

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101918\  
 Data File : BE097993.D  
 Acq On : 19 Oct 2018 16:00  
 Operator : SJ/JU  
 Sample : J5237-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 50

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FBGW10318

Quant Time: May 14 18:07:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 16 15:36:44 2018  
 Response via : Initial Calibration

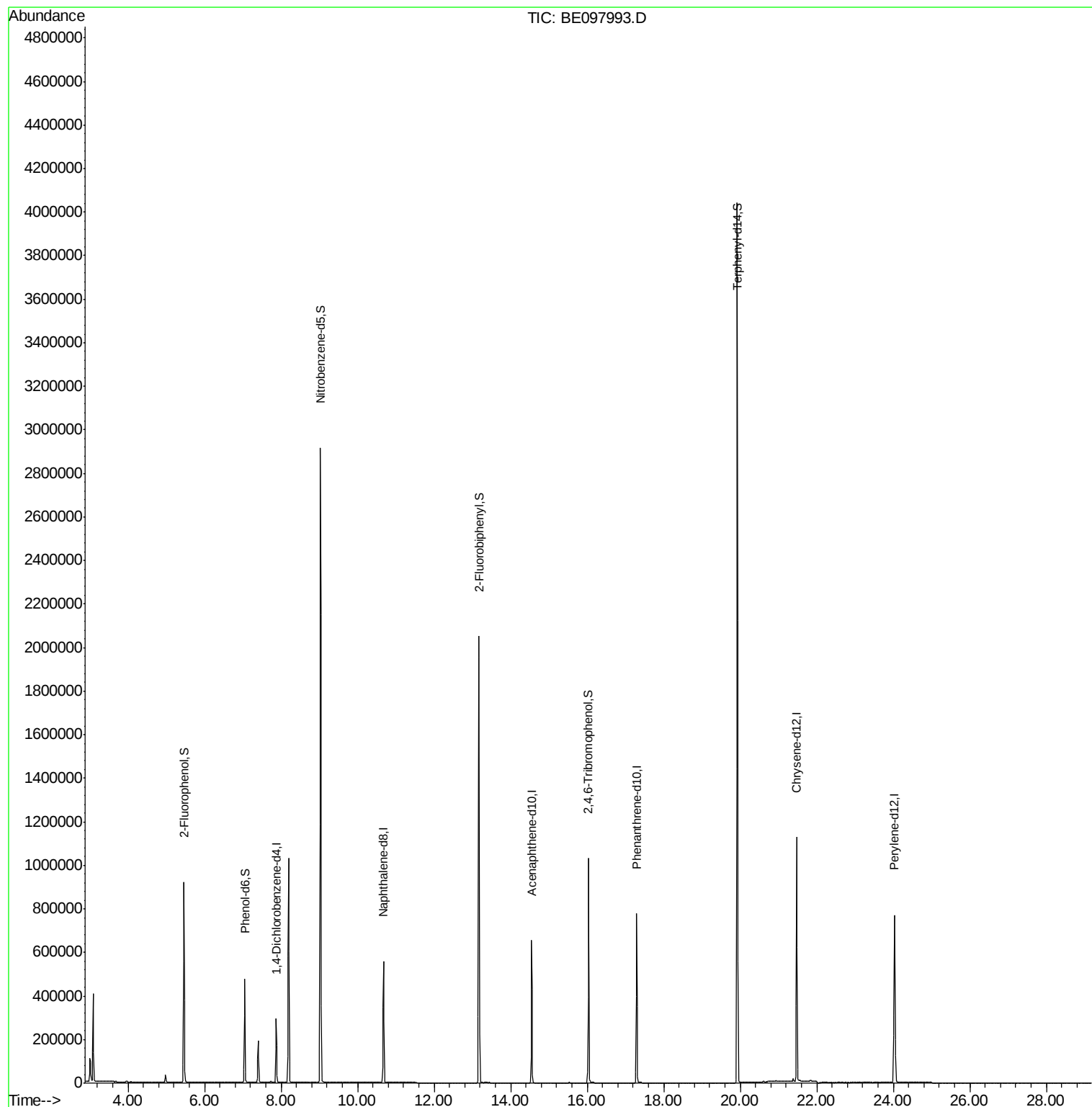
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.88  | 152  | 129269   | 20.00  | ng    | -0.01          |
| 7) Naphthalene-d8           | 10.68 | 136  | 579404   | 20.00  | ng    | -0.01          |
| 13) Acenaphthene-d10        | 14.54 | 164  | 408313   | 20.00  | ng    | -0.02          |
| 19) Phenanthrene-d10        | 17.29 | 188  | 1011405  | 20.00  | ng    | -0.01          |
| 27) Chrysene-d12            | 21.47 | 240  | 1101756  | 20.00  | ng    | -0.01          |
| 34) Perylene-d12            | 24.03 | 264  | 1137854  | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 4) 2-Fluorophenol           | 5.46  | 112  | 406385   | 49.85  | ng    | -0.01          |
| 5) Phenol-d6                | 7.05  | 99   | 393371   | 32.65  | ng    | -0.01          |
| 8) Nitrobenzene-d5          | 9.03  | 82   | 1024842  | 93.39  | ng    | -0.01          |
| 11) 2-Methylnaphthalene-d10 | 12.28 | 152  | 137      | 0.01   | ng    | -0.02          |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330  | 621771   | 141.57 | ng    | -0.01          |
| 15) 2-Fluorobiphenyl        | 13.17 | 172  | 2249613  | 67.41  | ng    | 0.00           |
| 25) Fluoranthene-d10        | 19.31 | 212  | 39       | 0.00   | ng    | -0.02          |
| 29) Terphenyl-d14           | 19.92 | 244  | 3596267  | 71.21  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 30) Benzo(a)anthracene      | 21.47 | 228  | 3356     | 0.050  | ng    | Qvalue<br># 67 |

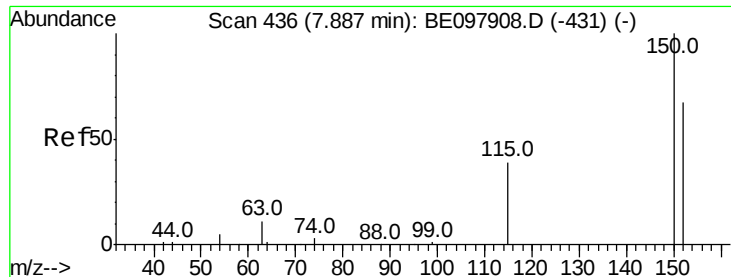
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101918\  
Data File : BE097993.D  
Acq On : 19 Oct 2018 16:00  
Operator : SJ/JU  
Sample : J5237-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 50

Instrument :  
BNA\_E  
ClientSampleId :  
FBGW10318

Quant Time: May 14 18:07:27 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 16 15:36:44 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.88 min Scan# 435

Delta R.T. -0.01 min

Lab File: BE097993.D

Acq: 19 Oct 2018 16:00

Instrument :

BNA\_E

ClientSampleId :

FBGW10318

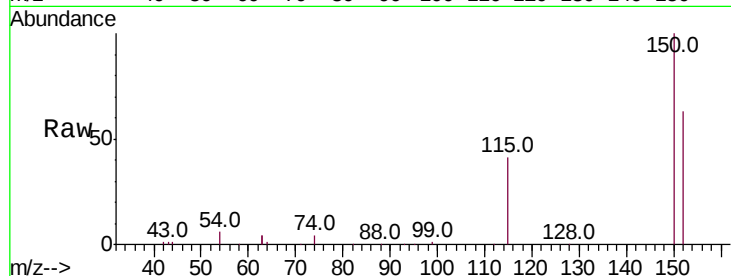
Tot Ion:152 Resp: 129269

Ion Ratio Lower Upper

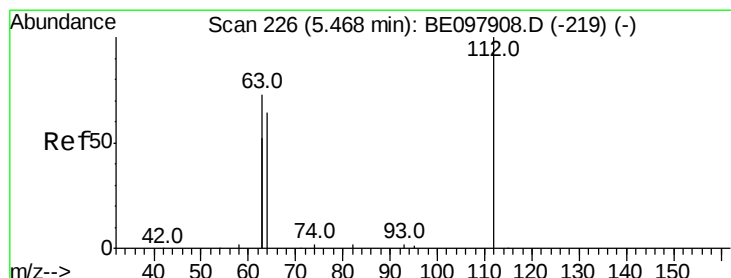
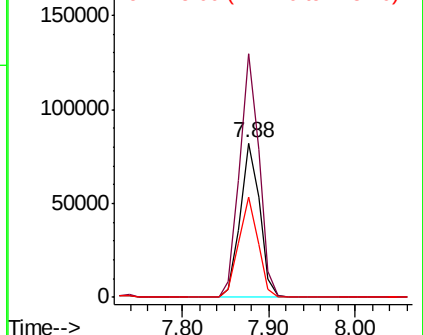
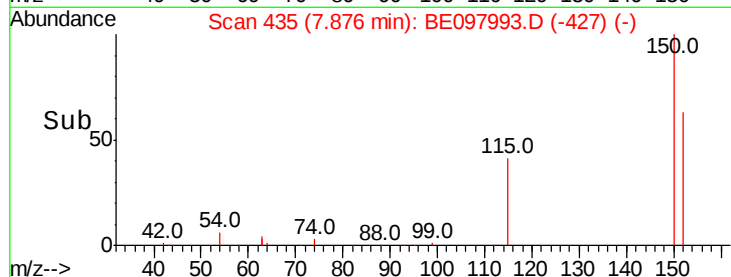
152 100

150 157.7 118.2 177.4

115 64.6 50.9 76.3



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: 49.849 ng

RT: 5.46 min Scan# 225

Delta R.T. -0.01 min

Lab File: BE097993.D

Acq: 19 Oct 2018 16:00

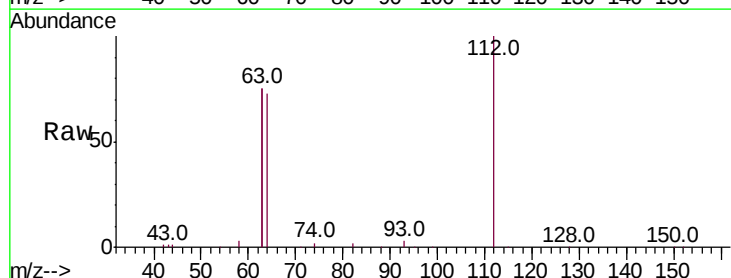
Tgt Ion:112 Resp: 406385

Ion Ratio Lower Upper

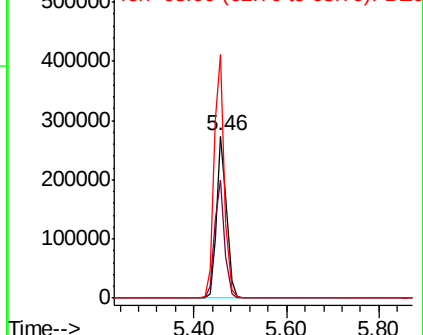
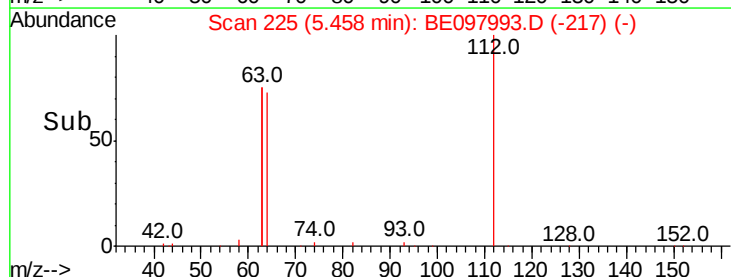
112 100

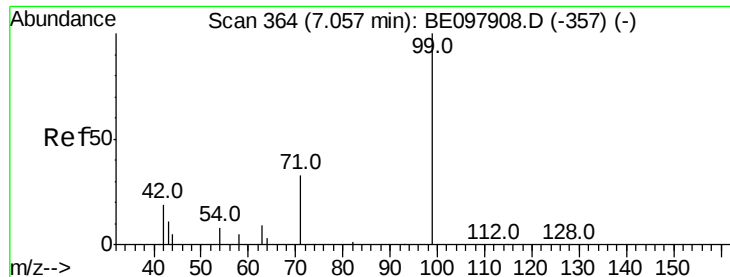
64 73.4 58.9 88.3

63 154.8 120.3 180.5



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: 32.651 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097993.D

Acq: 19 Oct 2018 16:00

Instrument :

BNA\_E

ClientSampleId :

FBGW10318

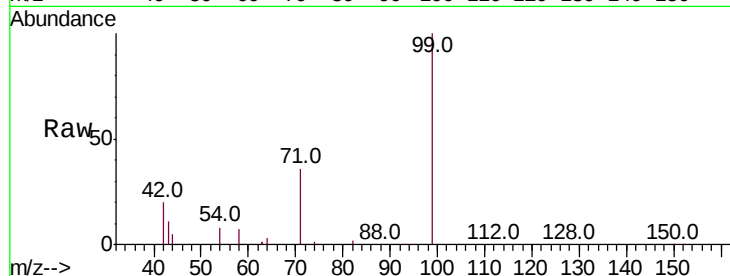
Tot Ion: 99 Resp: 393371

Ion Ratio Lower Upper

99 100

42 24.7 19.9 29.9

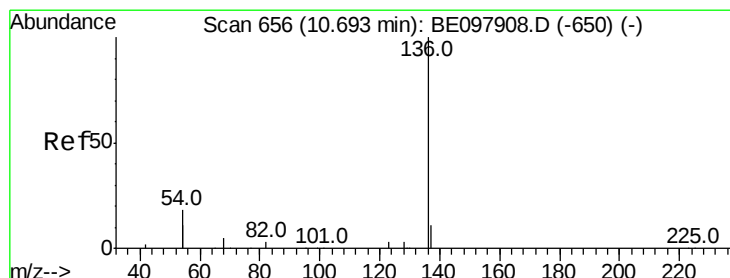
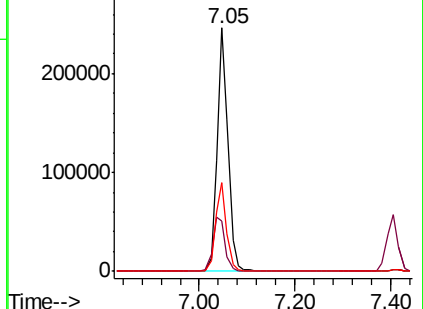
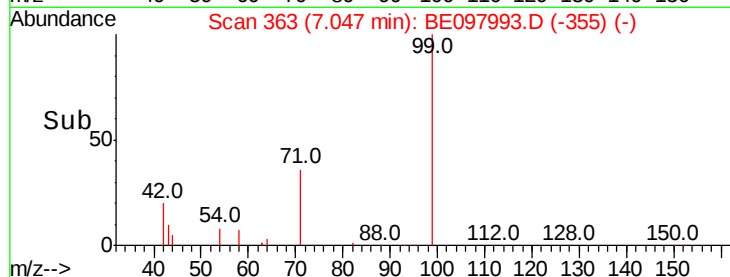
71 36.6 27.8 41.8



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: 20.000 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE097993.D

Acq: 19 Oct 2018 16:00

Tgt Ion:136 Resp: 579404

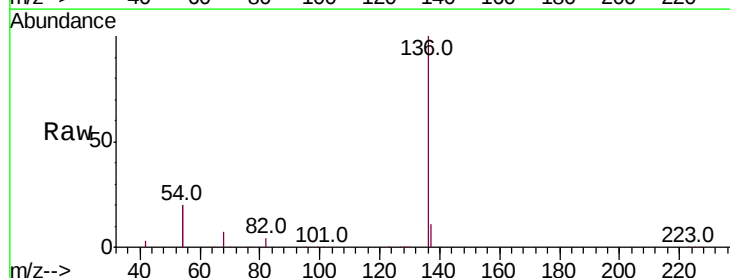
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 39.2 27.7 41.5

68 6.9 5.3 7.9

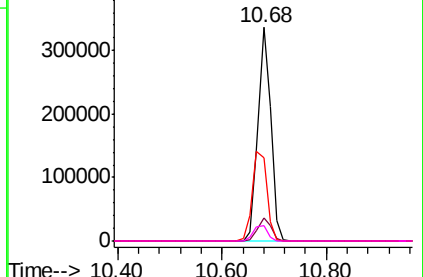
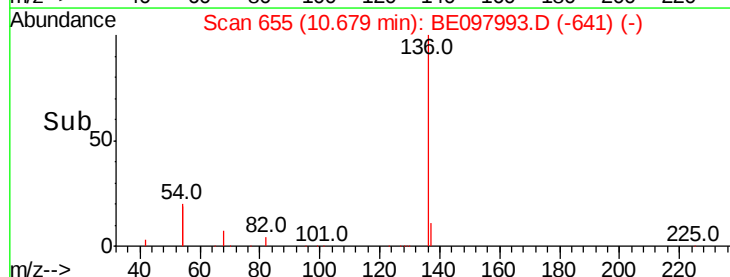


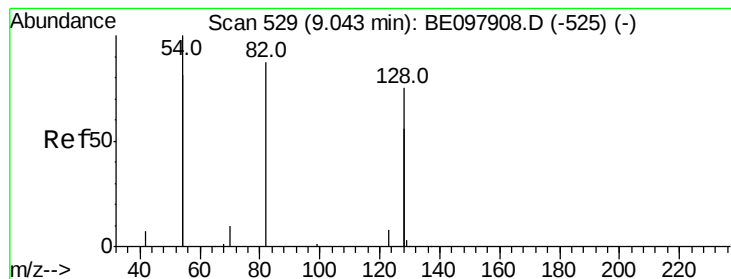
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 93.391 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097993.D

Acq: 19 Oct 2018 16:00

Instrument :

BNA\_E

ClientSampleId :

FBGW10318

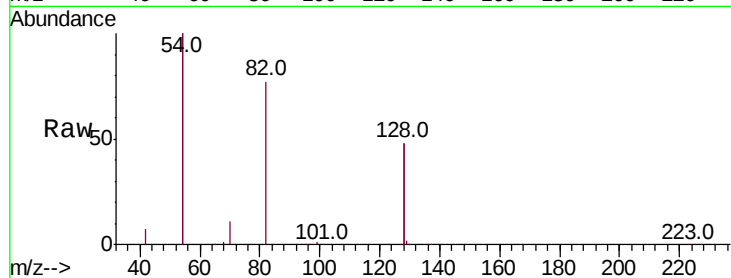
Tot Ion: 82 Resp: 1024842

Ion Ratio Lower Upper

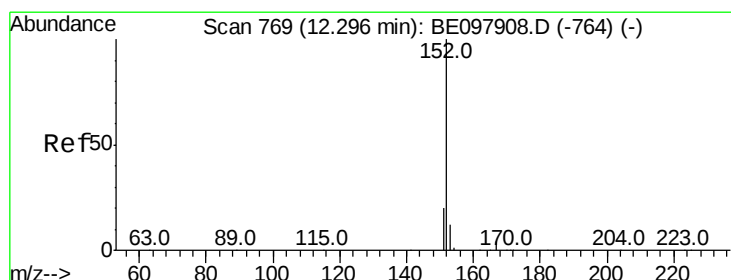
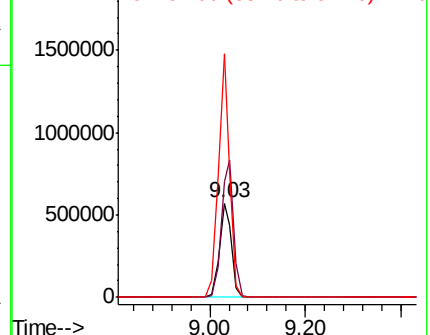
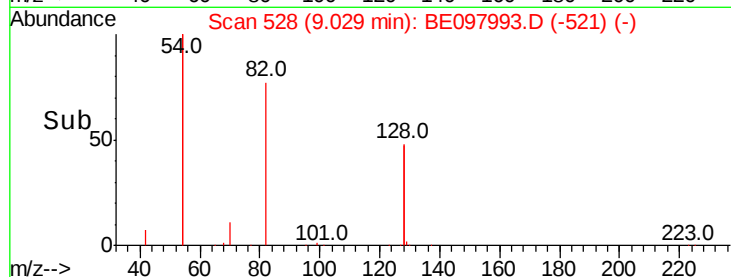
82 100

128 123.1 129.9 194.9#

54 259.1 174.0 261.0



Abundance Ion 82.00 (81.70 to 82.70): BE0  
2000000  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.007 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE097993.D

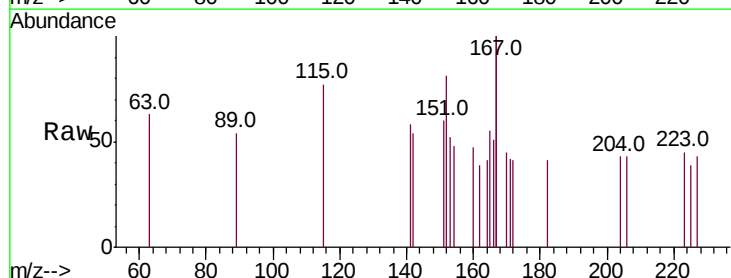
Acq: 19 Oct 2018 16:00

Tgt Ion:152 Resp: 137

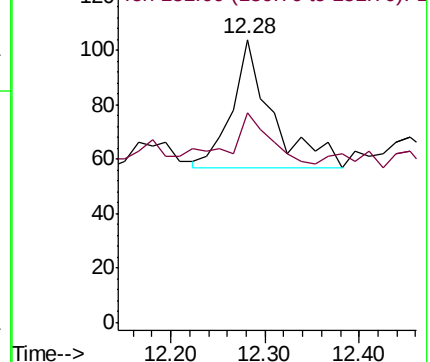
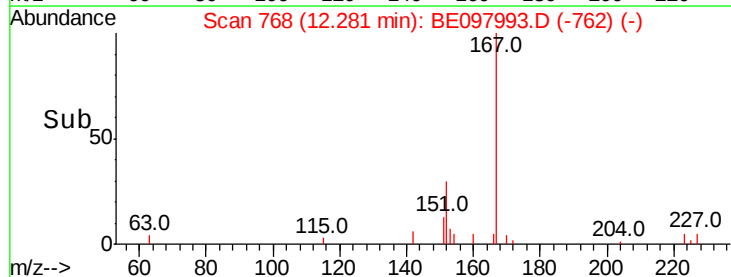
Ion Ratio Lower Upper

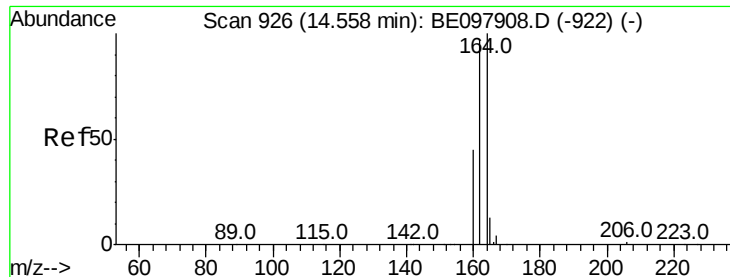
152 100

151 41.6 16.2 24.4#



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

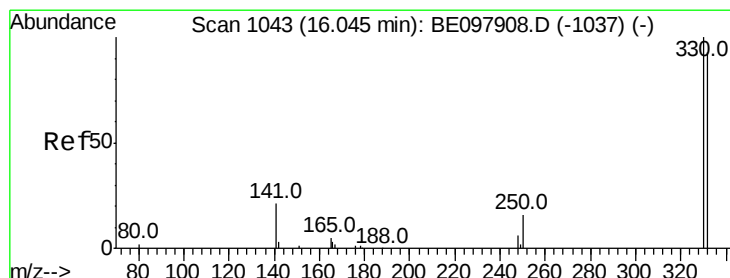
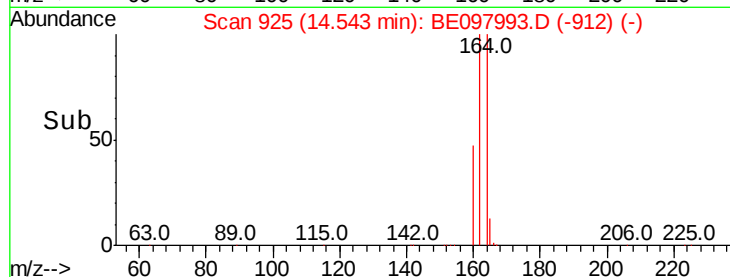
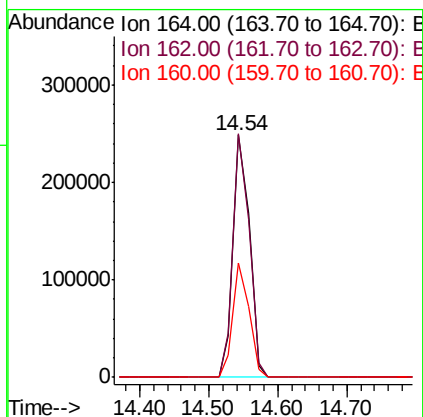
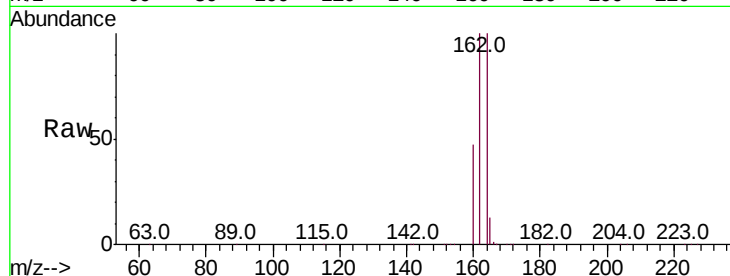




#13  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.54 min Scan# 925  
 Delta R.T. -0.02 min  
 Lab File: BE097993.D  
 Acq: 19 Oct 2018 16:00

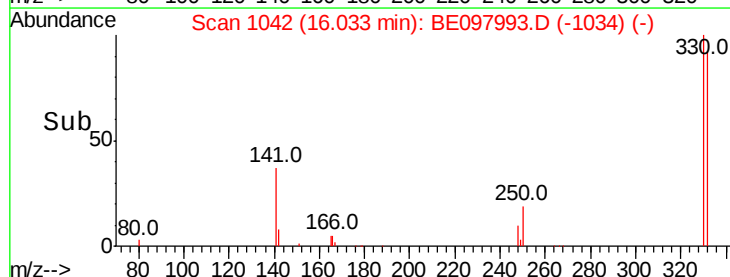
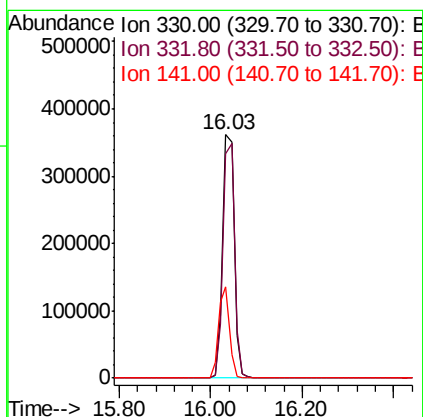
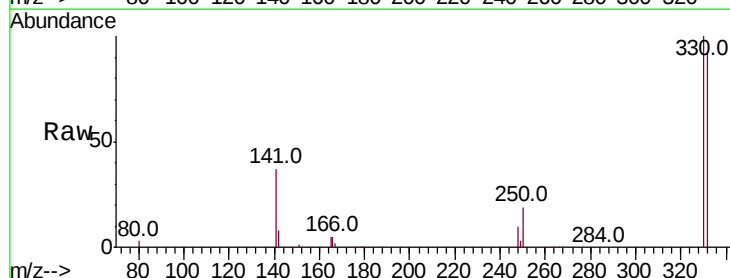
Instrument :  
 BNA\_E  
 ClientSampleId :  
 FBGW10318

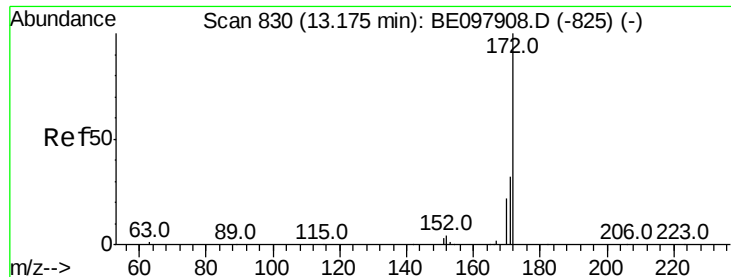
Tot Ion:164 Resp: 408313  
 Ion Ratio Lower Upper  
 164 100  
 162 100.5 77.4 116.2  
 160 47.5 36.5 54.7



#14  
 2,4,6-Tribromophenol  
 Concen: 141.573 ng  
 RT: 16.03 min Scan# 1042  
 Delta R.T. -0.01 min  
 Lab File: BE097993.D  
 Acq: 19 Oct 2018 16:00

Tgt Ion:330 Resp: 621771  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 76.5 114.7  
 141 35.3 31.8 47.6

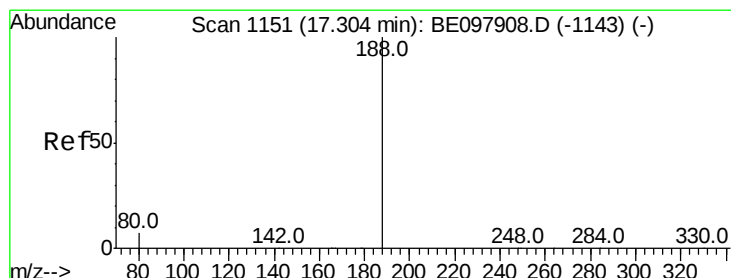
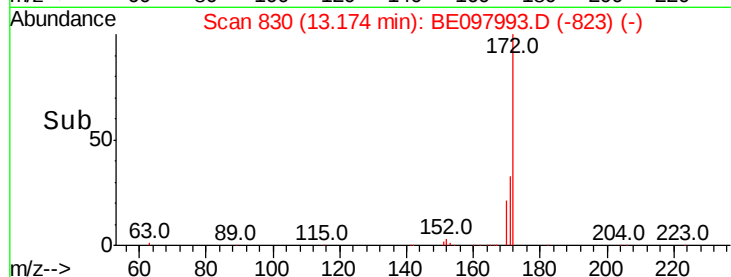
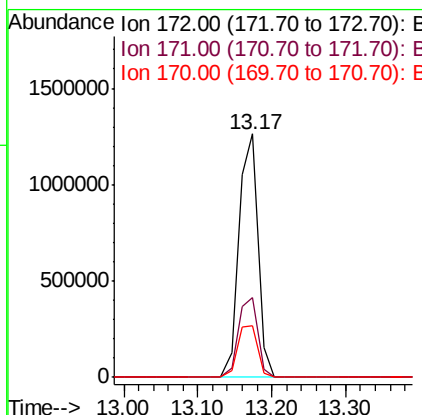
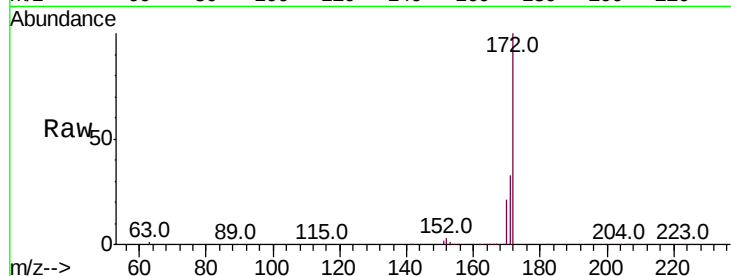




#15  
2-Fluorobiphenyl  
Concen: 67.412 ng  
RT: 13.17 min Scan# 830  
Delta R.T. -0.00 min  
Lab File: BE097993.D  
Acq: 19 Oct 2018 16:00

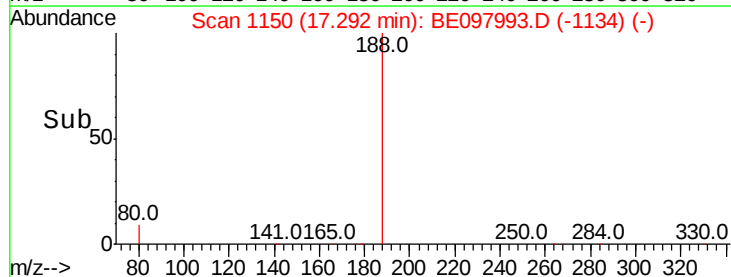
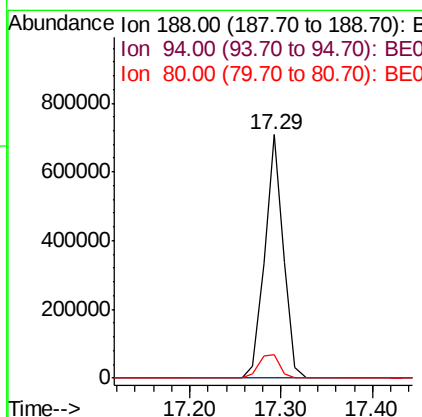
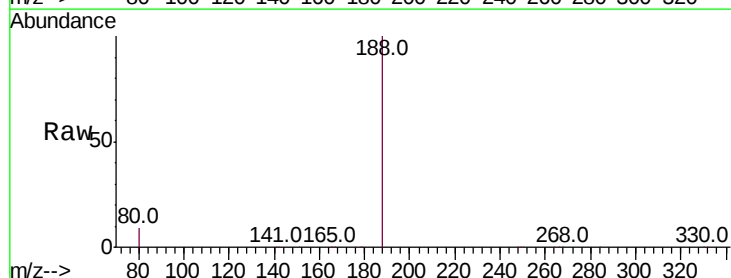
Instrument :  
BNA\_E  
ClientSampleId :  
FBGW10318

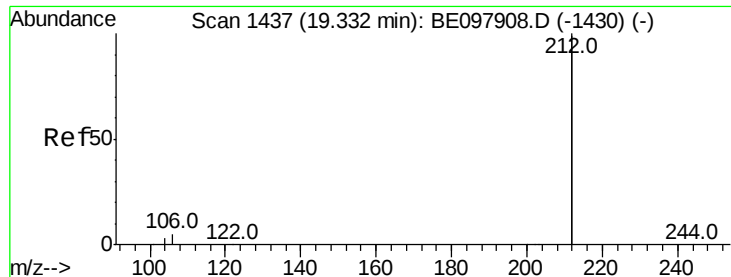
Tot Ion:172 Resp: 2249613  
Ion Ratio Lower Upper  
172 100  
171 33.0 26.0 39.0  
170 21.3 18.0 27.0



#19  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.29 min Scan# 1150  
Delta R.T. -0.01 min  
Lab File: BE097993.D  
Acq: 19 Oct 2018 16:00

Tgt Ion:188 Resp: 1011405  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.4 6.3 9.5





#25

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BE097993.D

Acq: 19 Oct 2018 16:00

Instrument :

BNA\_E

ClientSampleId :

FBGW10318

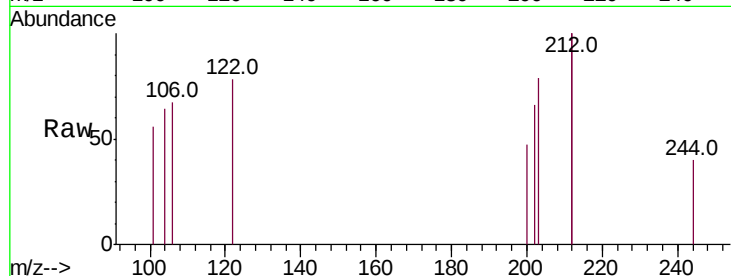
Tot Ion:212 Resp: 39

Ion Ratio Lower Upper

212 100

106 53.8 2.3 3.5#

104 33.3 1.3 1.9#

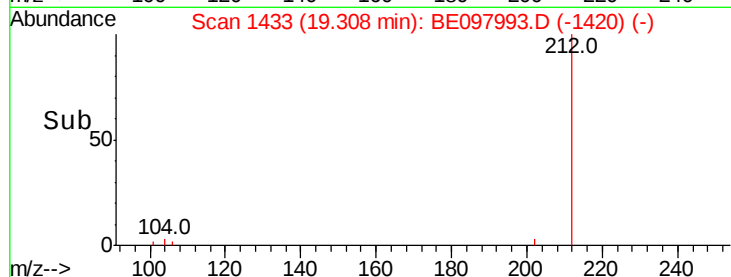


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



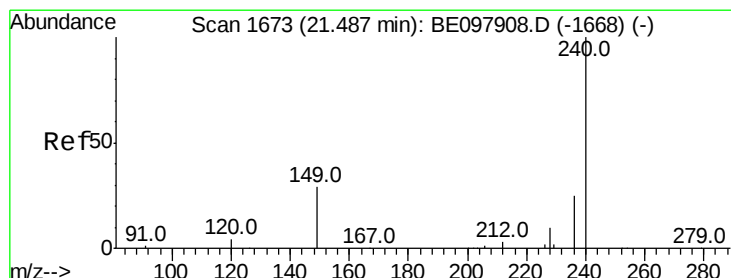
Abundance

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

Time-->



#27

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097993.D

Acq: 19 Oct 2018 16:00

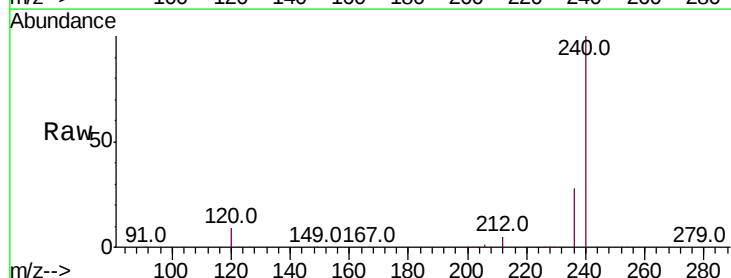
Tgt Ion:240 Resp: 1101756

Ion Ratio Lower Upper

240 100

120 8.5 7.1 10.7

236 28.2 21.3 31.9

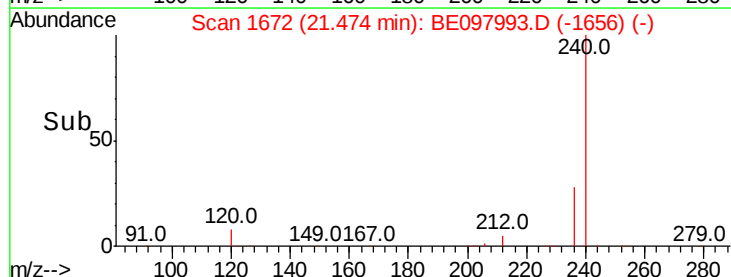


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



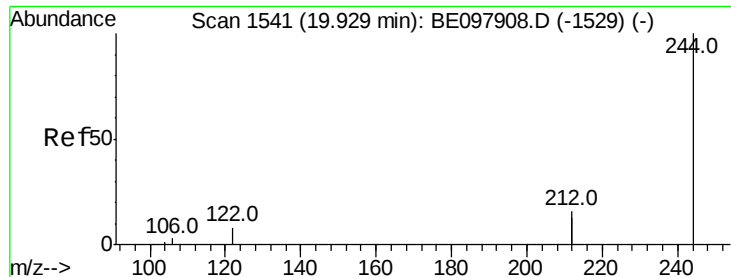
Abundance

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

Time-->



#29

Terphenyl-d14

Concen: 71.208 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097993.D

Acq: 19 Oct 2018 16:00

Instrument :

BNA\_E

ClientSampleId :

FBGW10318

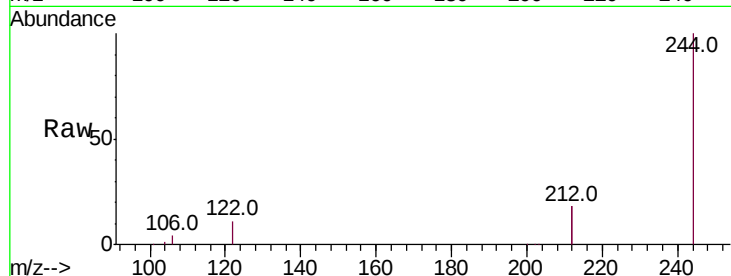
Tot Ion:244 Resp: 3596267

Ion Ratio Lower Upper

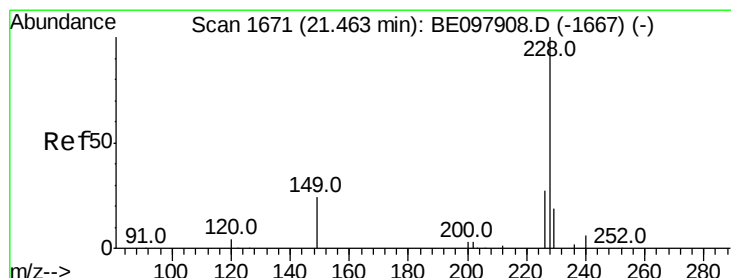
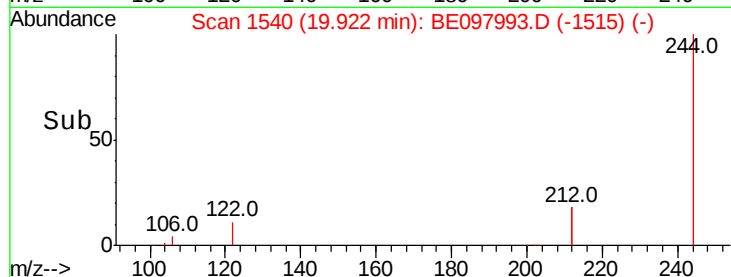
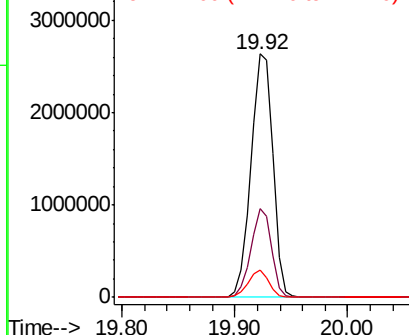
244 100

212 36.6 26.2 39.2

122 11.0 7.7 11.5



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



#30

Benzo(a)anthracene

Concen: 0.050 ng

RT: 21.47 min Scan# 1672

Delta R.T. 0.01 min

Lab File: BE097993.D

Acq: 19 Oct 2018 16:00

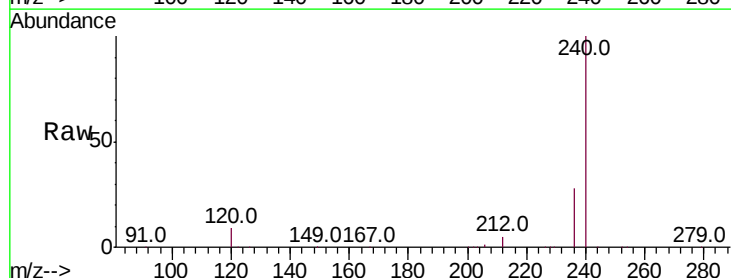
Tgt Ion:228 Resp: 3356

Ion Ratio Lower Upper

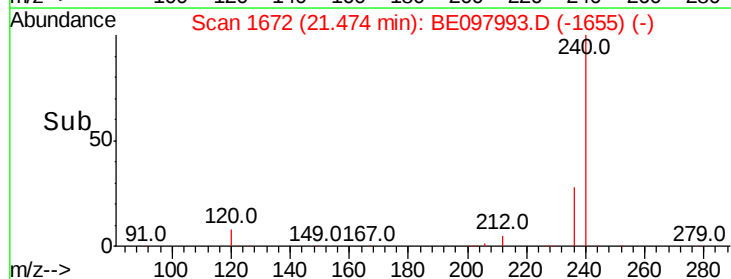
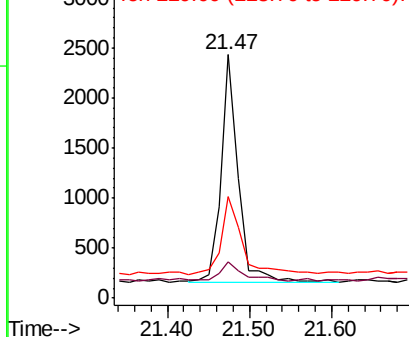
228 100

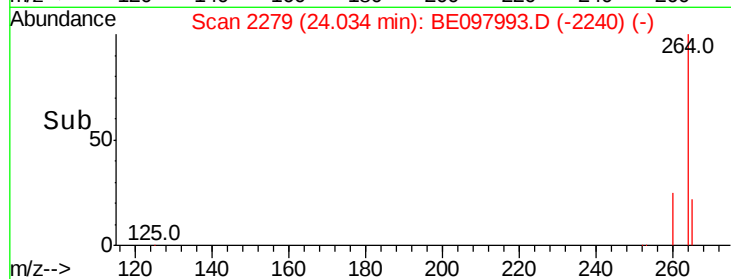
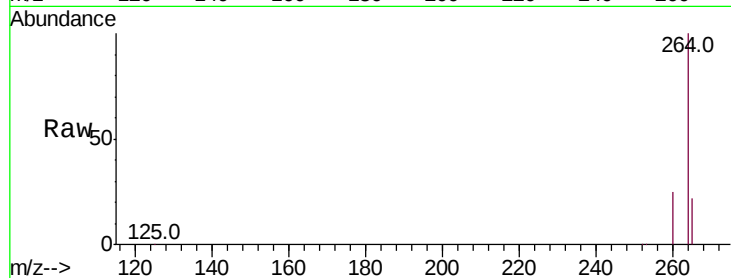
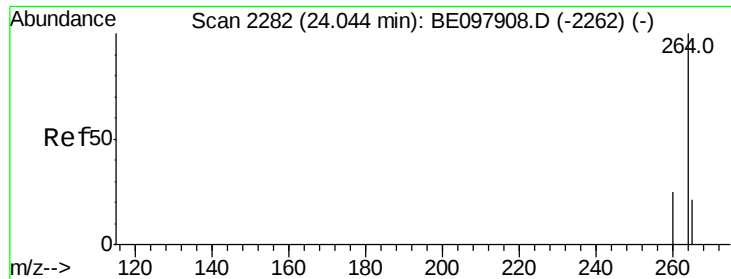
226 15.1 22.6 33.8#

229 41.6 16.9 25.3#



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#34  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.03 min Scan# 2279  
 Delta R.T. -0.01 min  
 Lab File: BE097993.D  
 Acq: 19 Oct 2018 16:00

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FBGW10318

Tot Ion:264 Resp: 1137854  
 Ion Ratio Lower Upper  
 264 100  
 260 25.2 21.1 31.7  
 265 22.1 29.2 43.8#

