot Ion:152 Resp: 1978  
Ion Ratio Lower Upper  
152 100  
150 140.9 110.1 165.1  
115 59.3 46.2 69.4



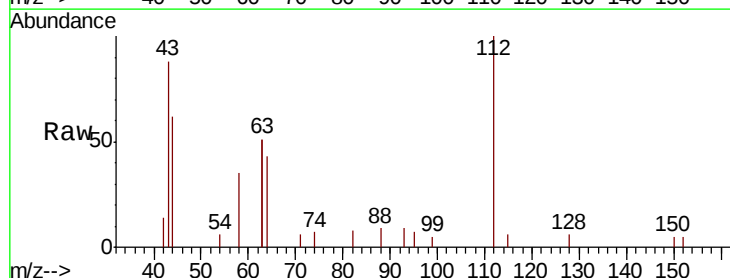
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



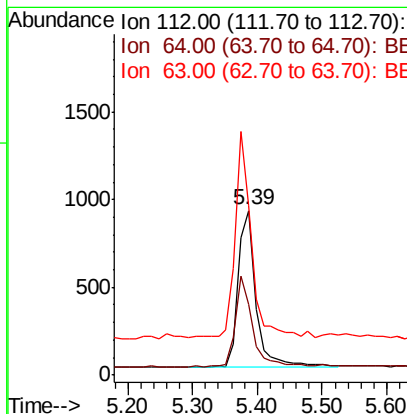
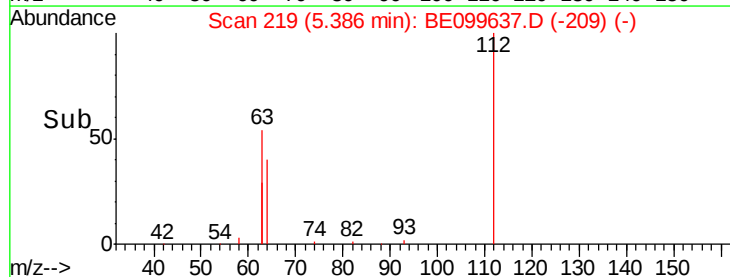
#4

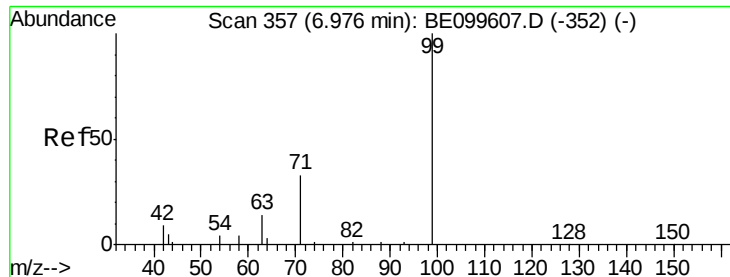
2-Fluorophenol  
Concen: 0.298 ng  
RT: 5.39 min Scan# 219  
Delta R.T. 0.01 min  
Lab File: BE099637.D  
Acq: 17 May 2019 00:27

Tgt Ion:112 Resp: 1675  
Ion Ratio Lower Upper  
112 100  
64 54.6 43.7 65.5  
63 117.6 94.0 141.0



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: 0.309 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099637.D

Acq: 17 May 2019 00:27

Instrument :

BNA\_E

ClientSampleId :

PB119714BL

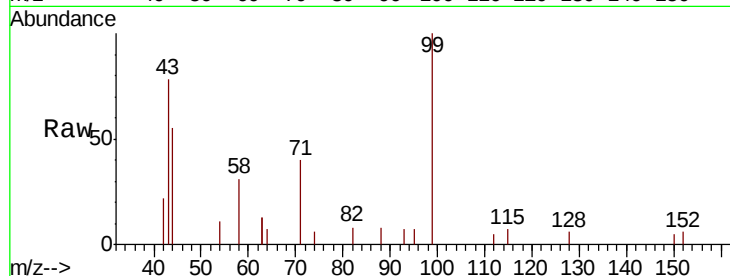
Tot Ion: 99 Resp: 2203

Ion Ratio Lower Upper

99 100

42 14.2 14.3 21.5#

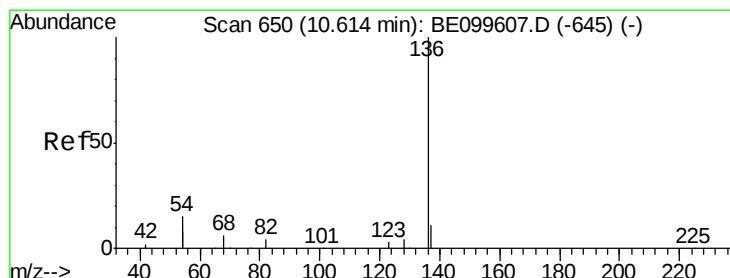
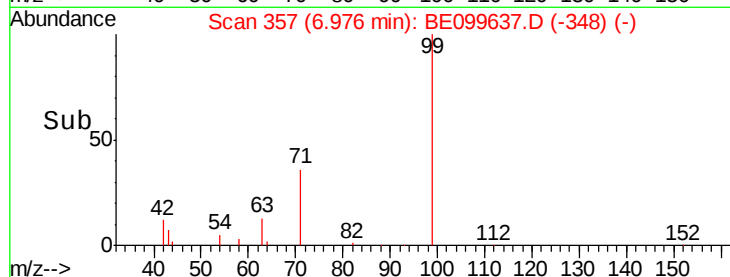
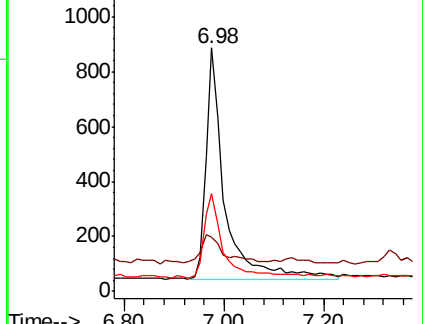
71 38.6 33.1 49.7



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. 0.01 min

Lab File: BE099637.D

Acq: 17 May 2019 00:27

Tgt Ion: 136 Resp: 6311

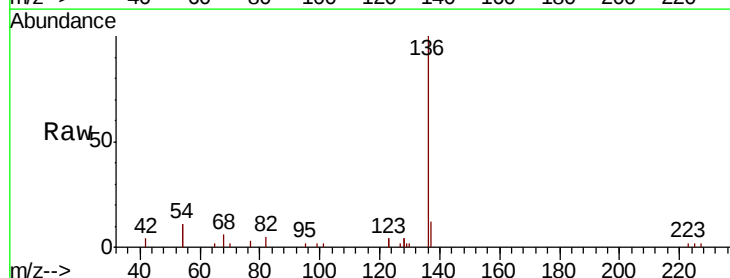
Ion Ratio Lower Upper

136 100

137 12.5 9.7 14.5

54 22.3 23.8 35.8#

68 6.1 6.2 9.2#

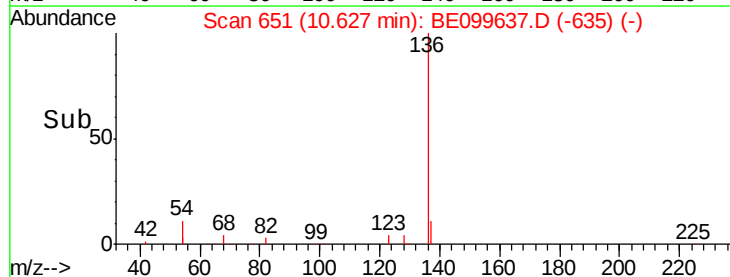
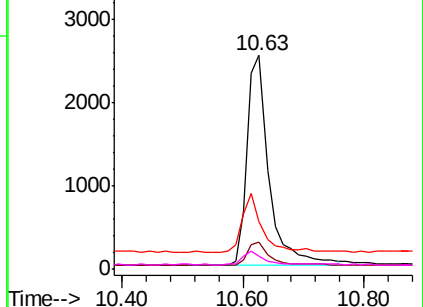


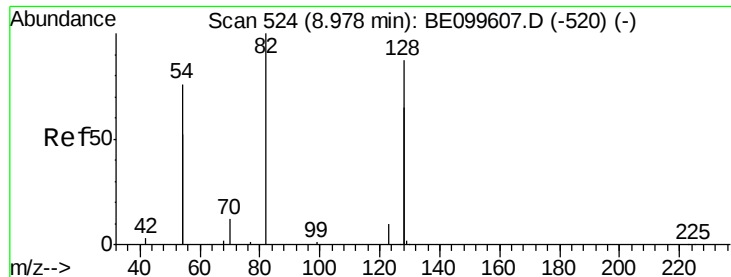
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.271 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099637.D

Acq: 17 May 2019 00:27

Instrument :

BNA\_E

ClientSampleId :

PB119714BL

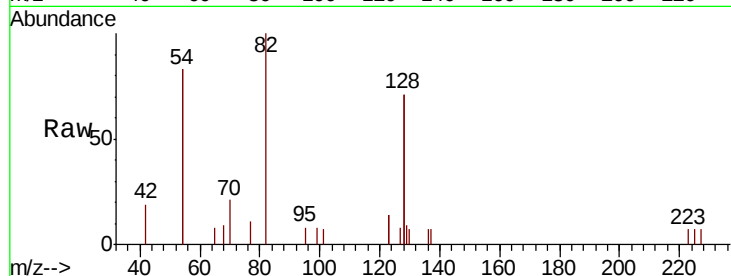
Tot Ion: 82 Resp: 1653

Ion Ratio Lower Upper

82 100

128 142.8 131.4 197.2

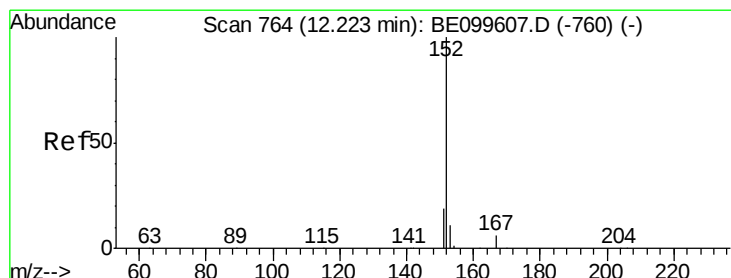
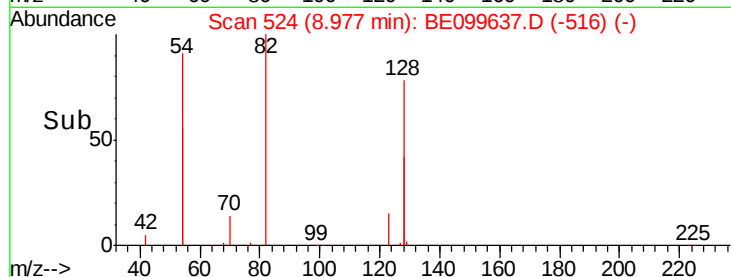
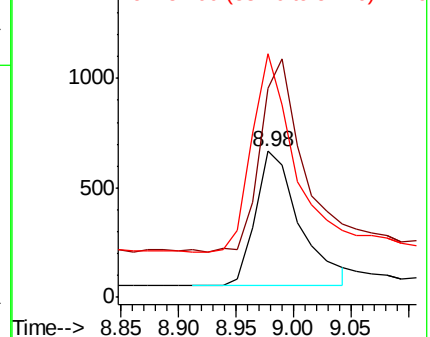
54 166.5 113.9 170.9



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.319 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099637.D

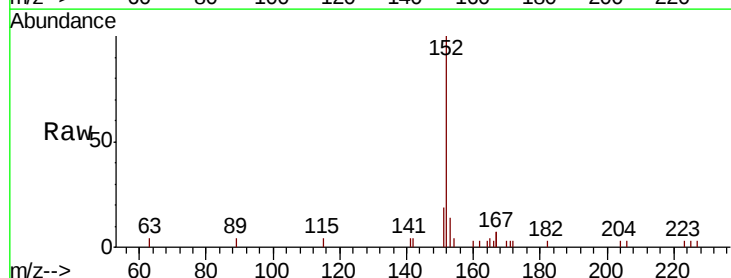
Acq: 17 May 2019 00:27

Tgt Ion: 152 Resp: 3390

Ion Ratio Lower Upper

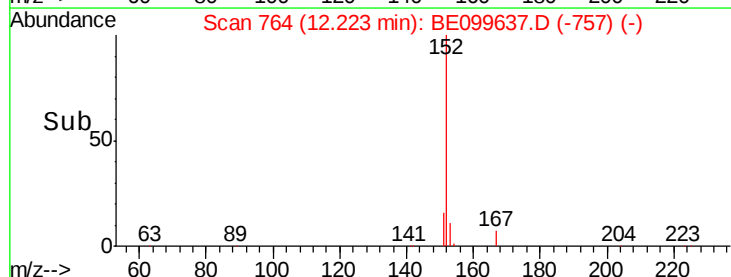
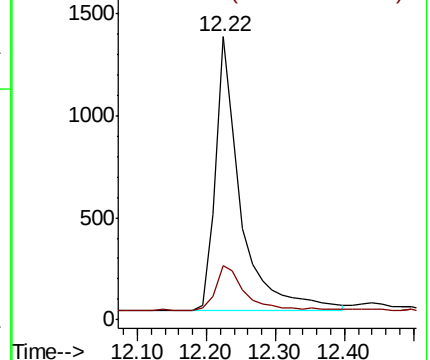
152 100

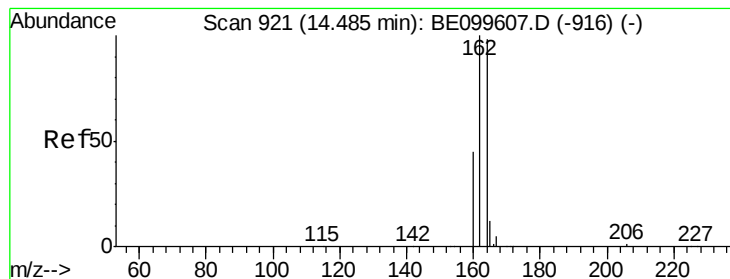
151 19.5 15.3 22.9



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: BE099637.D

Acq: 17 May 2019 00:27

Instrument :

BNA\_E

ClientSampleId :

PB119714BL

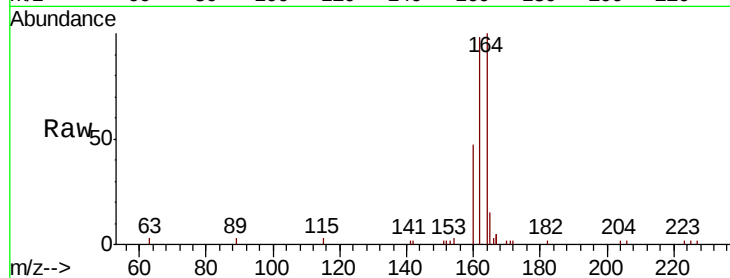
Tot Ion:164 Resp: 4223

Ion Ratio Lower Upper

164 100

162 98.3 81.4 122.0

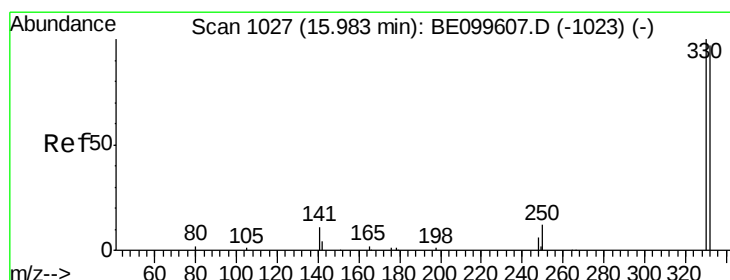
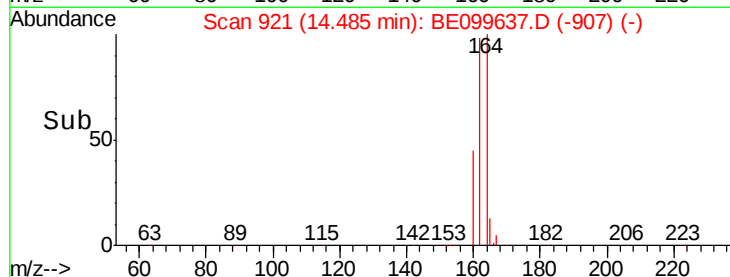
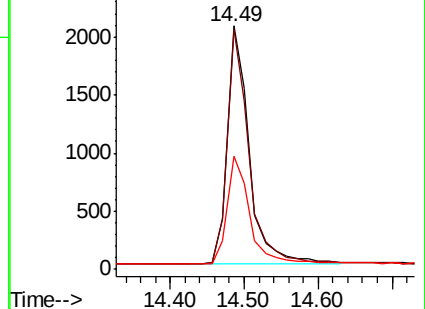
160 46.6 37.4 56.2



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: 0.207 ng

RT: 16.00 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BE099637.D

Acq: 17 May 2019 00:27

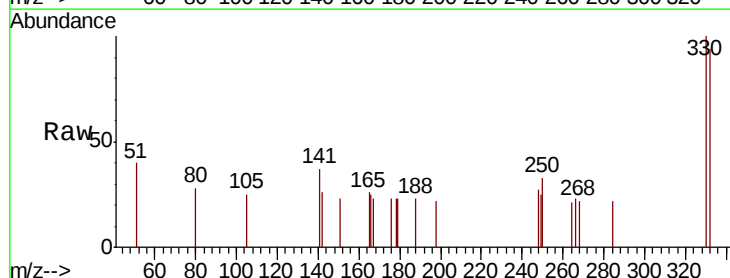
Tgt Ion:330 Resp: 598

Ion Ratio Lower Upper

330 100

332 80.8 73.8 110.8

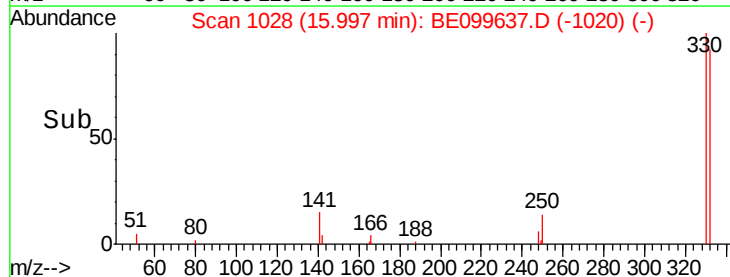
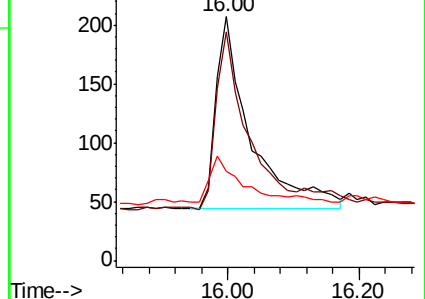
141 24.1 21.0 31.6

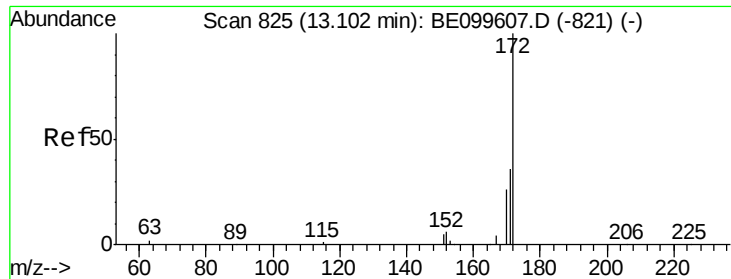


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

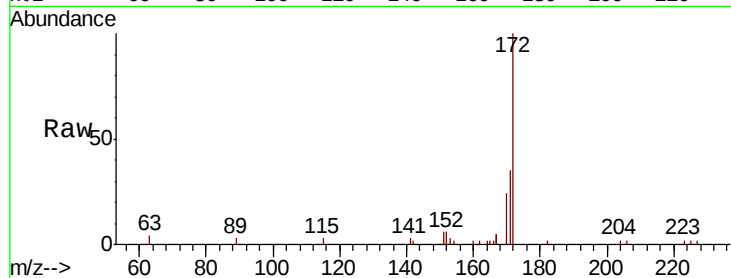




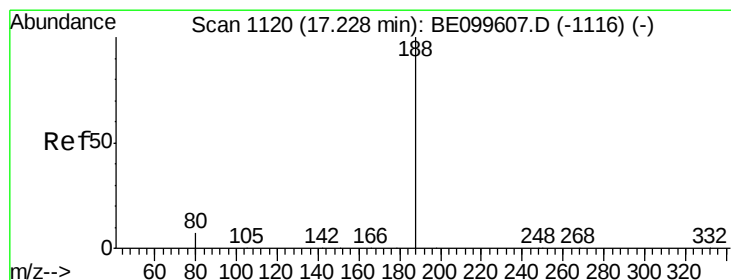
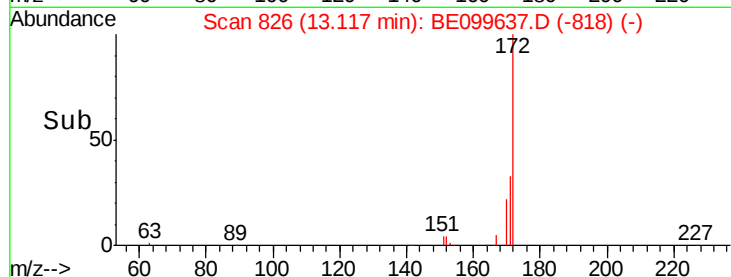
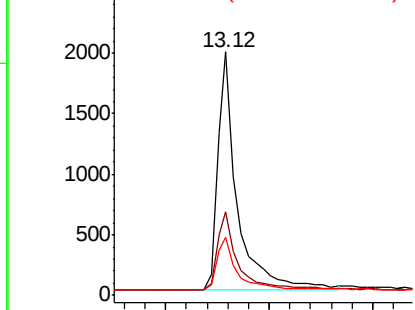
#15  
 2-Fluorobiphenyl  
 Concen: 0.321 ng  
 RT: 13.12 min Scan# 826  
 Delta R.T. 0.02 min  
 Lab File: BE099637.D  
 Acq: 17 May 2019 00:27

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB119714BL

Tot Ion:172 Resp: 5217  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 29.4 44.2  
 170 24.1 21.5 32.3

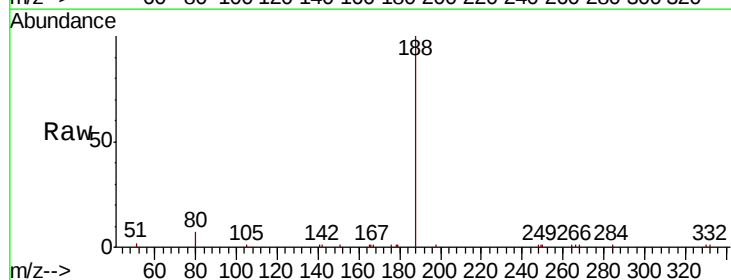


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

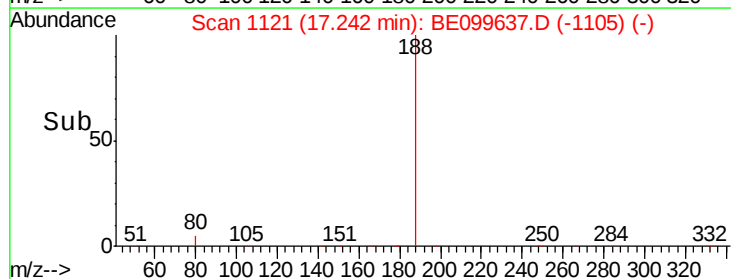
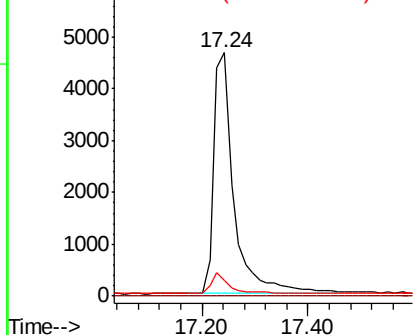


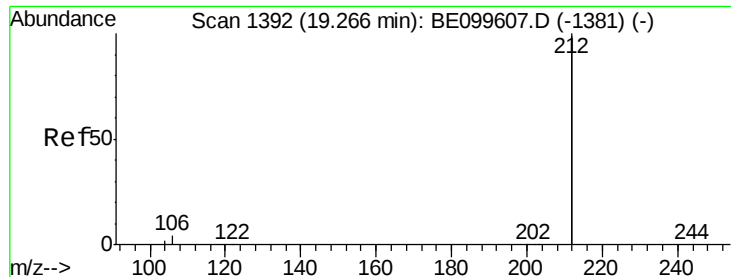
#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.24 min Scan# 1121  
 Delta R.T. 0.01 min  
 Lab File: BE099637.D  
 Acq: 17 May 2019 00:27

Tgt Ion:188 Resp: 12118  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 6.6 6.4 9.6



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: 0.350 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BE099637.D

Acq: 17 May 2019 00:27

Instrument :

BNA\_E

ClientSampleId :

PB119714BL

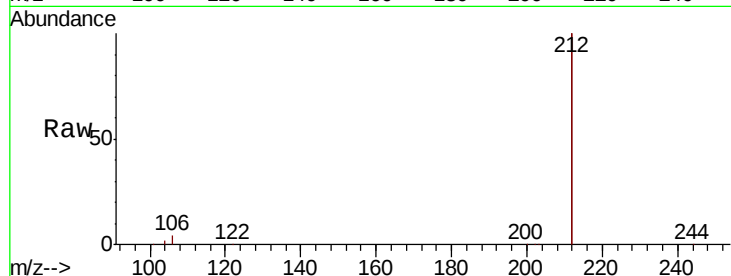
Tot Ion:212 Resp: 56377

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

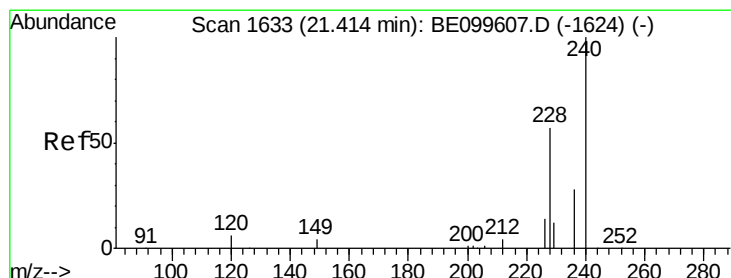
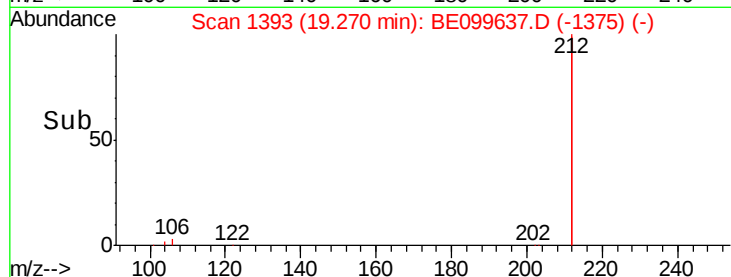
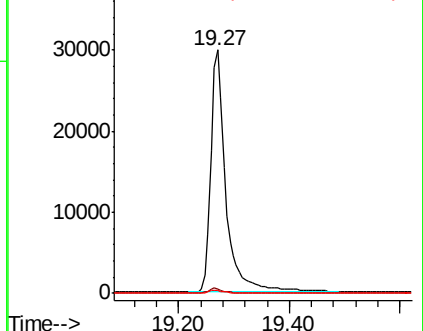
104 1.1 0.9 1.3



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: 21.43 min Scan# 1635

Delta R.T. 0.01 min

Lab File: BE099637.D

Acq: 17 May 2019 00:27

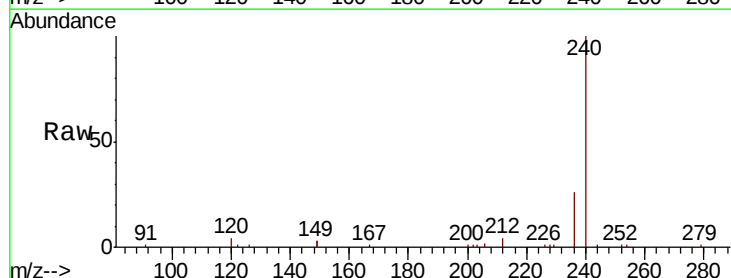
Tgt Ion:240 Resp: 17268

Ion Ratio Lower Upper

240 100

120 4.3 5.7 8.5#

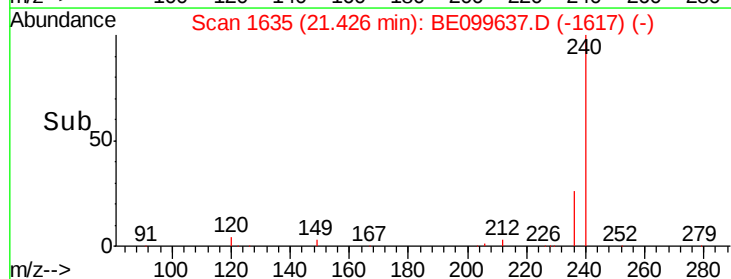
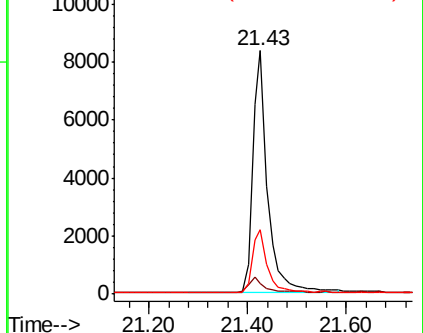
236 26.4 22.8 34.2

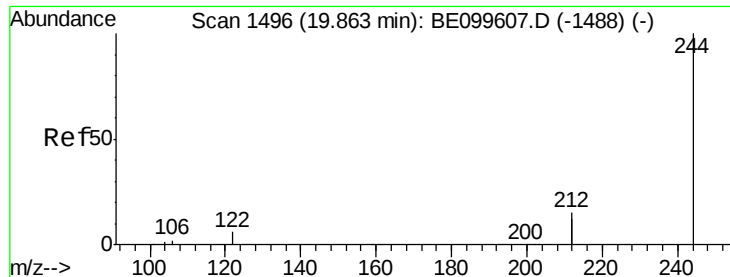


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.372 ng

RT: 19.87 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE099637.D

Acq: 17 May 2019 00:27

Instrument :

BNA\_E

ClientSampleId :

PB119714BL

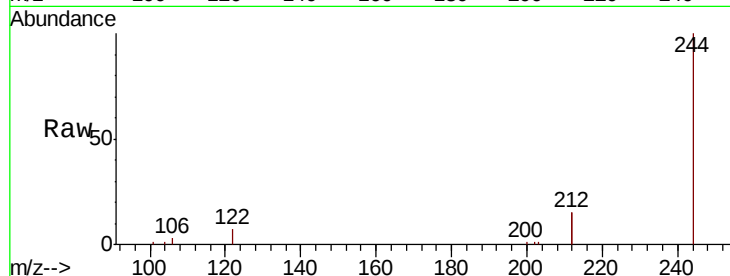
Tot Ion:244 Resp: 11575

Ion Ratio Lower Upper

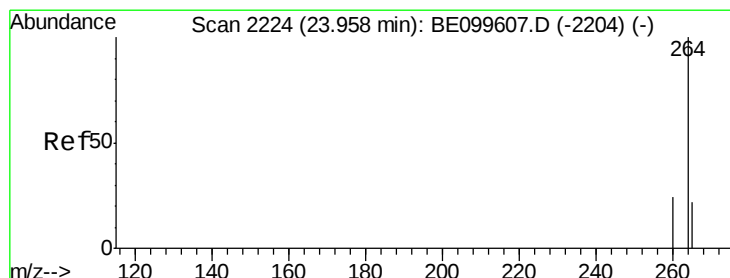
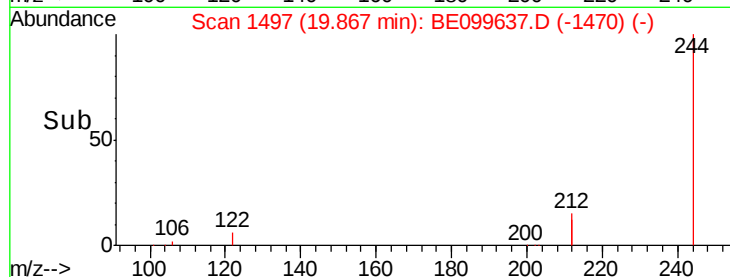
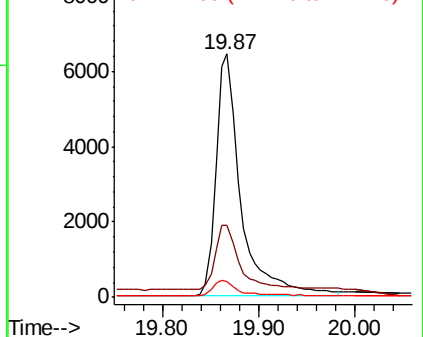
244 100

212 29.5 23.8 35.6

122 6.7 5.0 7.6



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: 23.96 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE099637.D

Acq: 17 May 2019 00:27

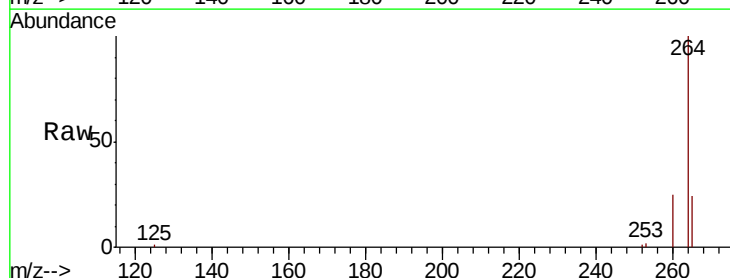
Tgt Ion:264 Resp: 21201

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

265 24.4 21.2 31.8



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

