

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE061319\  
 Data File : BE100002.D  
 Acq On : 13 Jun 2019 22:37  
 Operator : JU/SJ  
 Sample : K3280-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-MH-SW4001-SOUTH-20190608

Quant Time: Jun 14 03:27:04 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 14:57:20 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 641      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 2380     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 2015     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.21 | 188  | 6871     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 9017     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.93 | 264  | 10500    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.36  | 112  | 271      | 0.16 | ng    | 0.00     |
| 5) Phenol-d6                | 7.00  | 99   | 200      | 0.09 | ng    | 0.03     |
| 8) Nitrobenzene-d5          | 8.99  | 82   | 769      | 0.34 | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 1477     | 0.36 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 480      | 0.32 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 3155     | 0.41 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.25 | 212  | 34114    | 0.34 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.84 | 244  | 9037     | 0.56 | ng    | -0.01    |

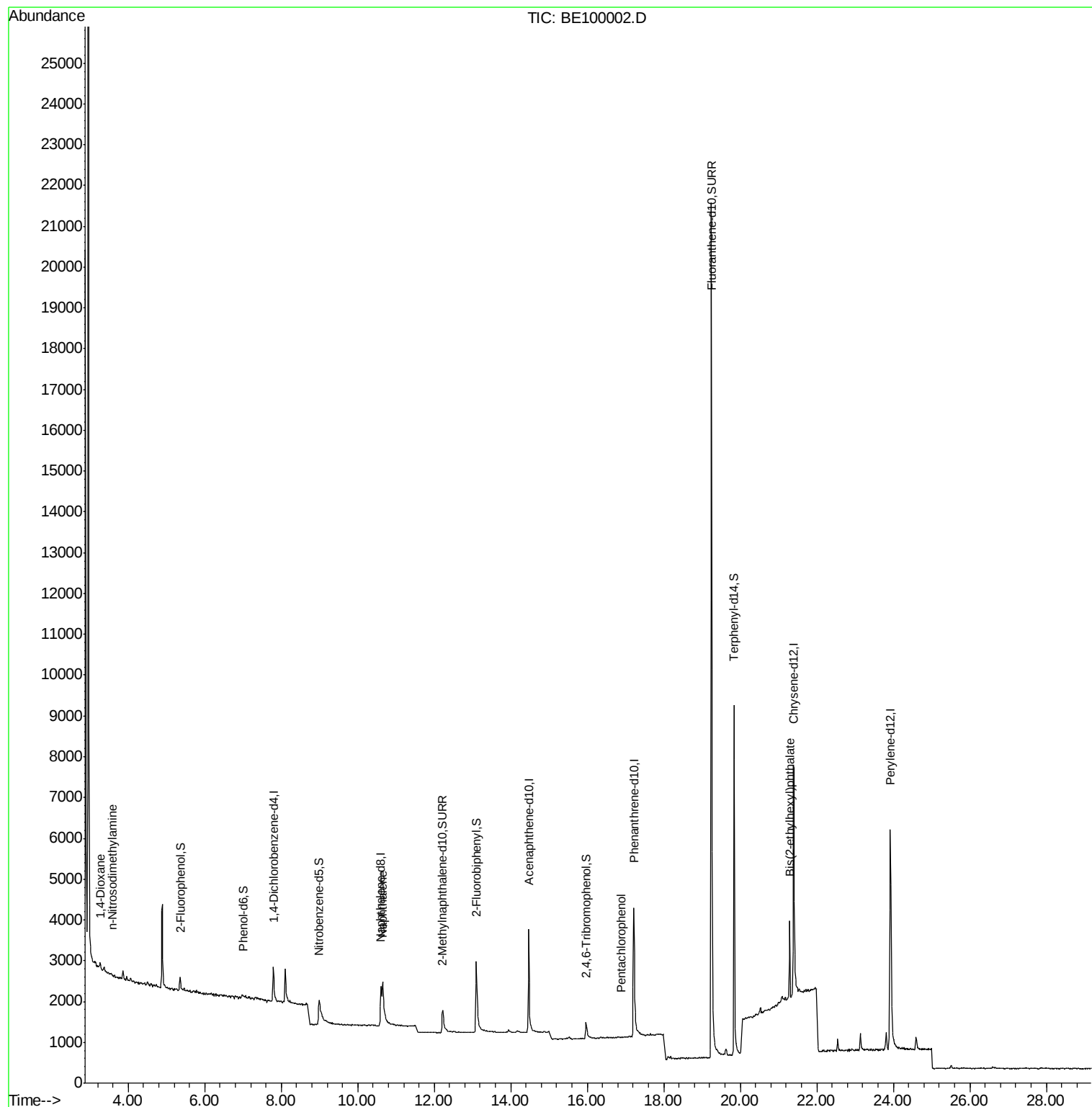
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.27  | 88   | 159      | 0.168 | ng    | # 58   |
| 3) n-Nitrosodimethylamine      | 3.58  | 42   | 29       | 0.053 | ng    | # 100  |
| 9) Naphthalene                 | 10.65 | 128  | 2644     | 0.103 | ng    | # 90   |
| 22) Pentachlorophenol          | 16.89 | 266  | 8        | 0.304 | ng    | # 77   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 2243     | 0.058 | ng    | # 96   |

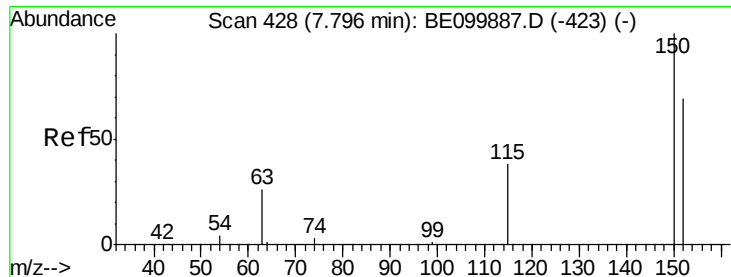
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 14 03:27:04 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 10 14:57:20 2019  
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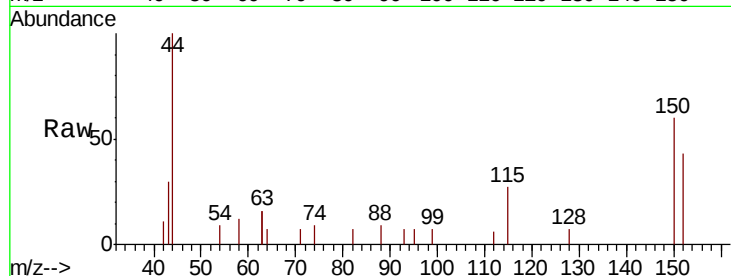


#1

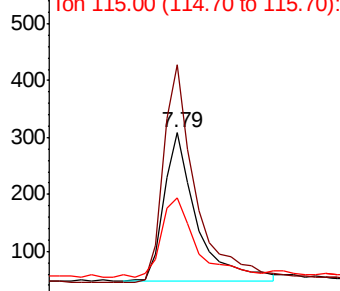
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.79 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: BE100002.D  
Acq: 13 Jun 2019 22:37

Instrument :  
BNA\_E  
ClientSampleId :  
BP-MH-SW4001-SOUTH-20190608

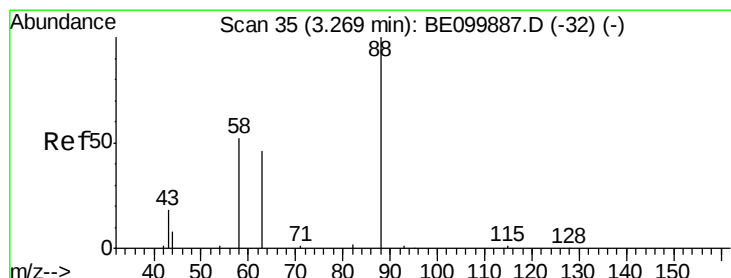
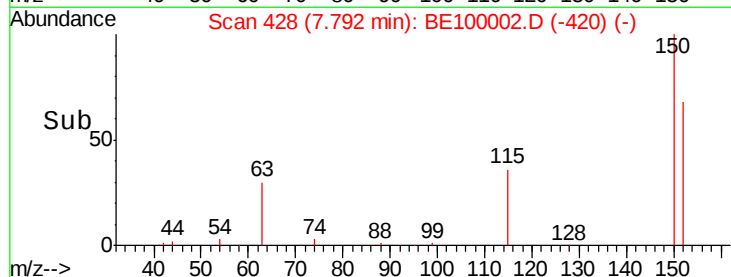
Tgt Ion: 152 Resp: 641  
Ion Ratio Lower Upper  
152 100  
150 139.0 111.0 166.6  
115 63.3 50.7 76.1



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



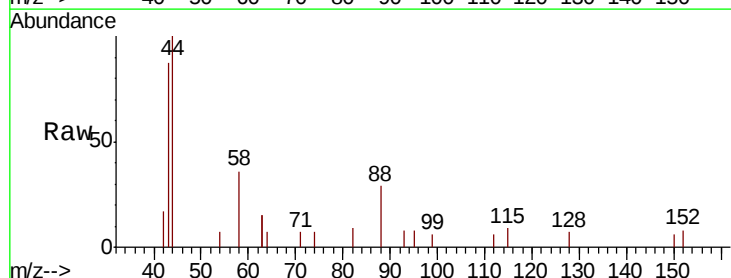
Time-->



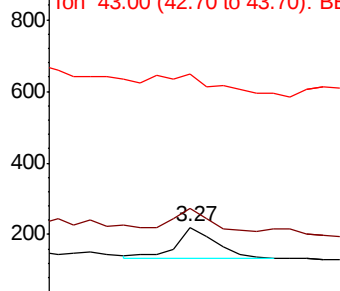
#2

1,4-Dioxane  
Concen: 0.168 ng  
RT: 3.27 min Scan# 35  
Delta R.T. -0.00 min  
Lab File: BE100002.D  
Acq: 13 Jun 2019 22:37

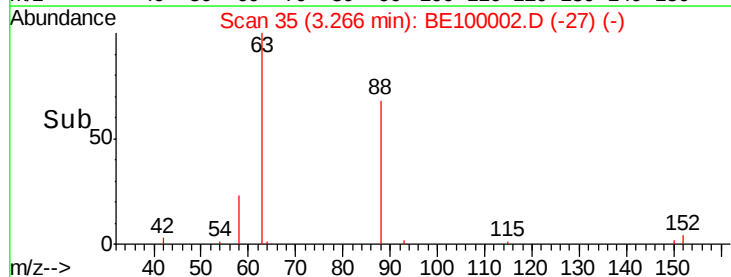
Tgt Ion: 88 Resp: 159  
Ion Ratio Lower Upper  
88 100  
58 66.7 48.8 73.2  
43 87.4 19.0 28.6#



Abundance Ion 88.00 (87.70 to 88.70): BE1  
Ion 58.00 (57.70 to 58.70): BE1  
Ion 43.00 (42.70 to 43.70): BE1



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.053 ng

RT: 3.58 min Scan# 62

Delta R.T. -0.03 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

Instrument :

BNA\_E

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608

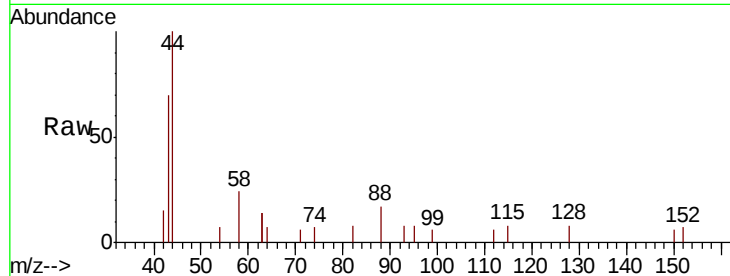
Tgt Ion: 42 Resp: 29

Ion Ratio Lower Upper

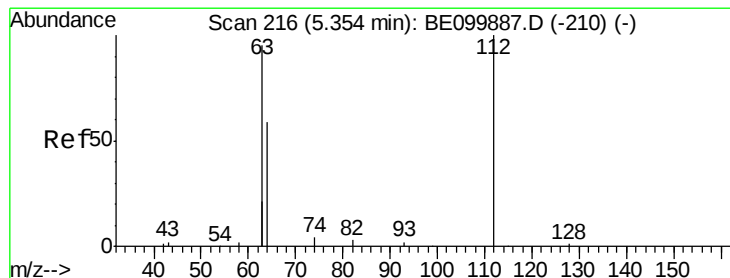
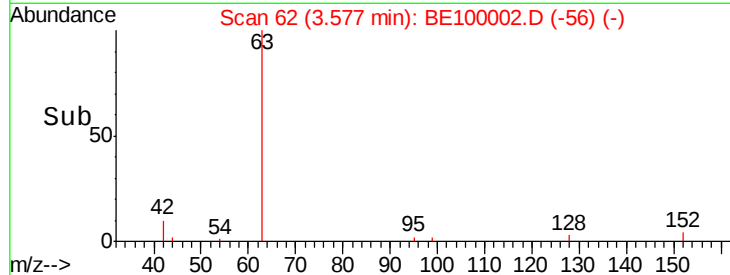
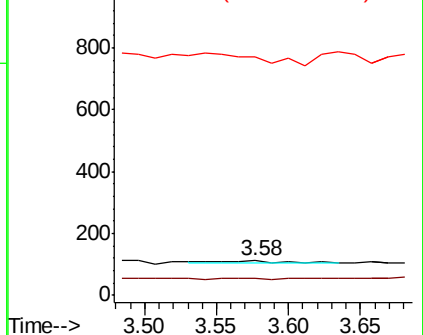
42 100

74 0.0 0.0 0.0

44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE1  
Ion 74.00 (73.70 to 74.70): BE1  
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.157 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

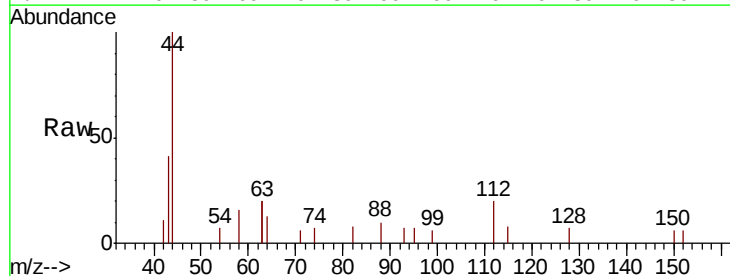
Tgt Ion: 112 Resp: 271

Ion Ratio Lower Upper

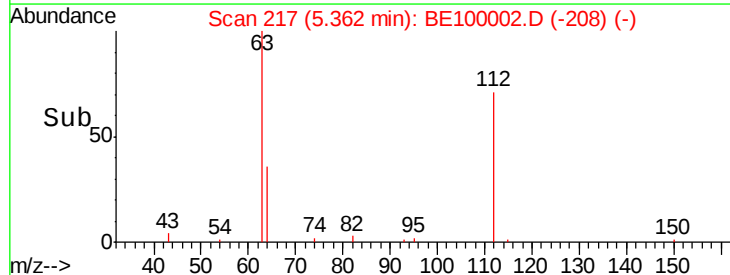
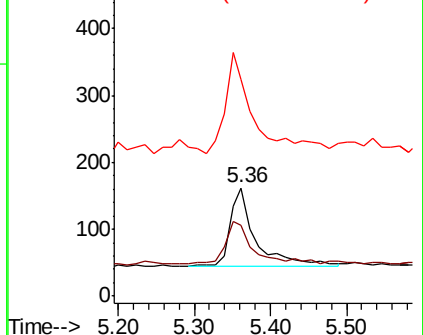
112 100

64 52.8 44.1 66.1

63 143.9 87.8 131.6#



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: 0.090 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.03 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

Instrument :

BNA\_E

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608

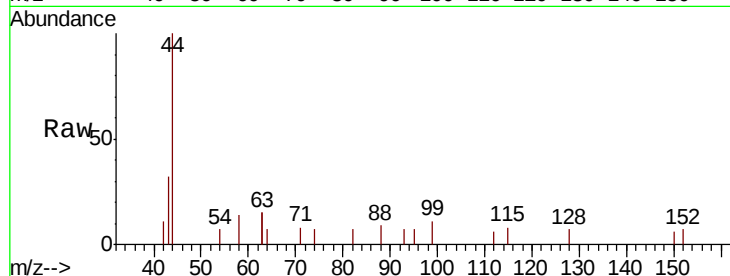
Tgt Ion: 99 Resp: 200

Ion Ratio Lower Upper

99 100

42 0.0 15.9 23.9#

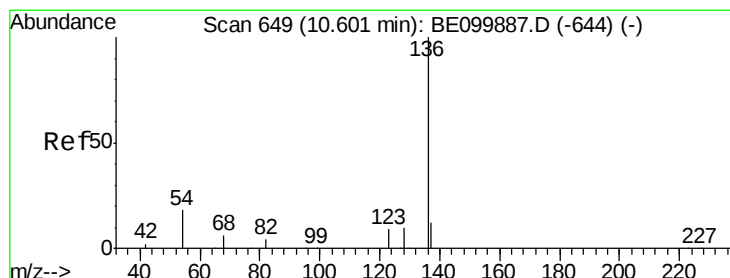
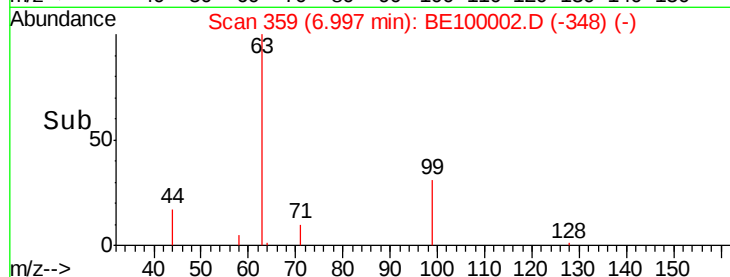
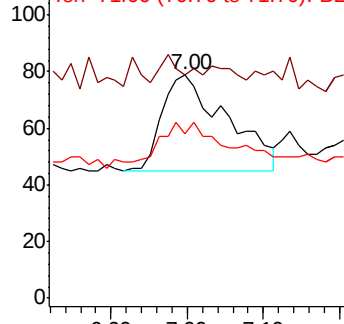
71 52.5 34.6 52.0#



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: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

Tgt Ion: 136 Resp: 2380

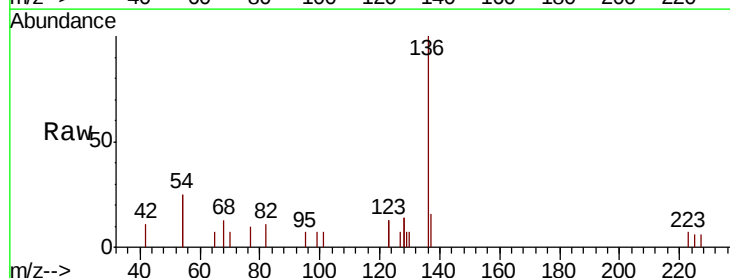
Ion Ratio Lower Upper

136 100

137 16.0 12.3 18.5

54 49.9 28.2 42.4#

68 13.0 7.8 11.8#

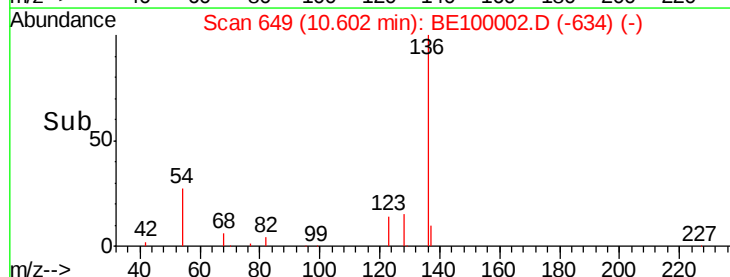
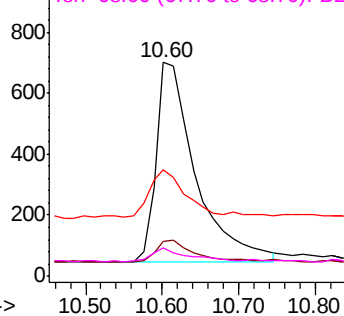


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.341 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

Instrument :

BNA\_E

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608

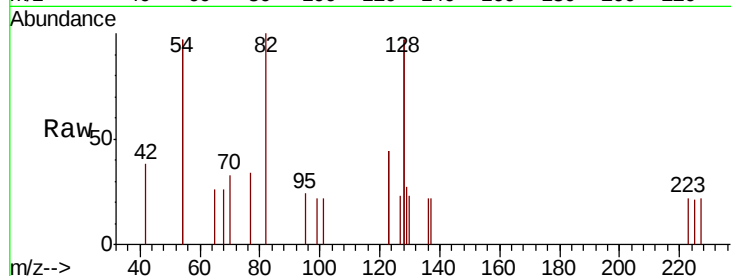
Tgt Ion: 82 Resp: 769

Ion Ratio Lower Upper

82 100

128 194.2 137.3 205.9

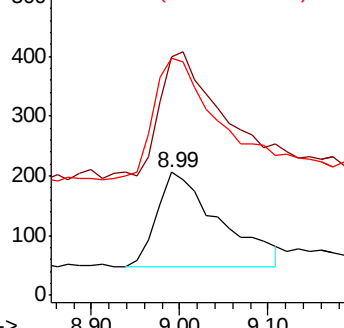
54 193.2 129.7 194.5



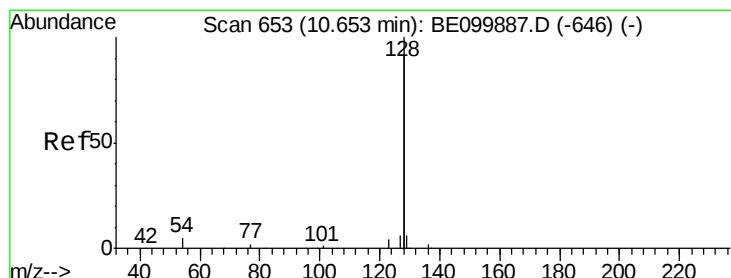
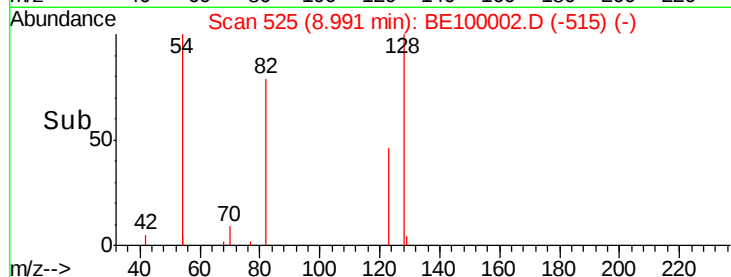
Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



Time-->



#9

Naphthalene

Concen: 0.103 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

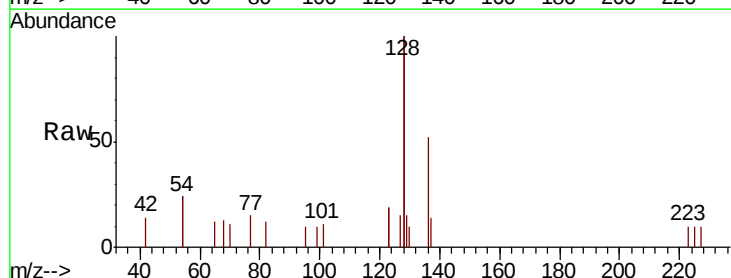
Tgt Ion: 128 Resp: 2644

Ion Ratio Lower Upper

128 100

129 7.3 3.0 4.6#

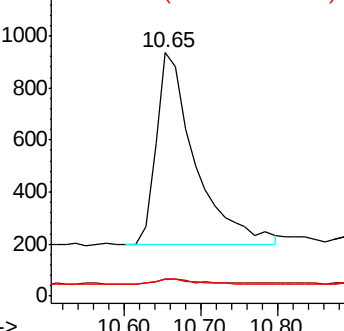
127 7.3 3.4 5.0#



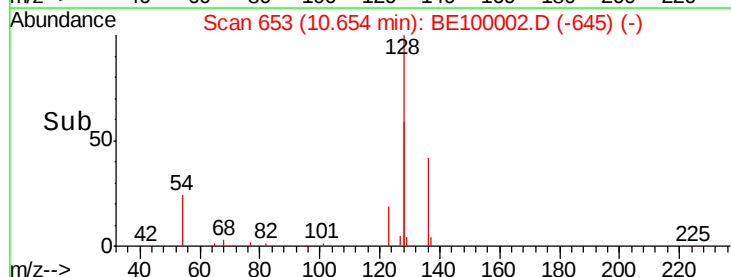
Abundance Ion 128.00 (127.70 to 128.70): E

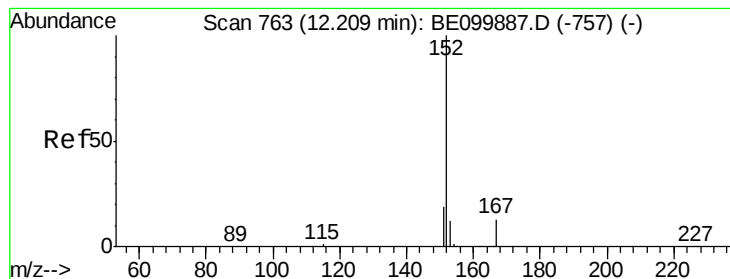
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.356 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.01 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

Instrument :

BNA\_E

ClientSampleId :

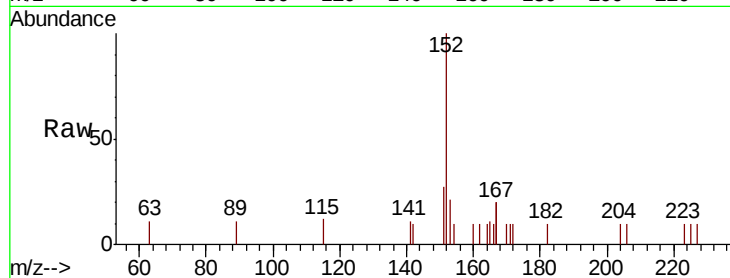
BP-MH-SW4001-SOUTH-20190608

Tgt Ion:152 Resp: 1477

Ion Ratio Lower Upper

152 100

151 19.6 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

400

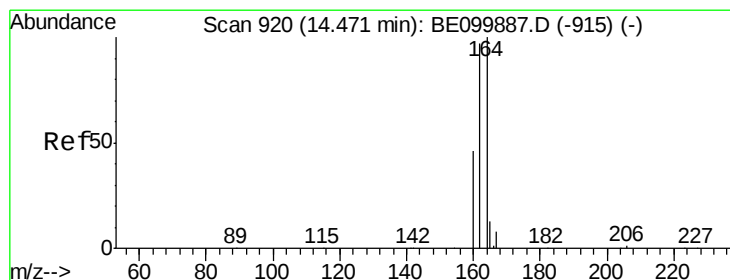
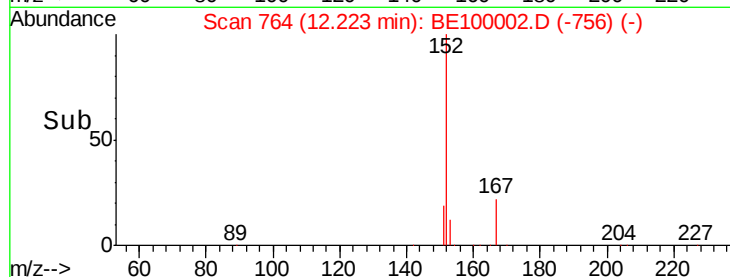
300

200

100

0

Time--> 12.00 12.20 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

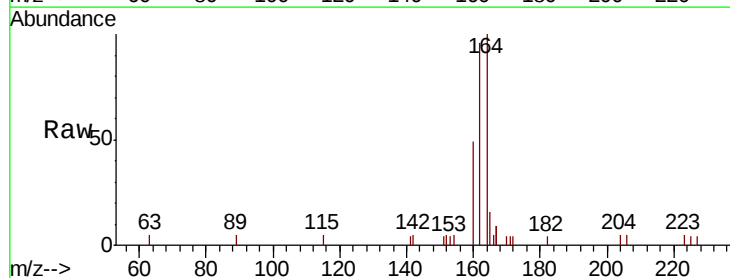
Tgt Ion:164 Resp: 2015

Ion Ratio Lower Upper

164 100

162 95.9 77.8 116.8

160 49.3 38.2 57.4



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

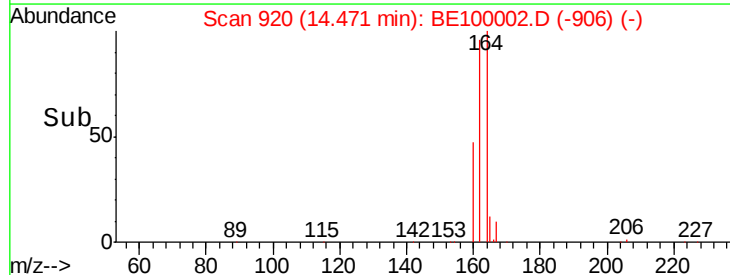
14.47

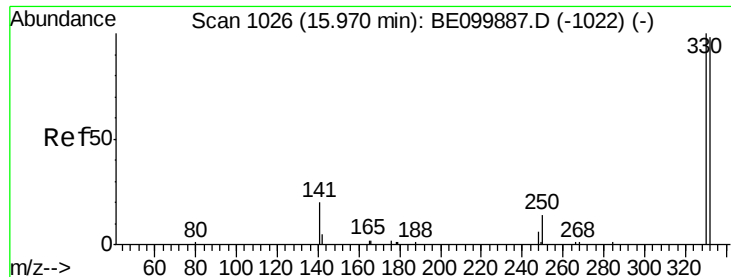
1000

500

0

Time--> 14.40 14.60

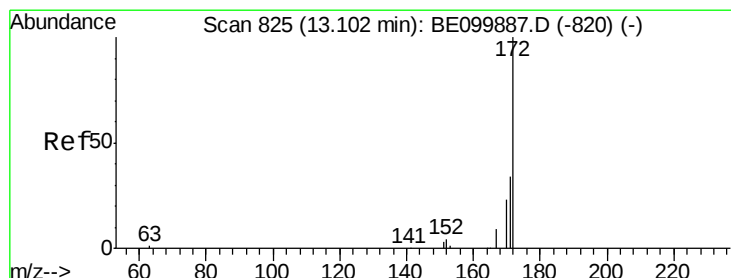
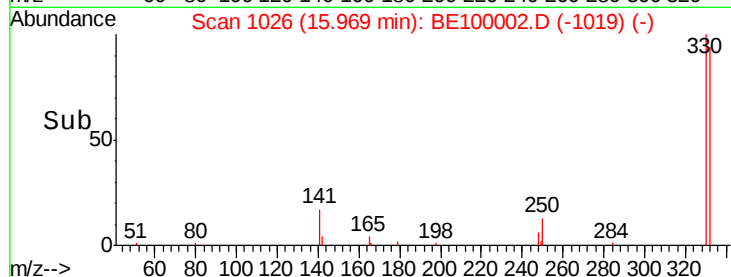
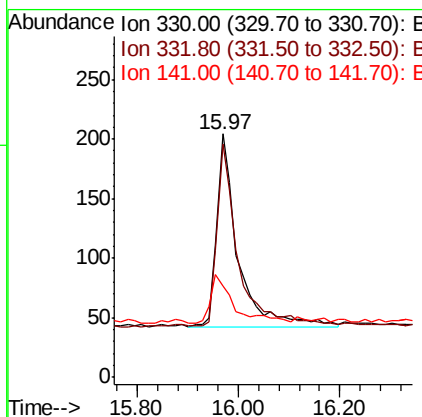
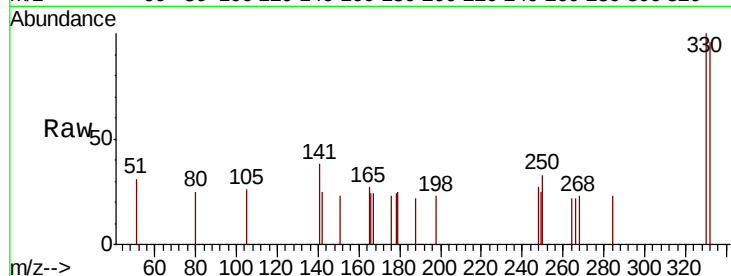




#14  
 2,4,6-Tribromophenol  
 Concen: 0.322 ng  
 RT: 15.97 min Scan# 1026  
 Delta R.T. -0.00 min  
 Lab File: BE100002.D  
 Acq: 13 Jun 2019 22:37

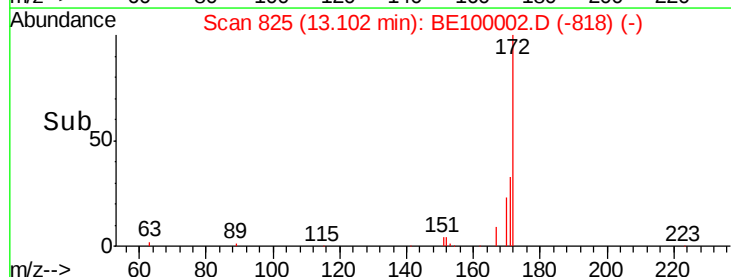
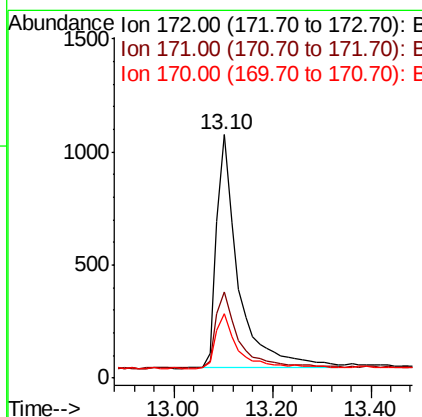
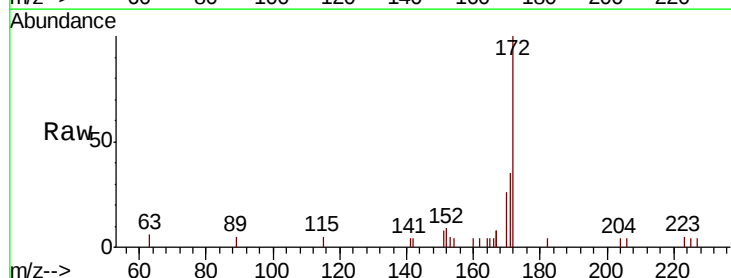
Instrument :  
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 BP-MH-SW4001-SOUTH-20190608

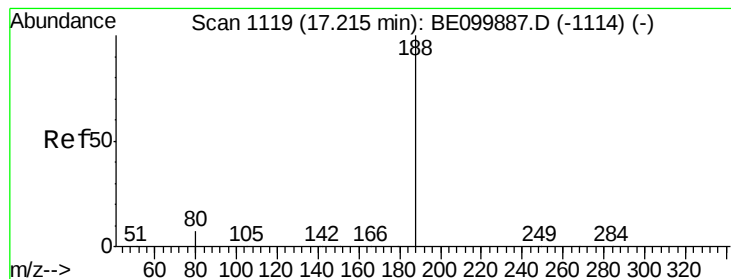
Tgt Ion: 330 Resp: 480  
 Ion Ratio Lower Upper  
 330 100  
 332 92.5 76.7 115.1  
 141 25.8 21.0 31.6



#15  
 2-Fluorobiphenyl  
 Concen: 0.413 ng  
 RT: 13.10 min Scan# 825  
 Delta R.T. 0.00 min  
 Lab File: BE100002.D  
 Acq: 13 Jun 2019 22:37

Tgt Ion: 172 Resp: 3155  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.2 43.8  
 170 26.5 21.2 31.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

Instrument :

BNA\_E

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608

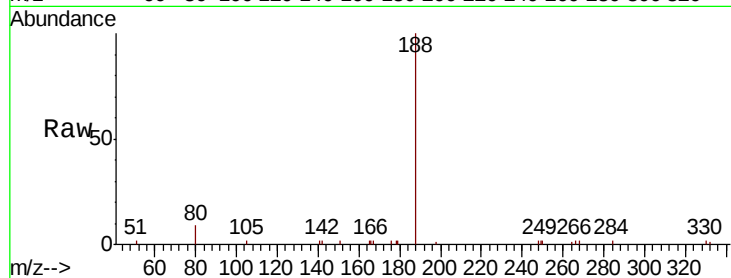
Tgt Ion:188 Resp: 6871

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

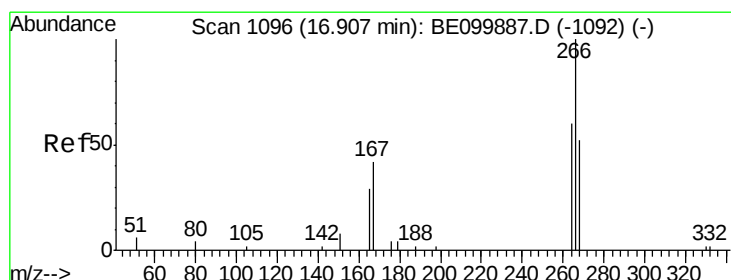
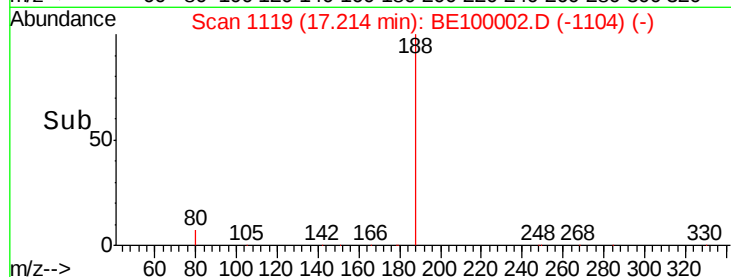
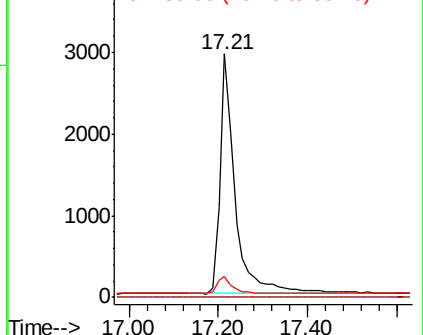
80 8.9 6.4 9.6



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



#22

Pentachlorophenol

Concen: 0.304 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

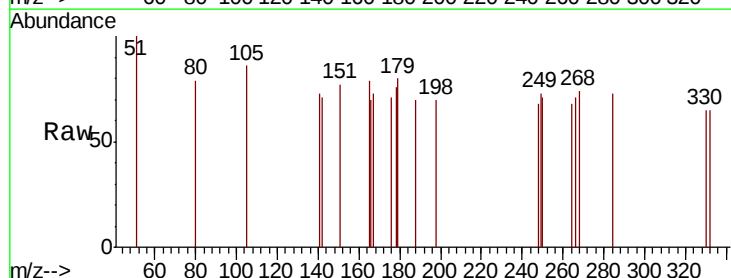
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 95.7 62.2 93.2#

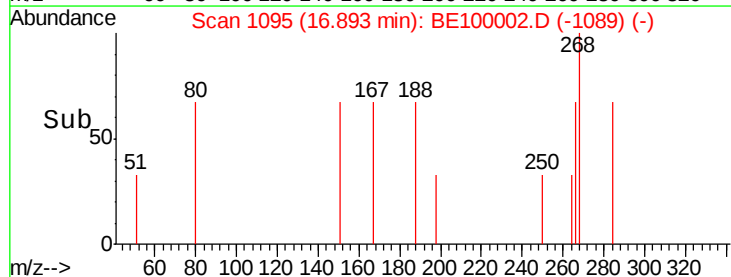
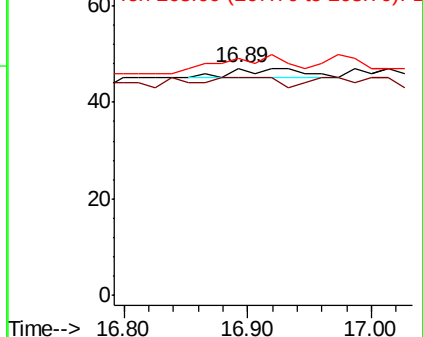
268 104.3 65.5 98.3#

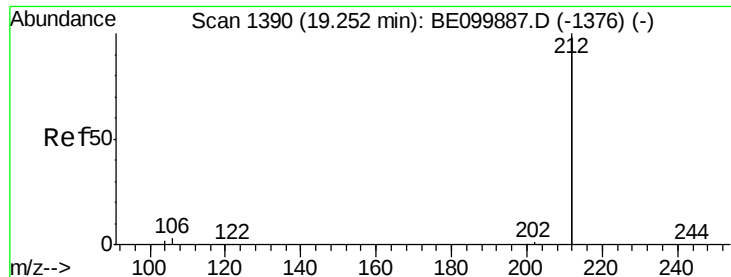


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.341 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

Instrument :

BNA\_E

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608

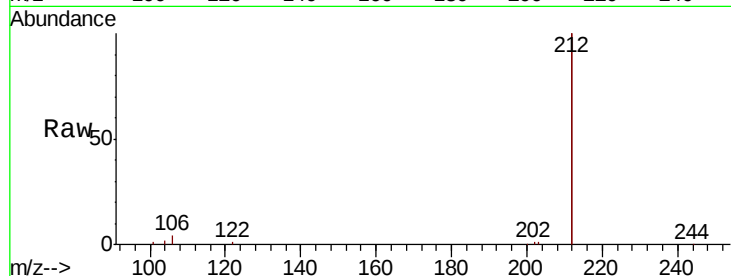
Tgt Ion:212 Resp: 34114

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

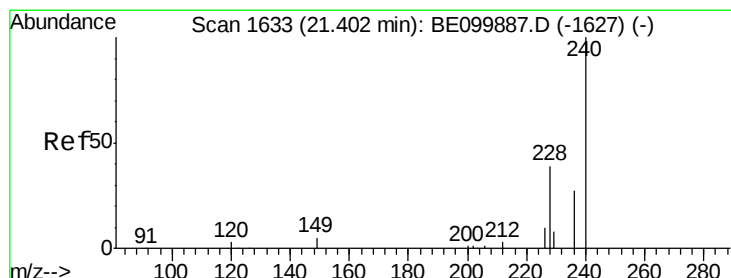
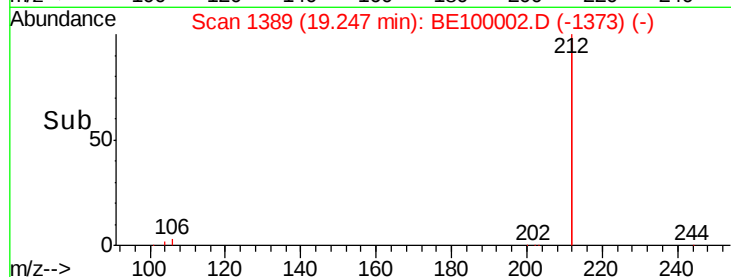
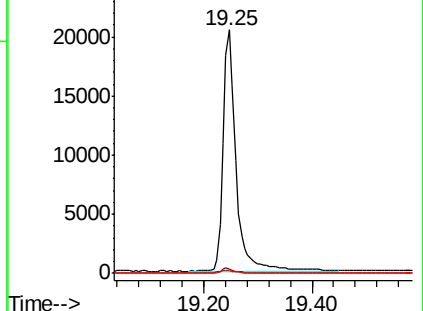
104 1.1 0.9 1.3



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: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

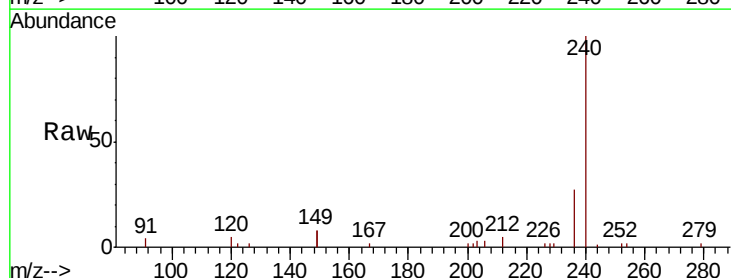
Tgt Ion:240 Resp: 9017

Ion Ratio Lower Upper

240 100

120 5.4 3.8 5.6

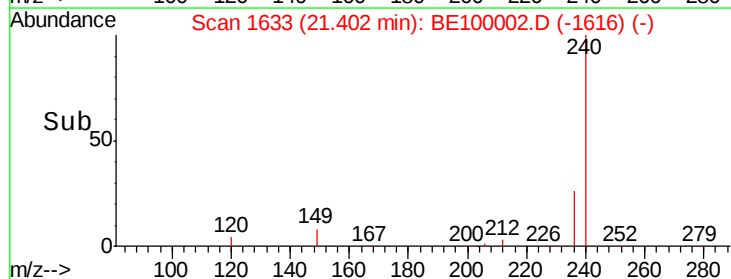
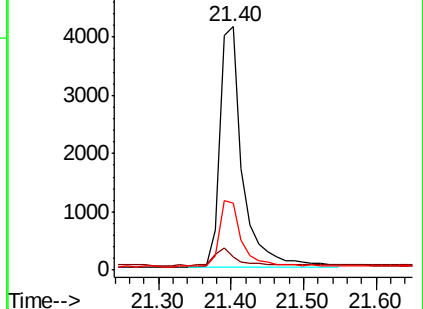
236 27.3 22.0 33.0

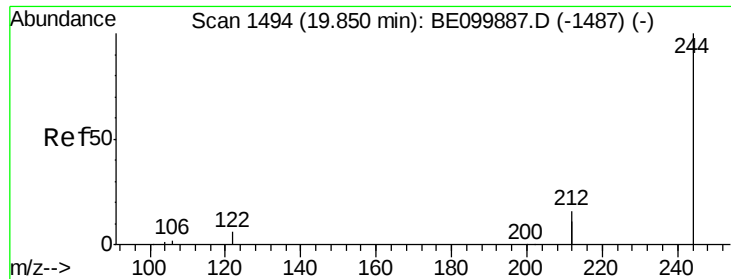


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.557 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

Instrument :

BNA\_E

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608

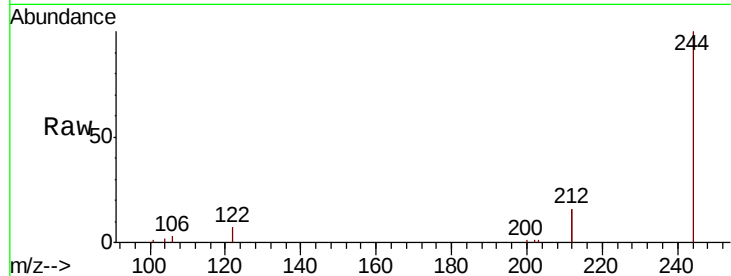
Tgt Ion:244 Resp: 9037

Ion Ratio Lower Upper

244 100

212 31.9 25.7 38.5

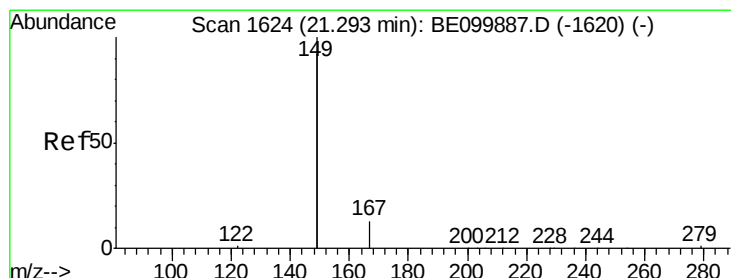
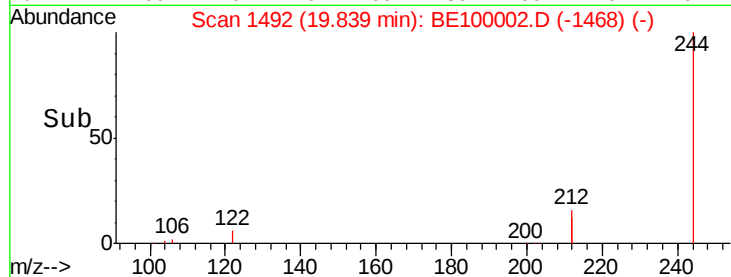
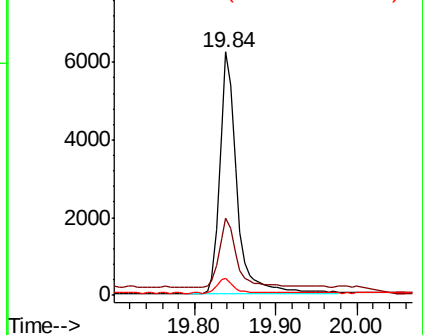
122 6.9 5.5 8.3



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.058 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

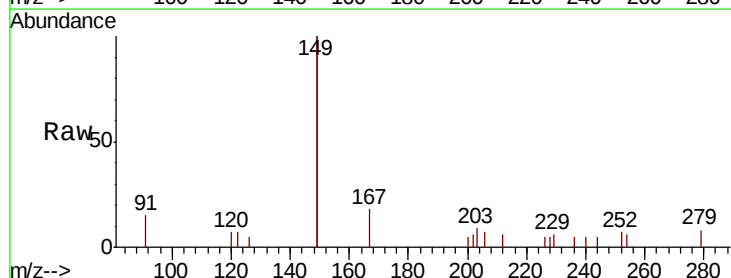
Tgt Ion:149 Resp: 2243

Ion Ratio Lower Upper

149 100

167 9.0 5.9 8.9#

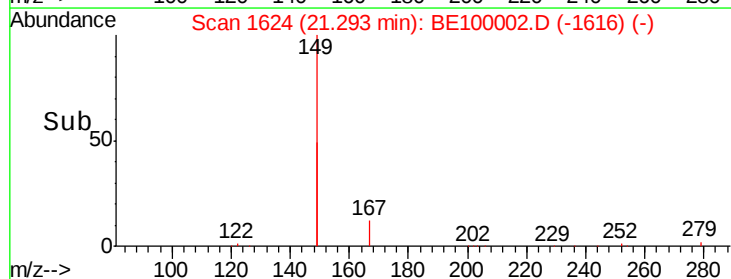
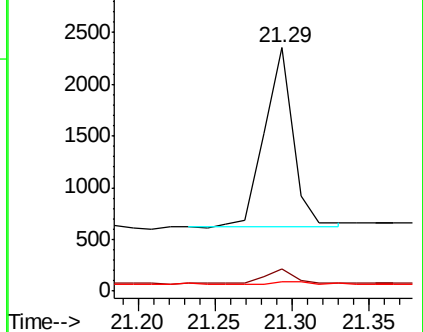
279 2.1 1.2 1.8#

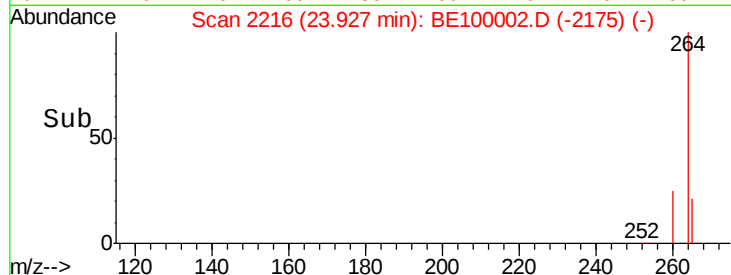
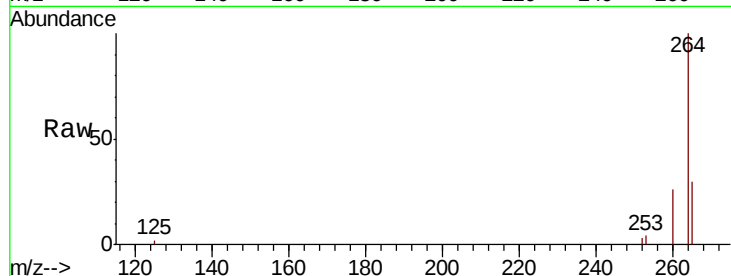
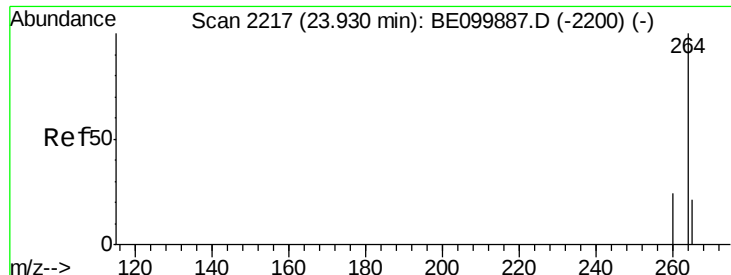


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BE100002.D

Acq: 13 Jun 2019 22:37

Instrument :

BNA\_E

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608

Tgt Ion:264 Resp: 10500

Ion Ratio Lower Upper

264 100

260 25.8 20.2 30.2

265 29.7 22.0 33.0

Abundance Ion 264.00 (263.70 to 264.70): E

5000 Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

