

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE060619\  
 Data File : BE099837.D  
 Acq On : 7 Jun 2019 00:25  
 Operator : JU/SJ  
 Sample : K3190-21  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-EB01-20190604

Quant Time: Jun 07 02:08:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE060519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 05 14:35:58 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 1090     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.62 | 136  | 3855     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 3106     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 10355    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.41 | 240  | 15425    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.95 | 264  | 17802    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.37  | 112  | 521      | 0.20 | ng    | 0.01     |
| 5) Phenol-d6                | 6.98  | 99   | 431      | 0.13 | ng    | 0.01     |
| 8) Nitrobenzene-d5          | 8.97  | 82   | 1333     | 0.39 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152  | 2391     | 0.36 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 1035     | 0.57 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 4028     | 0.35 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.25 | 212  | 60505    | 0.39 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.85 | 244  | 60705    | 2.40 | ng    | 0.00     |

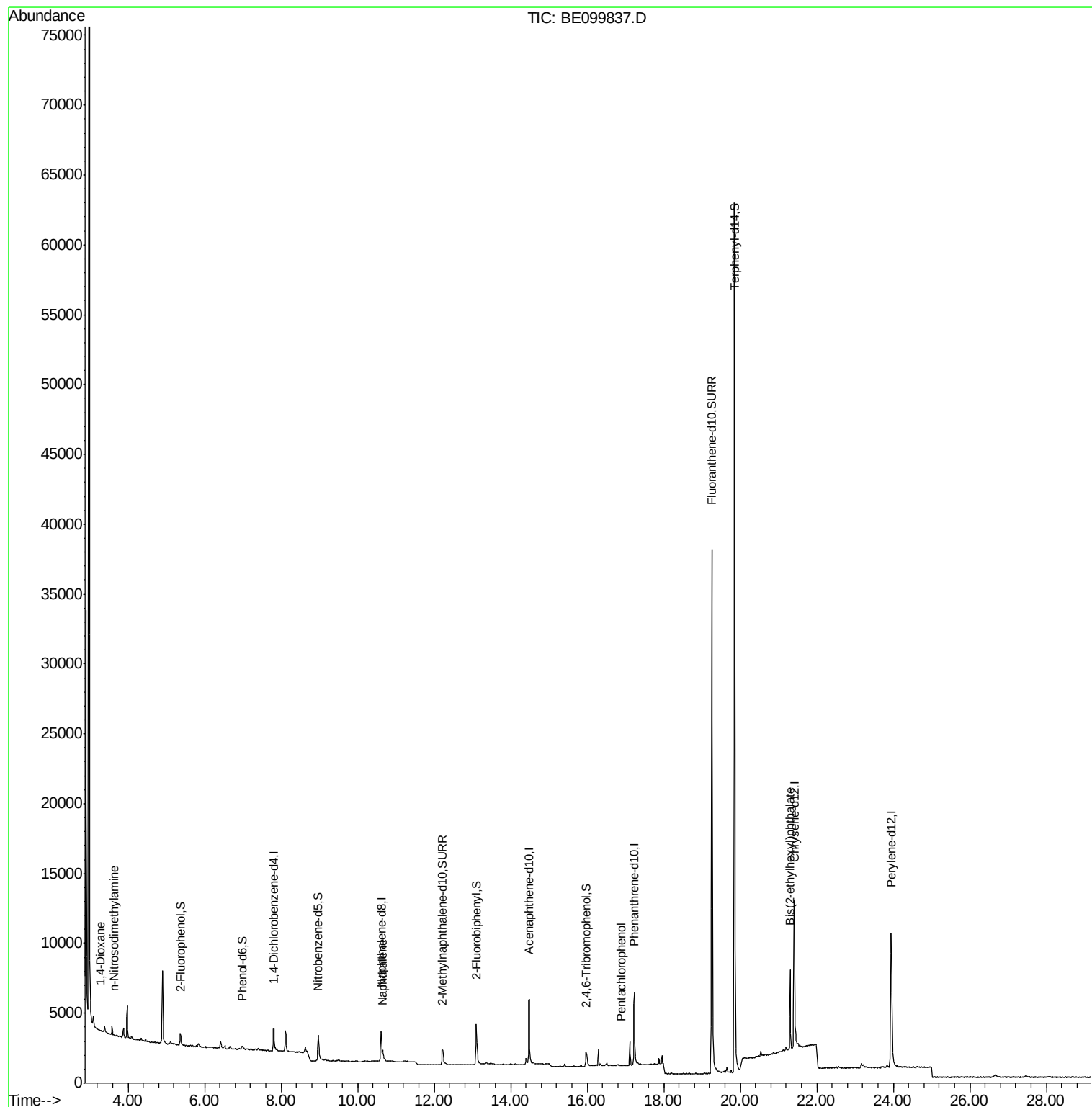
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.28  | 88   | 60       | 0.038 | ng    | # 81   |
| 3) n-Nitrosodimethylamine      | 3.62  | 42   | 19       | 0.023 | ng    | # 1    |
| 9) Naphthalene                 | 10.65 | 128  | 1403     | 0.034 | ng    | # 86   |
| 22) Pentachlorophenol          | 16.89 | 266  | 10       | 0.284 | ng    | # 85   |
| 32) Bis(2-ethylhexyl)phthalate | 21.31 | 149  | 6483     | 0.133 | ng    | # 99   |

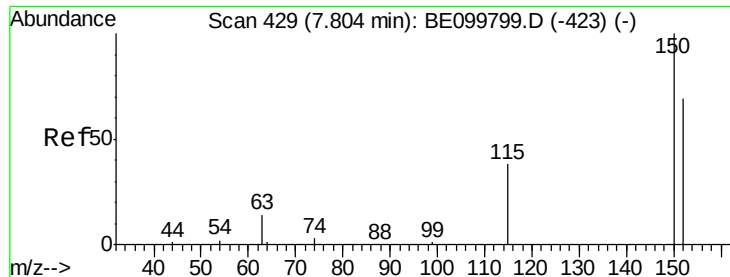
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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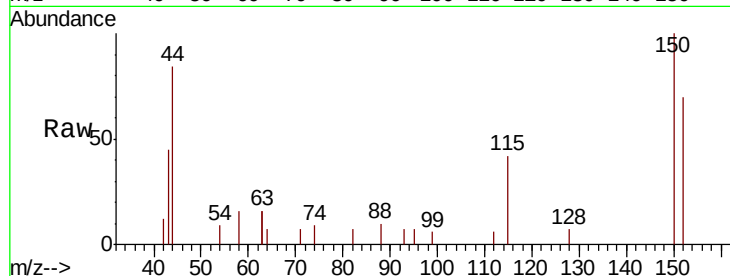


#1

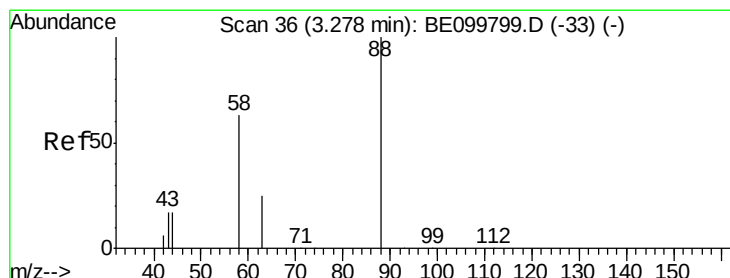
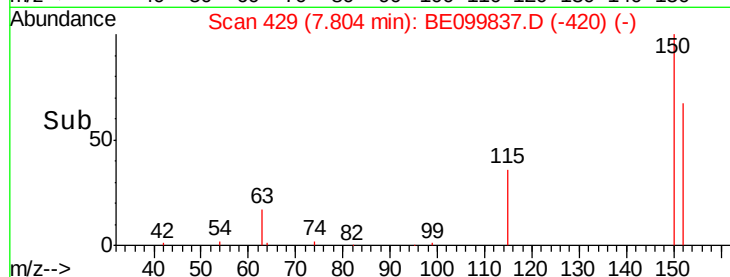
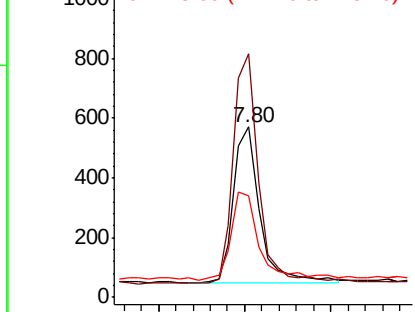
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.80 min Scan# 429  
Delta R.T. 0.00 min  
Lab File: BE099837.D  
Acq: 7 Jun 2019 00:25

Instrument :  
BNA\_E  
ClientSampleId :  
BP-EB01-20190604

Tgt Ion: 152 Resp: 1090  
Ion Ratio Lower Upper  
152 100  
150 143.0 112.8 169.2  
115 59.5 47.6 71.4



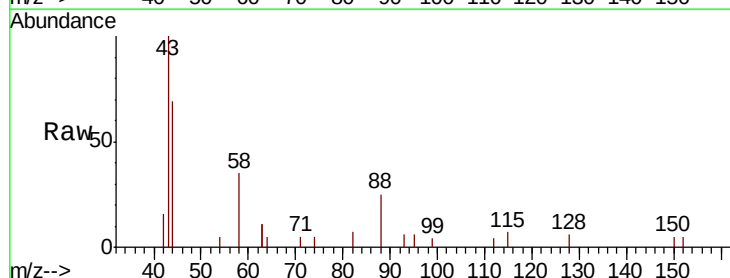
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



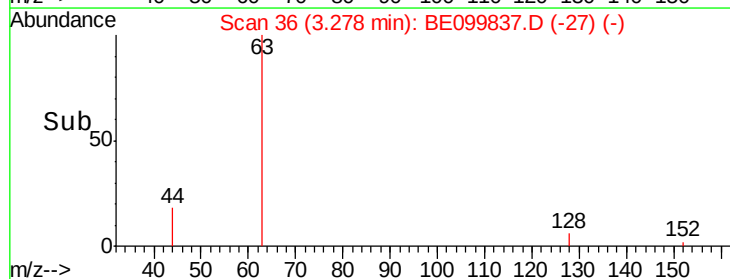
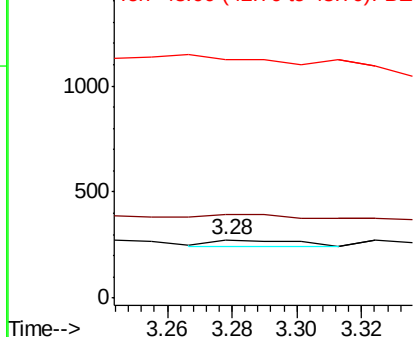
#2

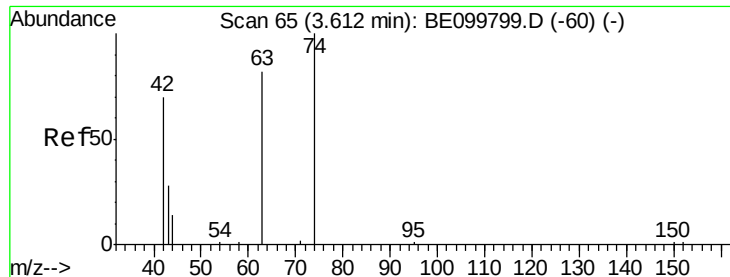
1,4-Dioxane  
Concen: 0.038 ng  
RT: 3.28 min Scan# 36  
Delta R.T. 0.00 min  
Lab File: BE099837.D  
Acq: 7 Jun 2019 00:25

Tgt Ion: 88 Resp: 60  
Ion Ratio Lower Upper  
88 100  
58 65.0 47.3 70.9  
43 0.0 18.2 27.4#



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.023 ng

RT: 3.62 min Scan# 66

Delta R.T. 0.01 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

Instrument :

BNA\_E

ClientSampleId :

BP-EB01-20190604

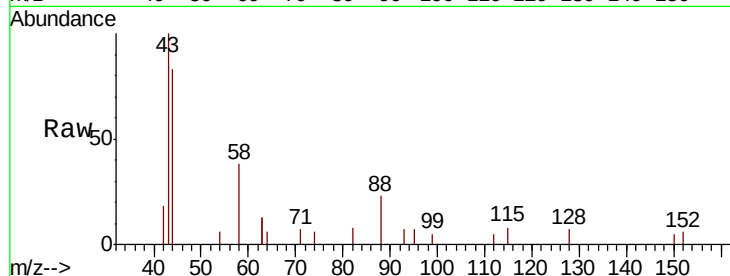
Tgt Ion: 42 Resp: 19

Ion Ratio Lower Upper

42 100

74 0.0 132.6 198.8#

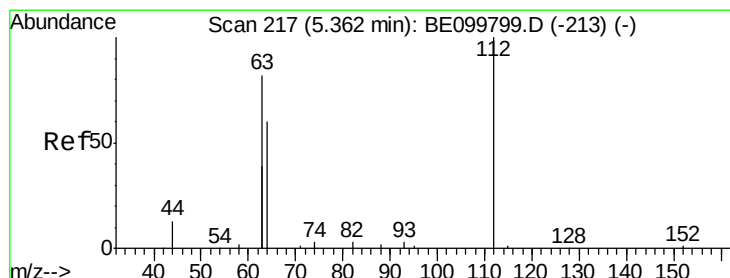
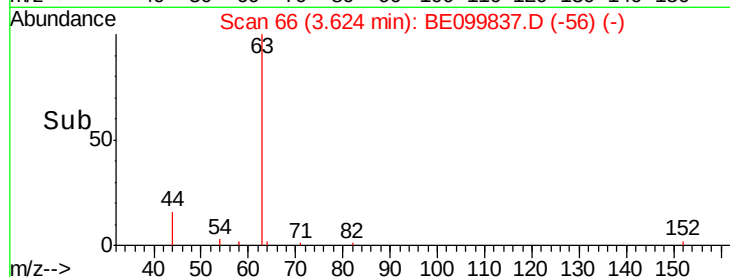
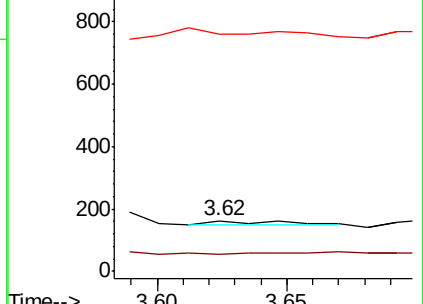
44 278.9 13.4 20.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.196 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.01 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

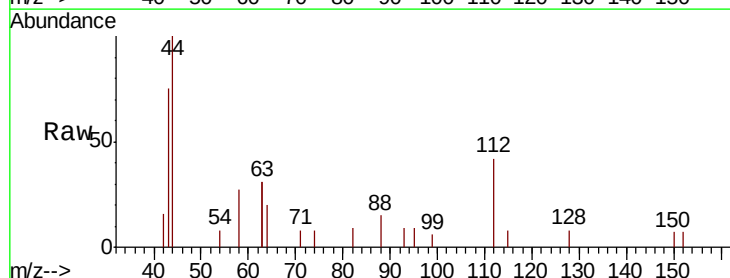
Tgt Ion: 112 Resp: 521

Ion Ratio Lower Upper

112 100

64 56.8 47.2 70.8

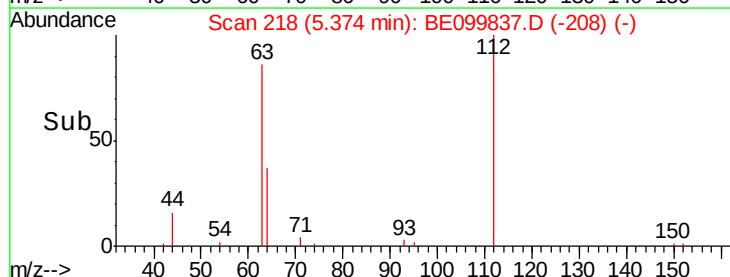
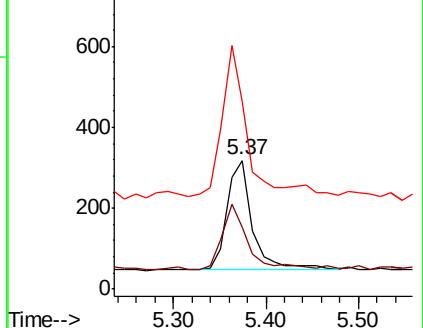
63 137.8 90.7 136.1#

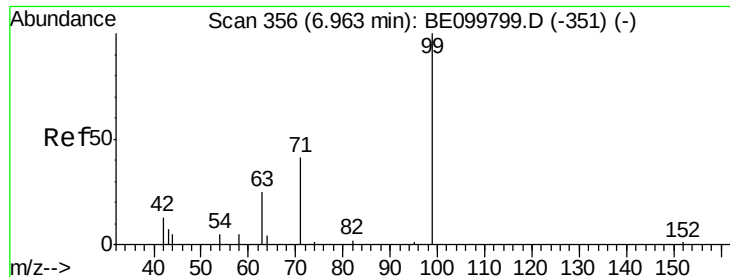


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.126 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

Instrument :

BNA\_E

ClientSampleId :

BP-EB01-20190604

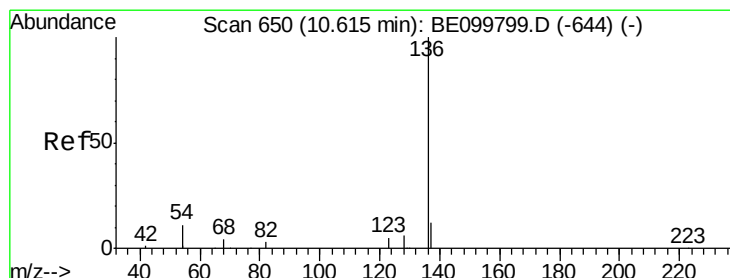
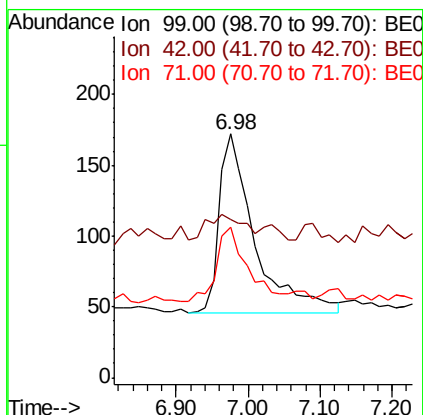
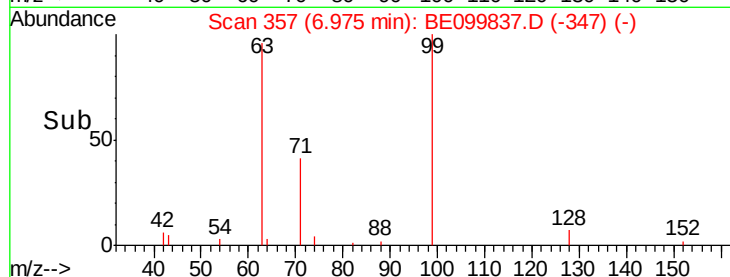
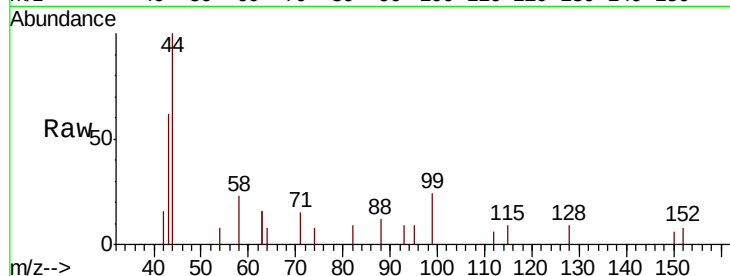
Tgt Ion: 99 Resp: 431

Ion Ratio Lower Upper

99 100

42 14.6 11.0 16.4

71 35.0 26.1 39.1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.62 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

Tgt Ion: 136 Resp: 3855

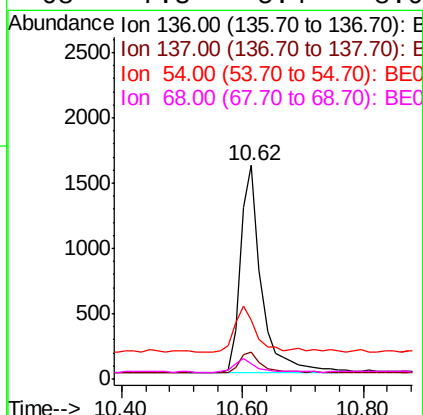
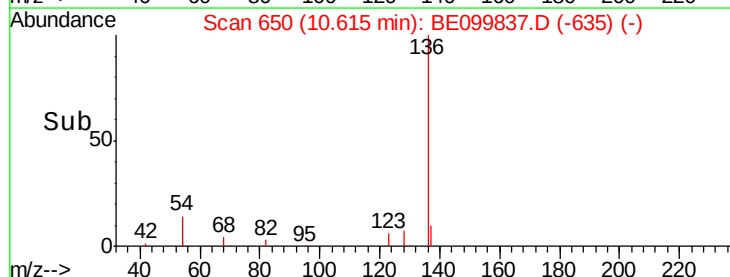
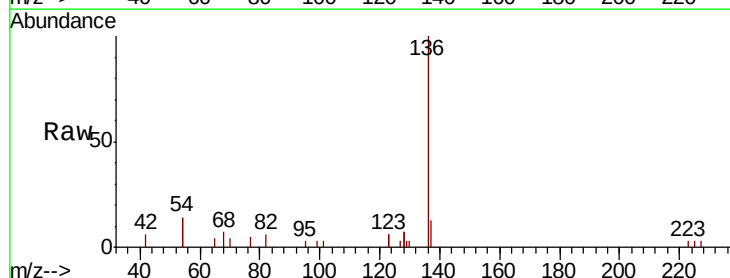
Ion Ratio Lower Upper

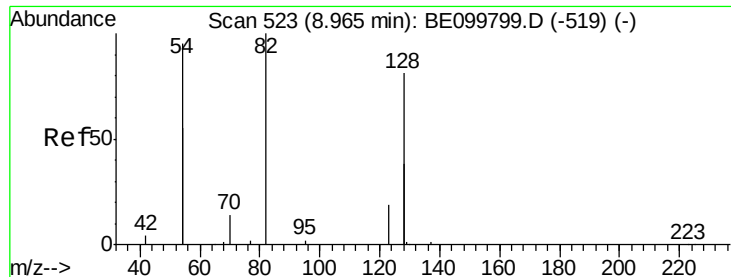
136 100

137 12.9 11.1 16.7

54 27.5 17.9 26.9#

68 7.3 5.4 8.0





#8

Nitrobenzene-d5

Concen: 0.394 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

Instrument :

BNA\_E

ClientSampleId :

BP-EB01-20190604

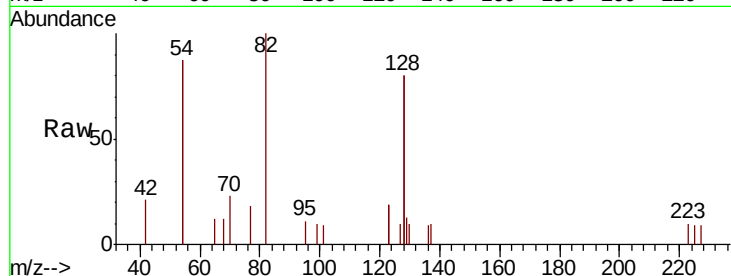
Tgt Ion: 82 Resp: 1333

Ion Ratio Lower Upper

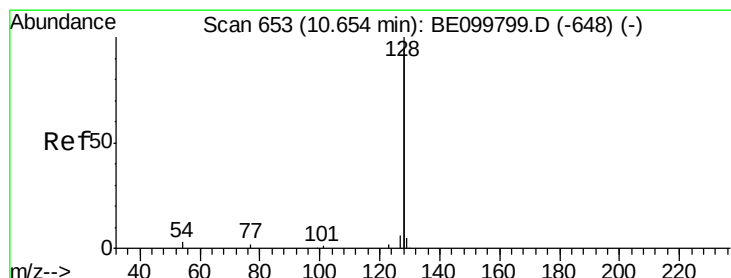
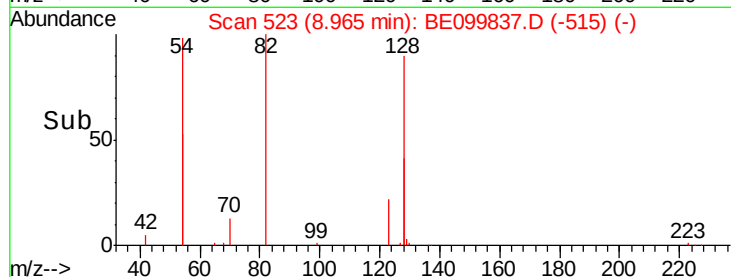
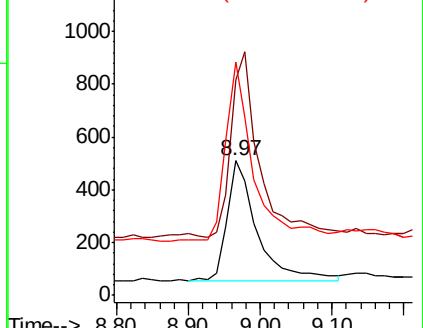
82 100

128 160.2 116.6 175.0

54 174.4 136.2 204.4



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



#9

Naphthalene

Concen: 0.034 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

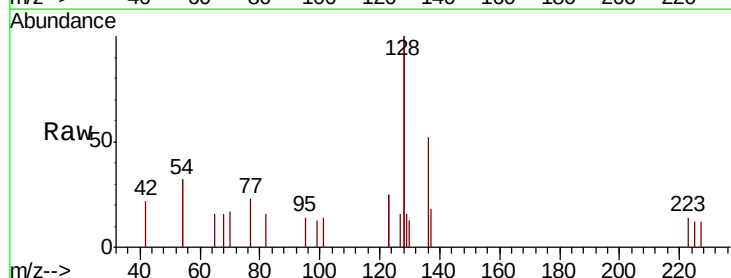
Tgt Ion: 128 Resp: 1403

Ion Ratio Lower Upper

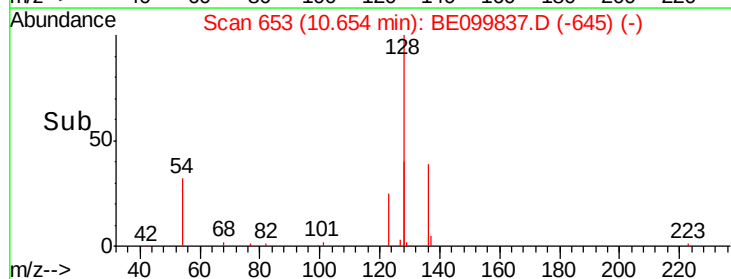
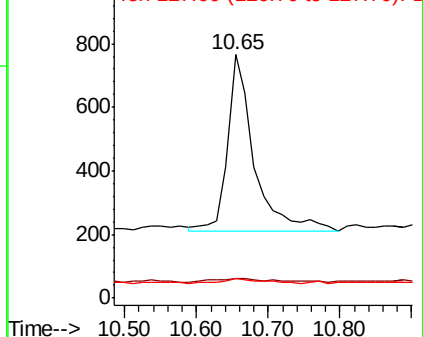
128 100

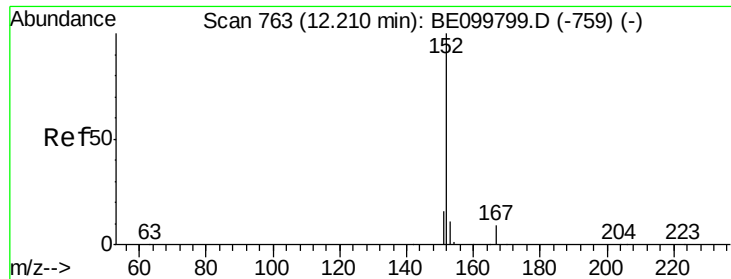
129 8.2 2.6 4.0#

127 8.1 3.0 4.6#



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





#11

2-Methylnaphthalene-d10

Concen: 0.361 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

Instrument :

BNA\_E

ClientSampleId :

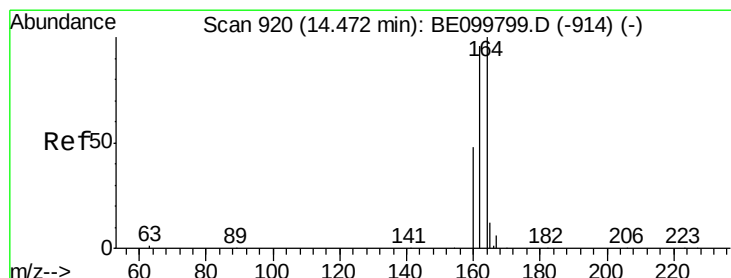
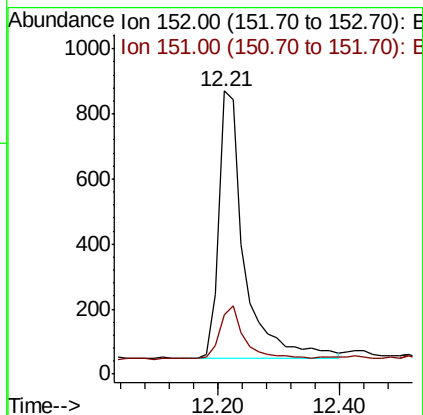
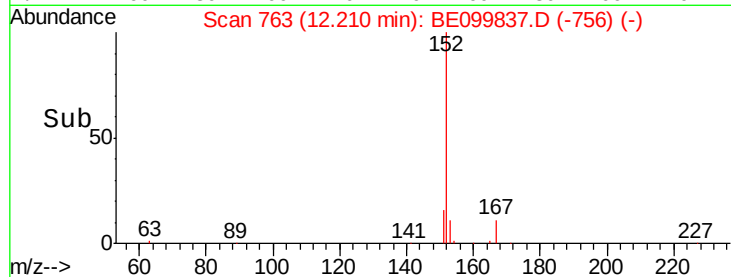
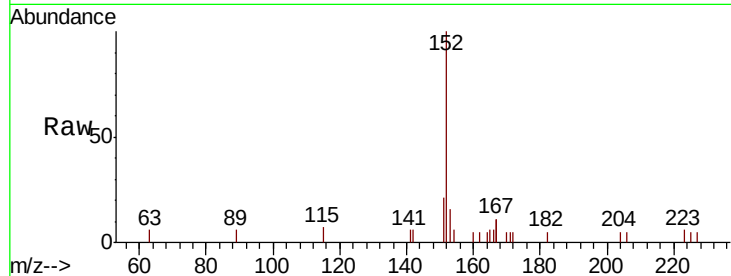
BP-EB01-20190604

Tgt Ion:152 Resp: 2391

Ion Ratio Lower Upper

152 100

151 18.9 15.8 23.8



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

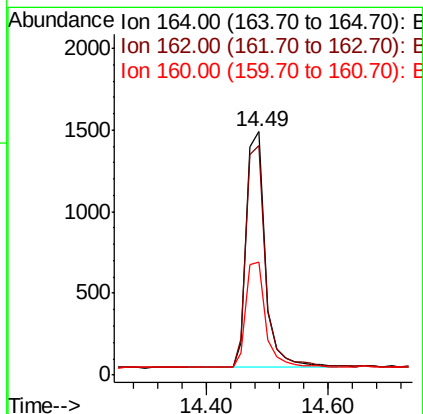
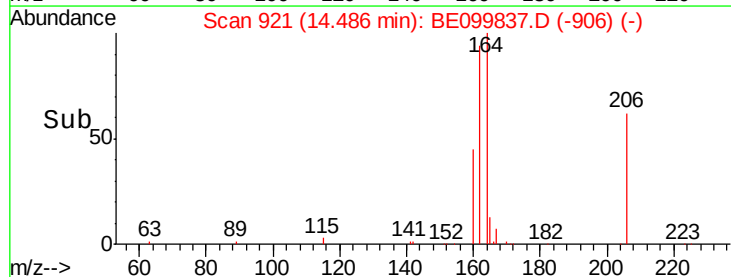
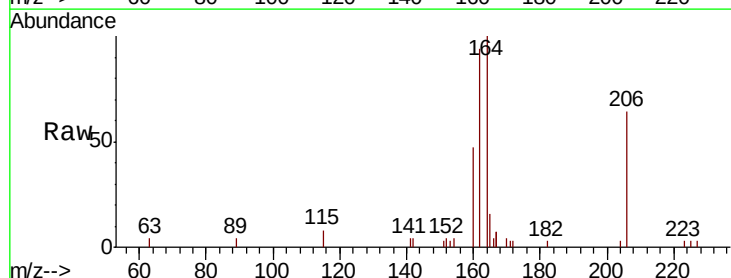
Tgt Ion:164 Resp: 3106

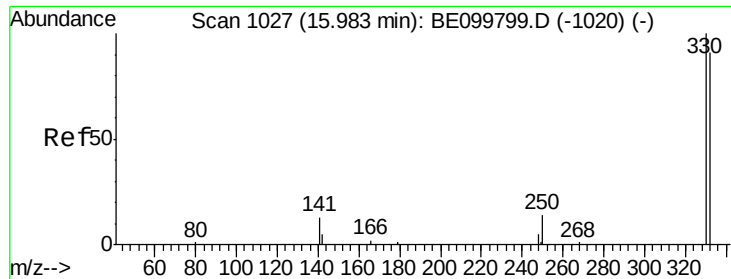
Ion Ratio Lower Upper

164 100

162 94.2 77.2 115.8

160 46.6 39.4 59.2

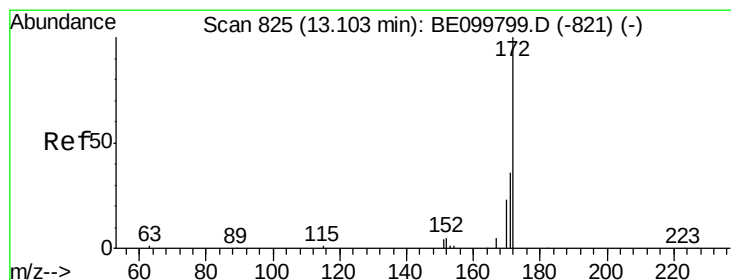
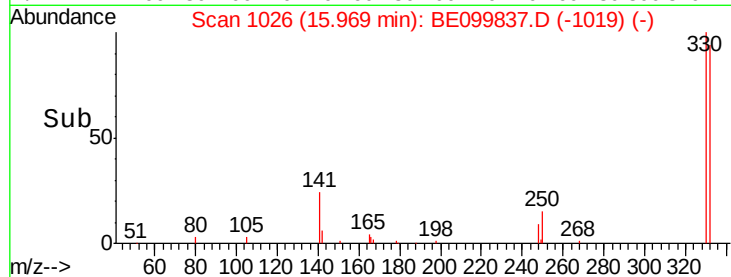
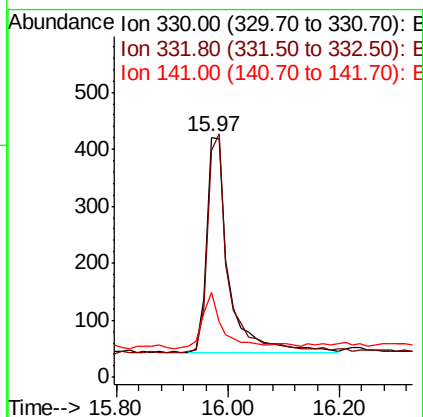
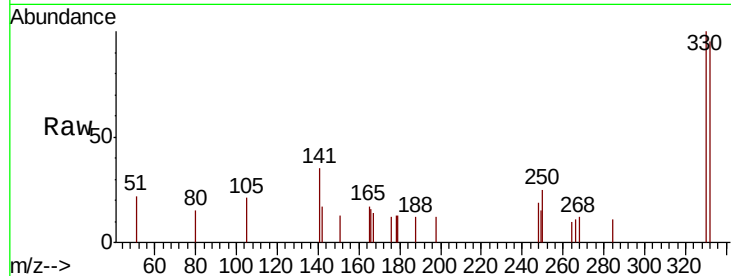




#14  
 2,4,6-Tribromophenol  
 Concen: 0.566 ng  
 RT: 15.97 min Scan# 1026  
 Delta R.T. -0.01 min  
 Lab File: BE099837.D  
 Acq: 7 Jun 2019 00:25

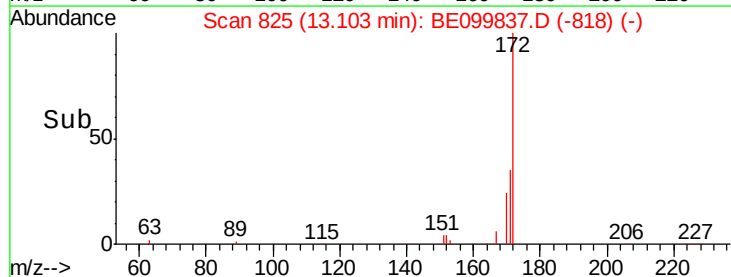
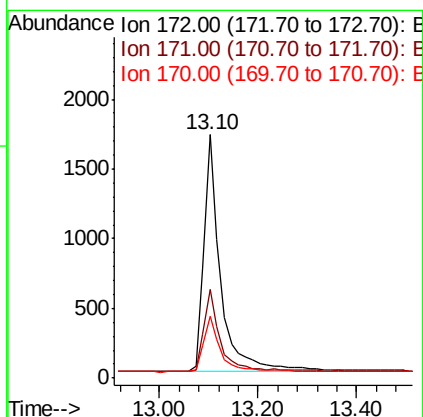
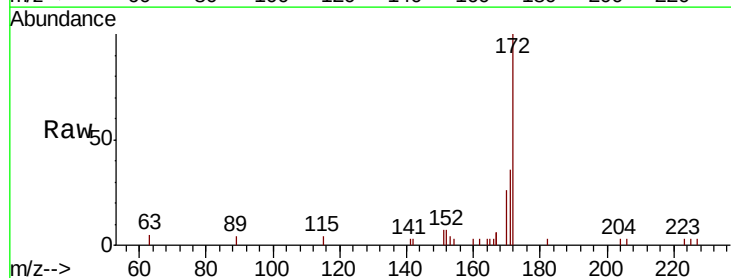
Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-EB01-20190604

Tgt Ion:330 Resp: 1035  
 Ion Ratio Lower Upper  
 330 100  
 332 93.6 74.9 112.3  
 141 19.6 16.0 24.0

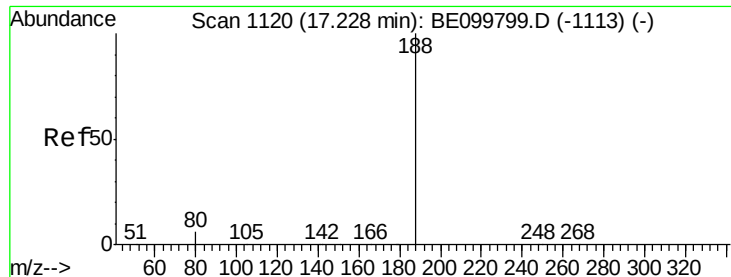


#15  
 2-Fluorobiphenyl  
 Concen: 0.349 ng  
 RT: 13.10 min Scan# 825  
 Delta R.T. -0.00 min  
 Lab File: BE099837.D  
 Acq: 7 Jun 2019 00:25

Tgt Ion:172 Resp: 4028  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 30.2 45.4  
 170 25.6 20.1 30.1







#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

Instrument :

BNA\_E

ClientSampleId :

BP-EB01-20190604

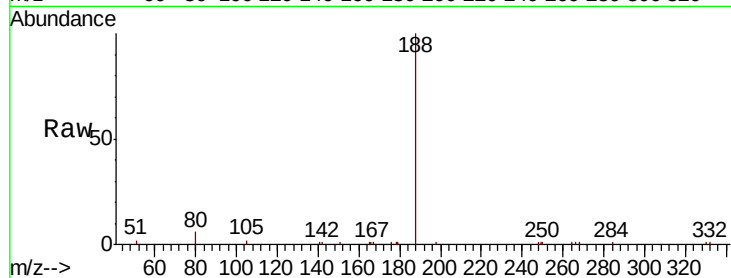
Tgt Ion:188 Resp: 10355

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

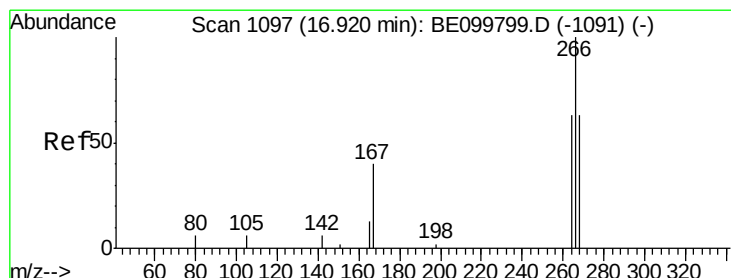
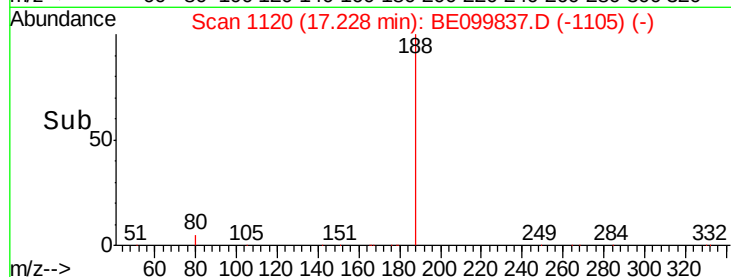
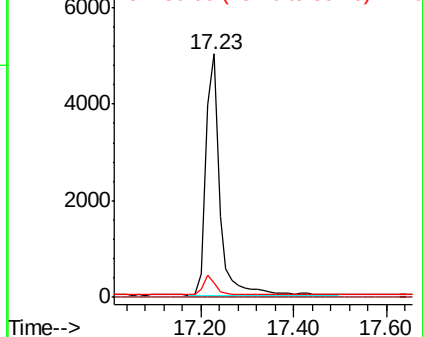
80 6.1 5.2 7.8



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



#22

Pentachlorophenol

Concen: 0.284 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.03 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

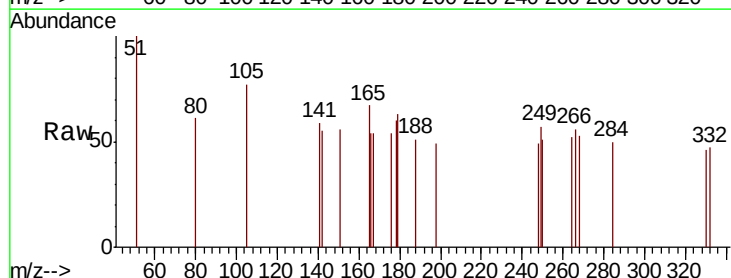
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 92.6 64.9 97.3

268 94.4 64.0 96.0

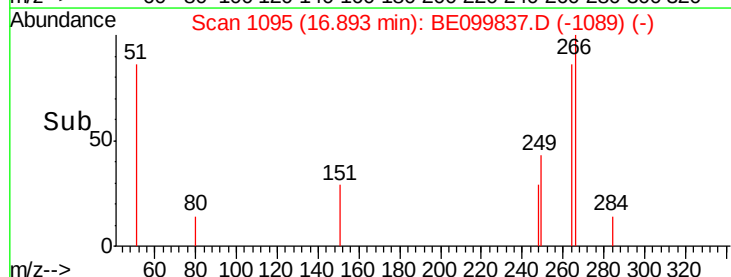
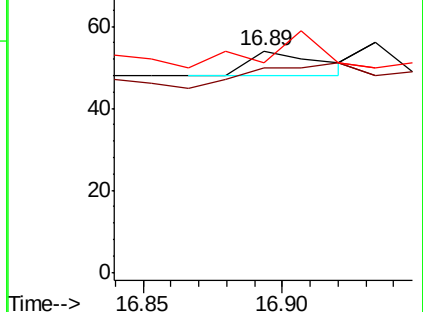


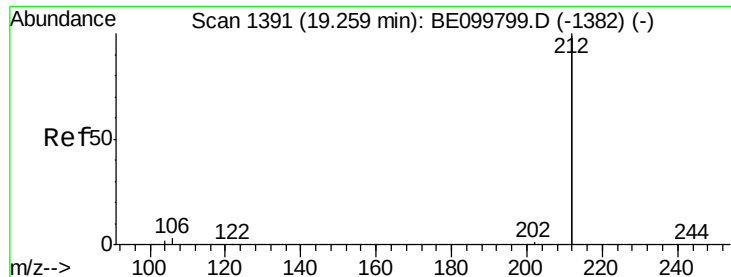
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 80.00 (79.70 to 80.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.393 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

Instrument :

BNA\_E

ClientSampleId :

BP-EB01-20190604

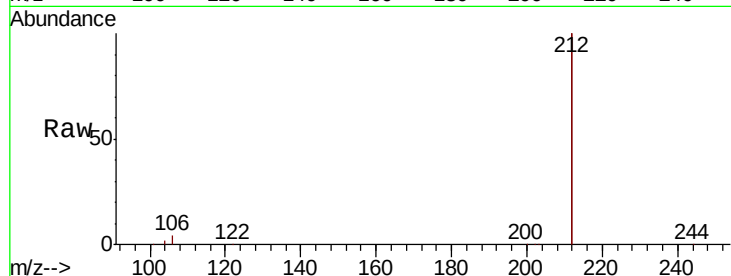
Tgt Ion:212 Resp: 60505

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.0

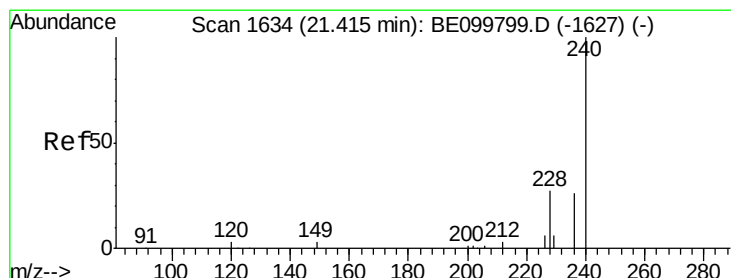
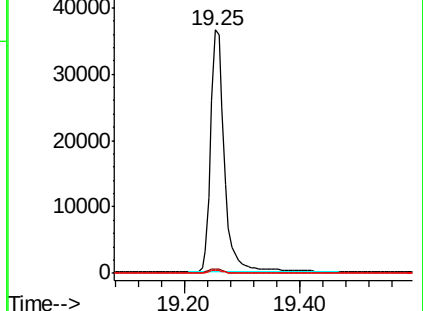
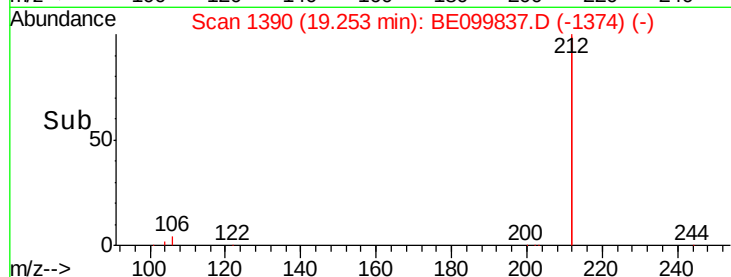
104 1.1 0.8 1.2



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: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

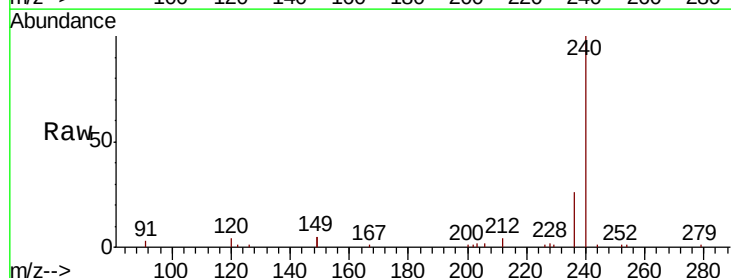
Tgt Ion:240 Resp: 15425

Ion Ratio Lower Upper

240 100

120 4.1 2.8 4.2

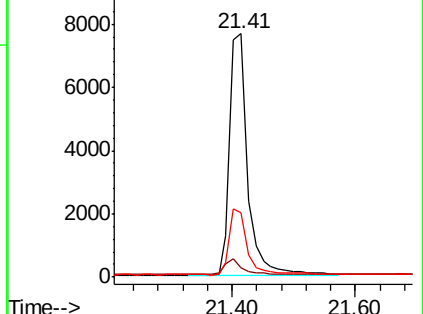
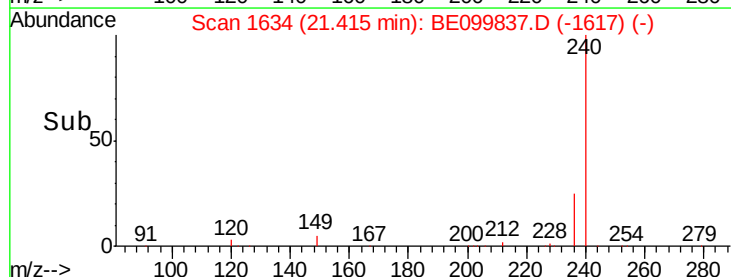
236 26.2 20.9 31.3

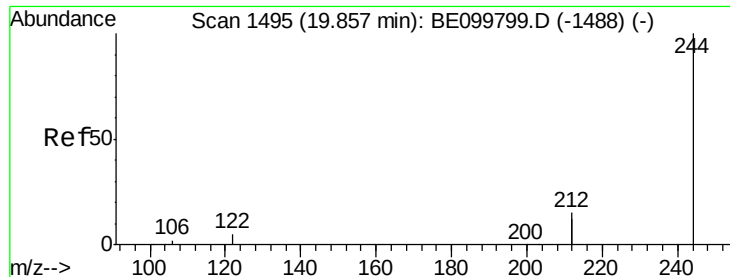


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 2.400 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.01 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

Instrument :

BNA\_E

ClientSampleId :

BP-EB01-20190604

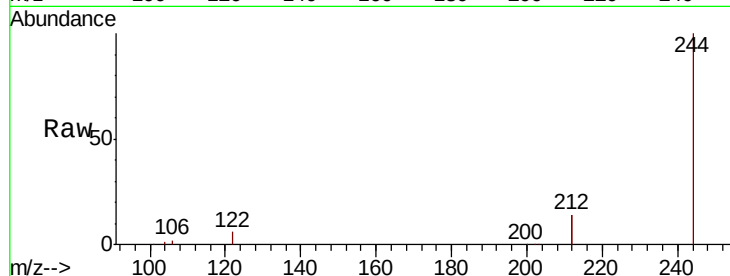
Tgt Ion:244 Resp: 60705

Ion Ratio Lower Upper

244 100

212 27.6 23.7 35.5

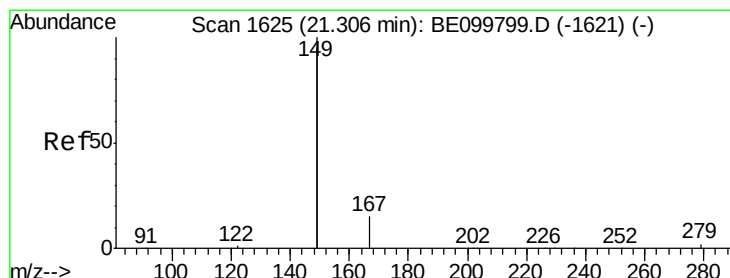
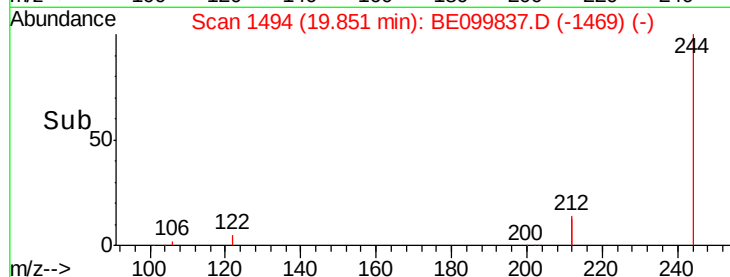
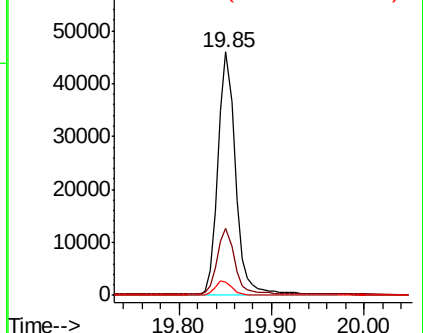
122 5.6 4.8 7.2



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: 0.133 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

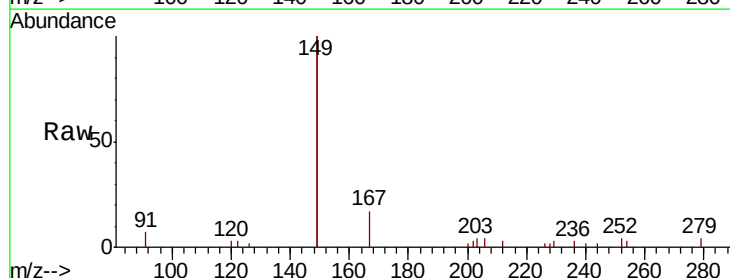
Tgt Ion:149 Resp: 6483

Ion Ratio Lower Upper

149 100

167 8.0 6.0 9.0

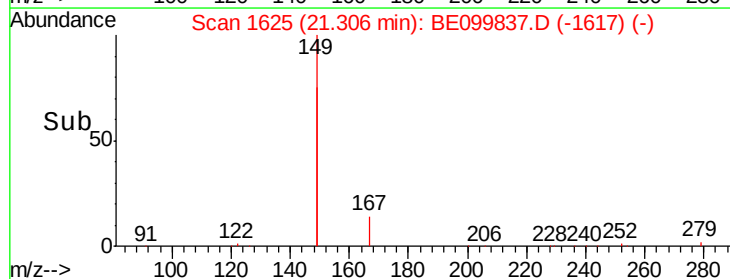
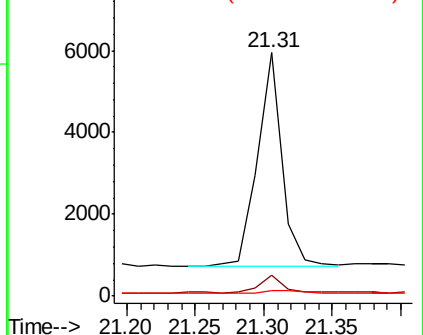
279 1.9 1.2 1.8#

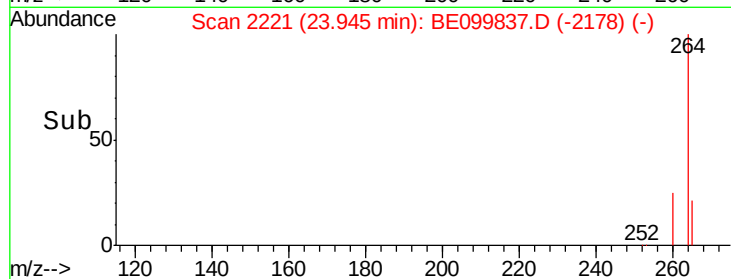
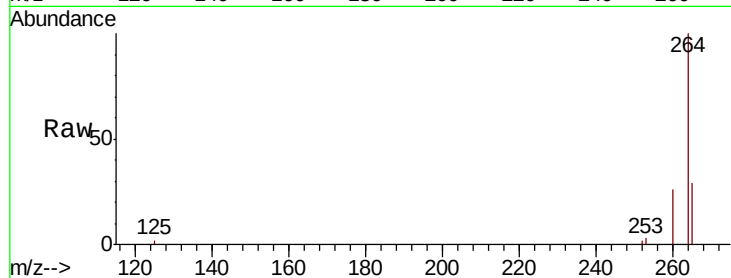
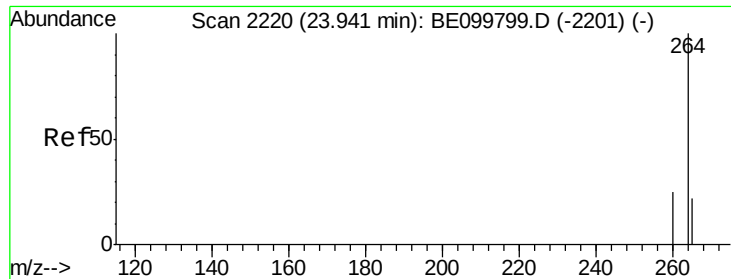


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.95 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BE099837.D

Acq: 7 Jun 2019 00:25

Instrument :

BNA\_E

ClientSampleId :

BP-EB01-20190604

Tgt Ion: 264 Resp: 17802

Ion Ratio Lower Upper

264 100

260 25.6 20.0 30.0

265 28.7 20.7 31.1

