

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060719\  
 Data File : BE099881.D  
 Acq On : 8 Jun 2019 11:33  
 Operator : JU/SJ  
 Sample : K3249-09  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-DUP03-20190606

Quant Time: Jun 08 16:54:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 07 15:25:21 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 783      | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.61 | 136  | 2716     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 2076     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.21 | 188  | 6036     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.40 | 240  | 9849     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.93 | 264  | 11442    | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.36  | 112  | 384      | 0.15 | ng    | 0.00     |
| 5) Phenol-d6                | 6.96  | 99   | 280      | 0.09 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.98  | 82   | 1086     | 0.40 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152  | 1767     | 0.36 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 504      | 0.25 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 3413     | 0.45 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.25 | 212  | 35700    | 0.38 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.85 | 244  | 9549     | 0.52 | ng    | -0.01    |

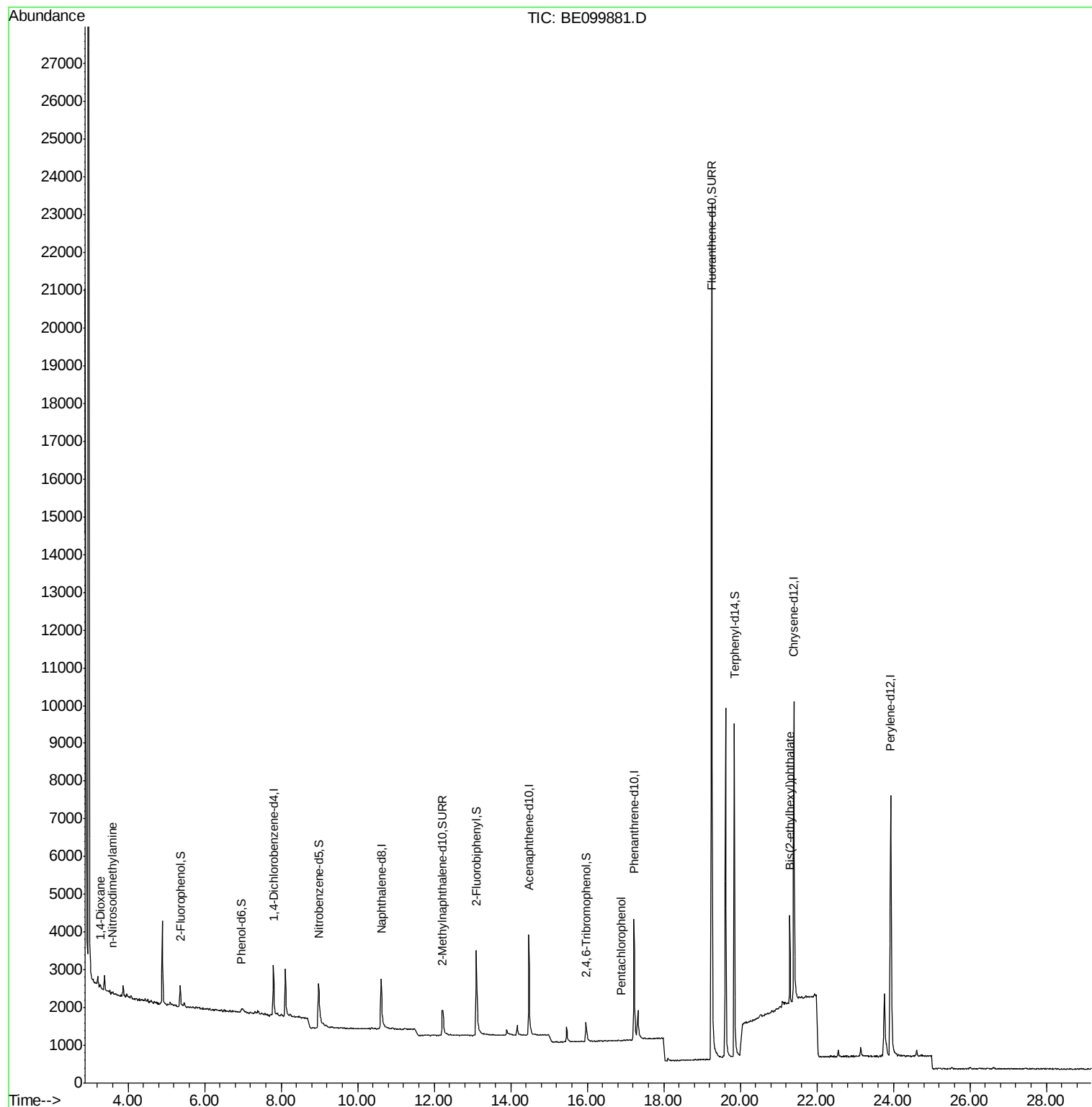
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.27  | 88   | 54       | 0.028 | ng    | # 56   |
| 3) n-Nitrosodimethylamine      | 3.59  | 42   | 40       | 0.054 | ng    | # 1    |
| 22) Pentachlorophenol          | 16.88 | 266  | 10       | 0.236 | ng    | 85     |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 2632     | 0.052 | ng    | # 99   |

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

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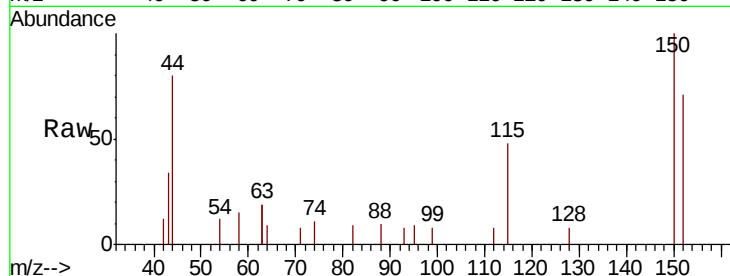


#1

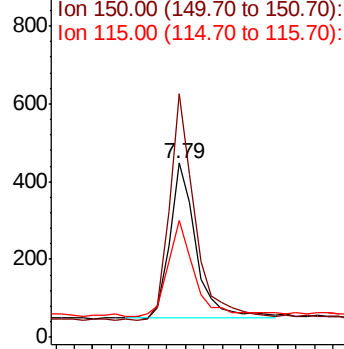
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.79 min Scan# 428  
Delta R.T. -0.01 min  
Lab File: BE099881.D  
Acq: 8 Jun 2019 11:33

Instrument :  
BNA\_E  
ClientSampleId :  
BP-DUP03-20190606

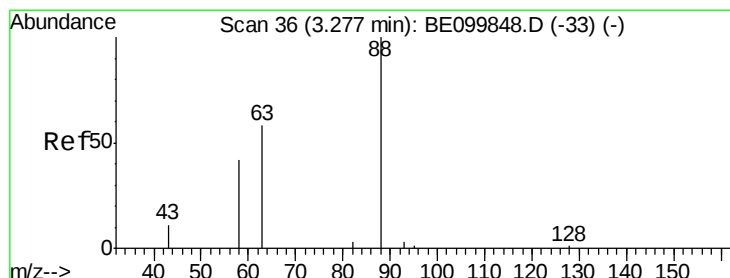
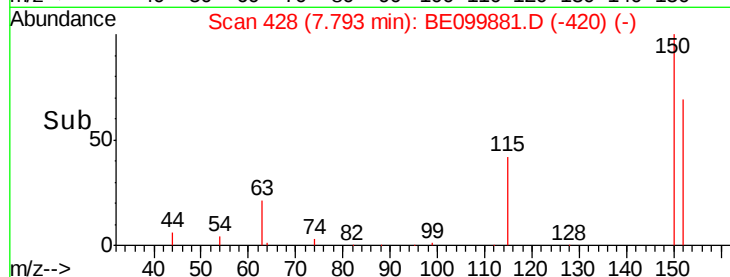
Tot Ion:152 Resp: 783  
Ion Ratio Lower Upper  
152 100  
150 140.0 112.8 169.2  
115 67.1 47.6 71.4



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



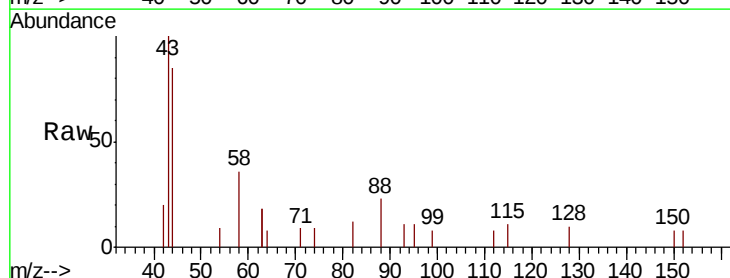
Time-->



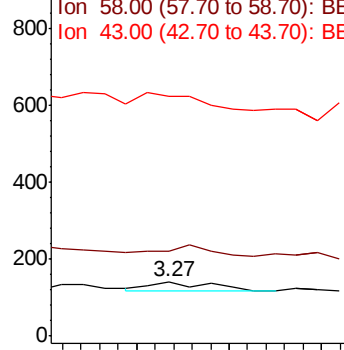
#2

1,4-Dioxane  
Concen: 0.028 ng  
RT: 3.27 min Scan# 35  
Delta R.T. -0.01 min  
Lab File: BE099881.D  
Acq: 8 Jun 2019 11:33

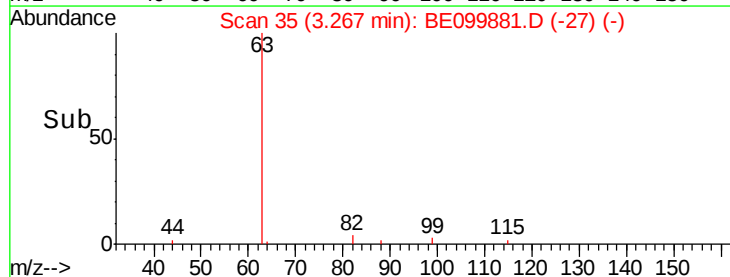
Tgt Ion: 88 Resp: 54  
Ion Ratio Lower Upper  
88 100  
58 90.7 47.3 70.9#  
43 0.0 18.2 27.4#



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



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.054 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.02 min

Lab File: BE099881.D

Acq: 8 Jun 2019 11:33

Instrument :

BNA\_E

ClientSampleId :

BP-DUP03-20190606

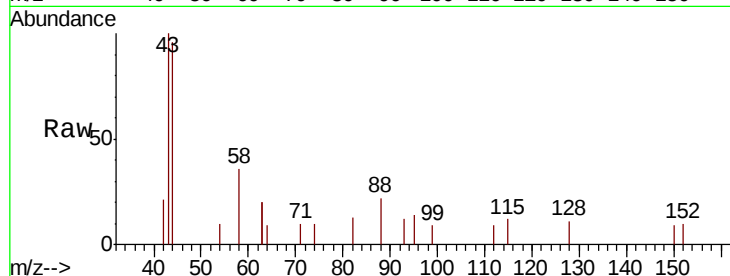
Tot Ion: 42 Resp: 40

Ion Ratio Lower Upper

42 100

74 20.0 132.6 198.8#

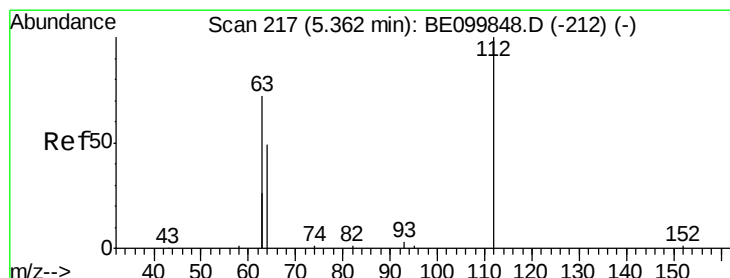
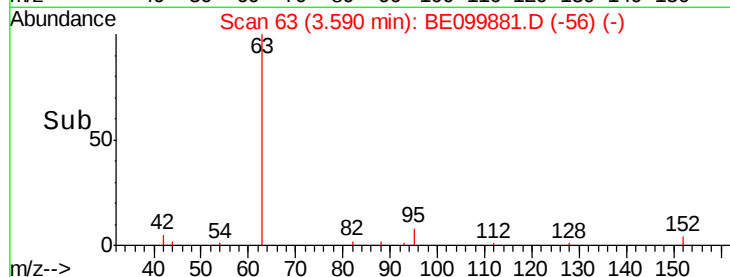
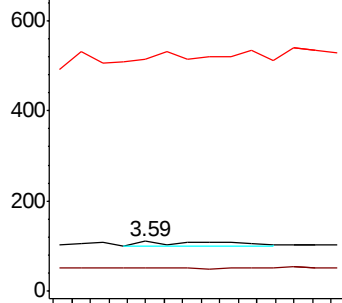
44 52.5 13.4 20.0#



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: 0.146 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.00 min

Lab File: BE099881.D

Acq: 8 Jun 2019 11:33

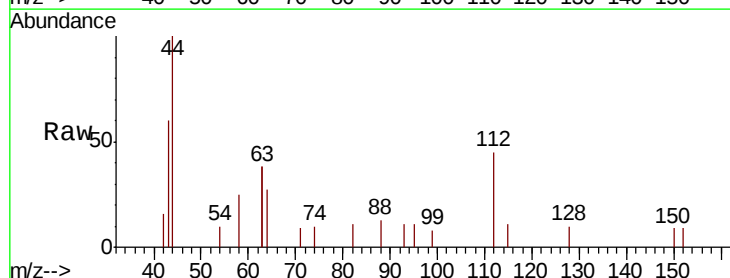
Tgt Ion: 112 Resp: 384

Ion Ratio Lower Upper

112 100

64 58.1 47.2 70.8

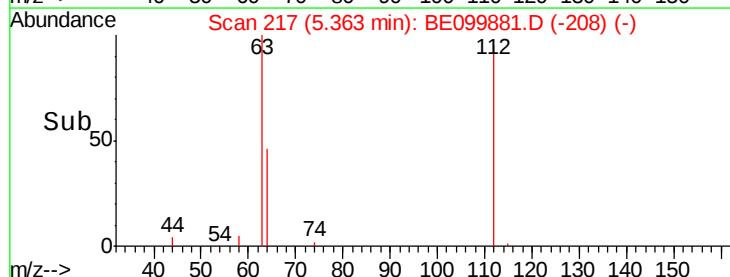
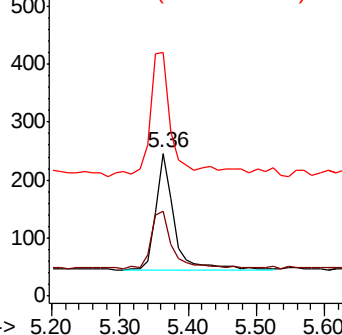
63 116.1 90.7 136.1

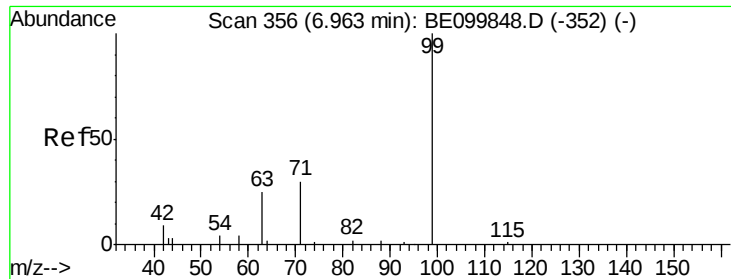


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.087 ng

RT: 6.96 min Scan# 356

Delta R.T. 0.00 min

Lab File: BE099881.D

Acq: 8 Jun 2019 11:33

Instrument :

BNA\_E

ClientSampleId :

BP-DUP03-20190606

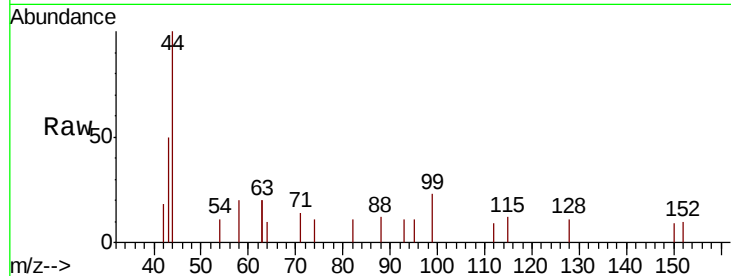
Tot Ion: 99 Resp: 280

Ion Ratio Lower Upper

99 100

42 0.0 11.0 16.4#

71 0.0 26.1 39.1#



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

6.96

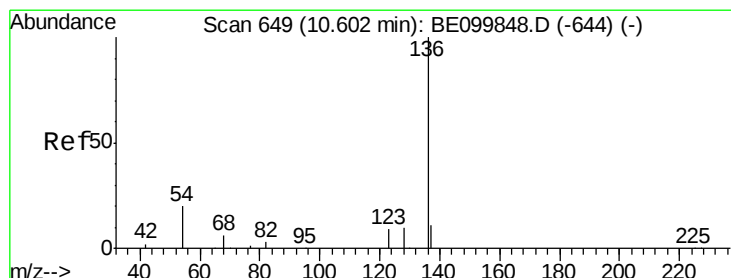
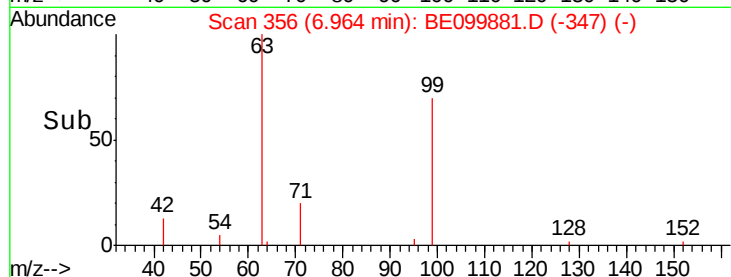
100

50

0

6.90 7.00 7.10

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099881.D

Acq: 8 Jun 2019 11:33

Tgt Ion: 136 Resp: 2716

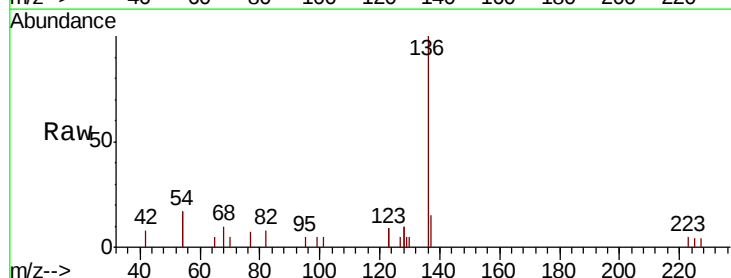
Ion Ratio Lower Upper

136 100

137 14.8 11.1 16.7

54 34.3 17.9 26.9#

68 9.8 5.4 8.0#



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

10.61

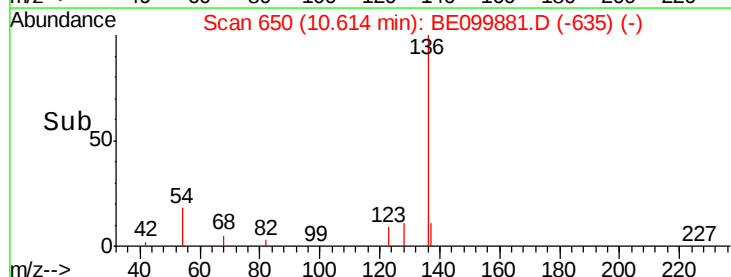
1000

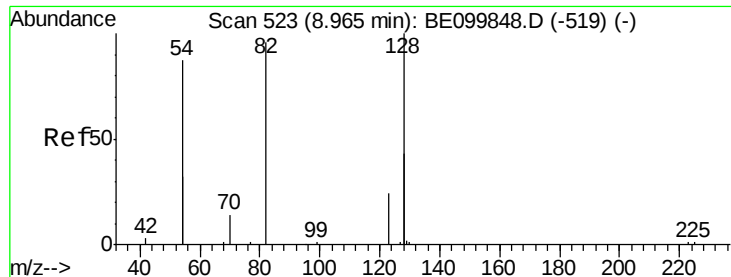
500

0

10.50 10.60 10.70 10.80

Time-->





#8

Nitrobenzene-d5

Concen: 0.396 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099881.D

Acq: 8 Jun 2019 11:33

Instrument :

BNA\_E

ClientSampleId :

BP-DUP03-20190606

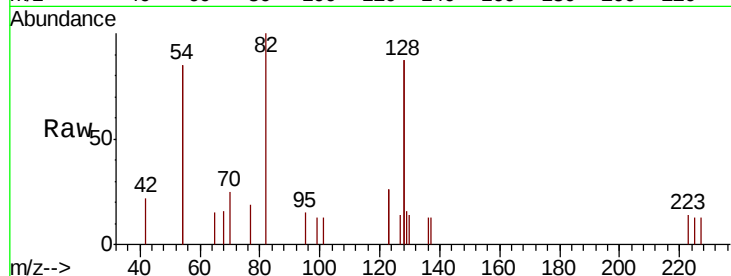
Tot Ion: 82 Resp: 1086

Ion Ratio Lower Upper

82 100

128 174.8 116.6 175.0

54 170.3 136.2 204.4



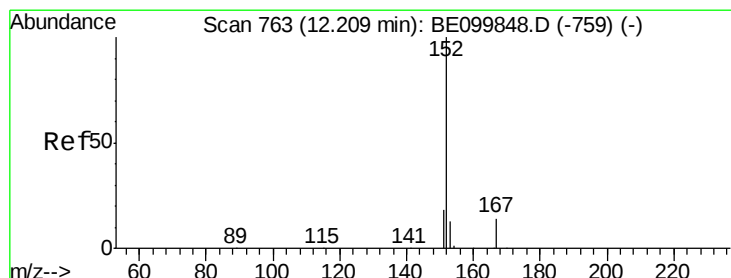
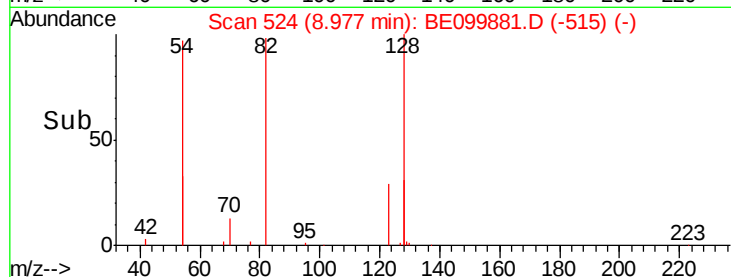
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

8.98

Time--> 8.80 8.90 9.00 9.10



#11

2-Methylnaphthalene-d10

Concen: 0.360 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE099881.D

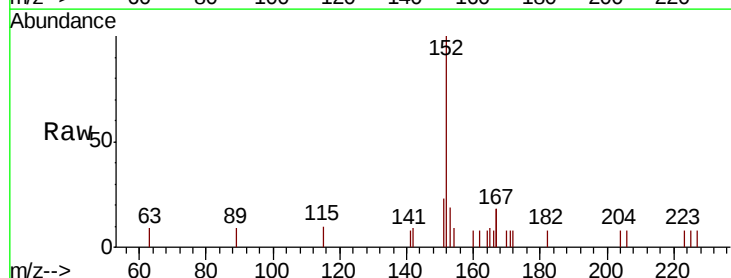
Acq: 8 Jun 2019 11:33

Tgt Ion: 152 Resp: 1767

Ion Ratio Lower Upper

152 100

151 19.3 15.8 23.8

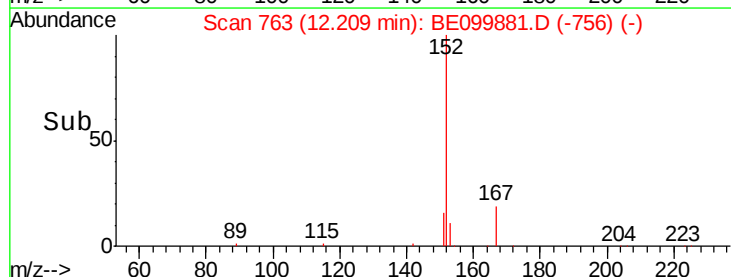


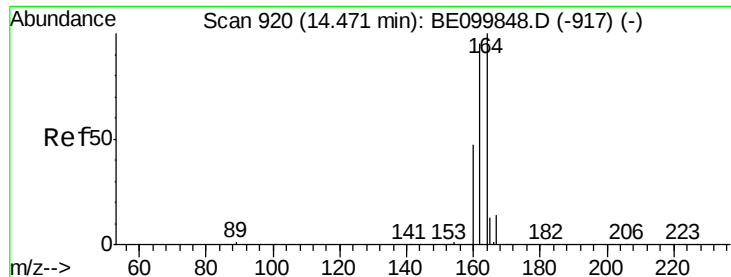
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

Time--> 12.00 12.20 12.40

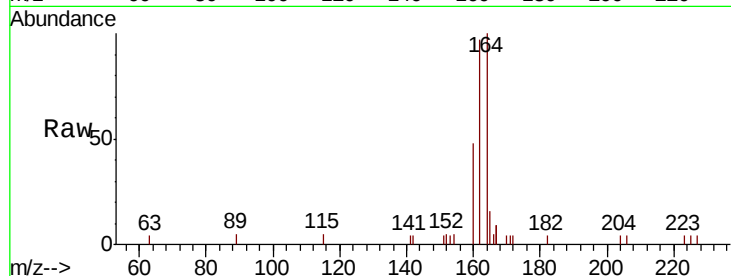




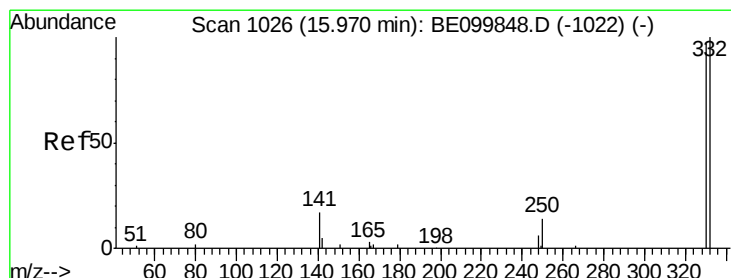
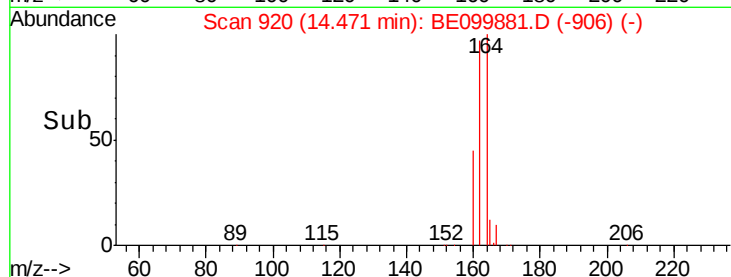
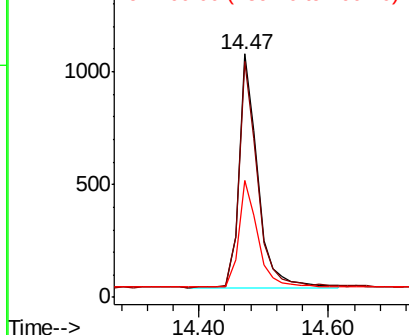
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: BE099881.D  
Acq: 8 Jun 2019 11:33

Instrument :  
BNA\_E  
ClientSampleId :  
BP-DUP03-20190606

Tot Ion:164 Resp: 2076  
Ion Ratio Lower Upper  
164 100  
162 96.8 77.2 115.8  
160 47.8 39.4 59.2

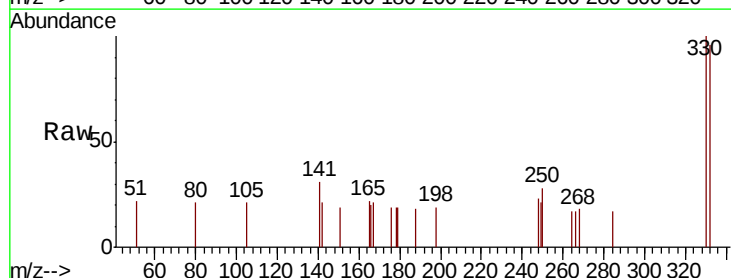


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

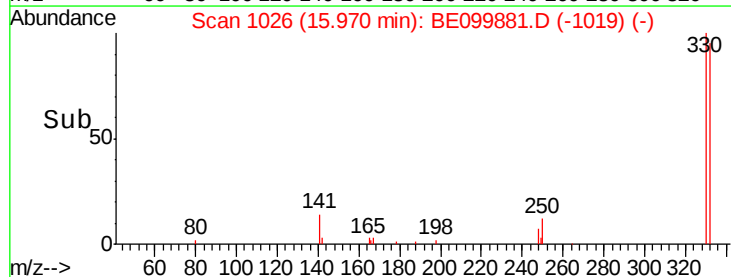
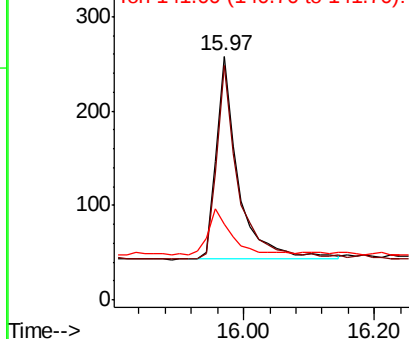


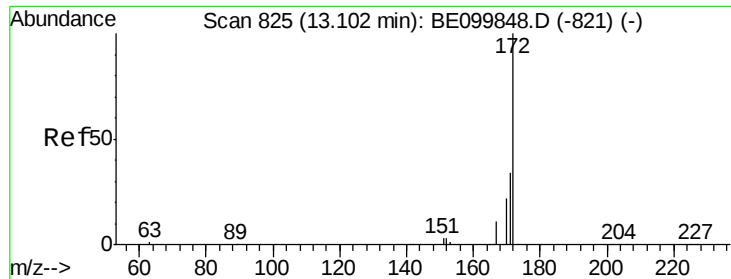
#14  
2,4,6-Tribromophenol  
Concen: 0.245 ng  
RT: 15.97 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BE099881.D  
Acq: 8 Jun 2019 11:33

Tgt Ion:330 Resp: 504  
Ion Ratio Lower Upper  
330 100  
332 94.8 74.9 112.3  
141 24.2 16.0 24.0#



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

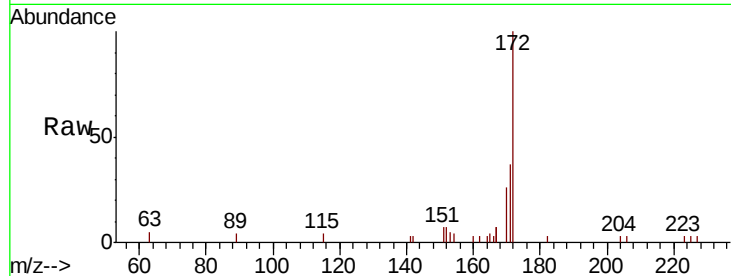




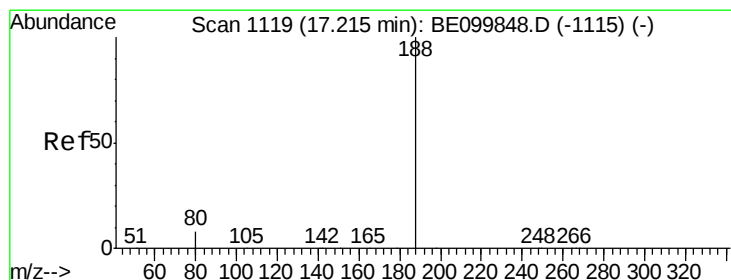
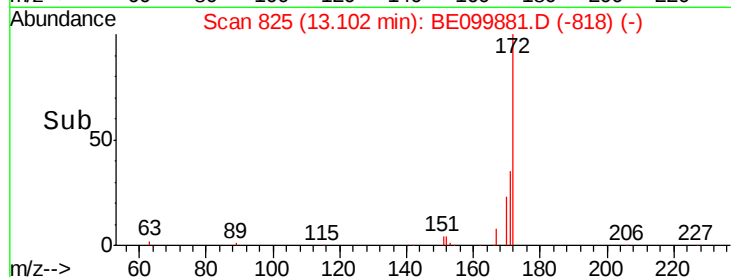
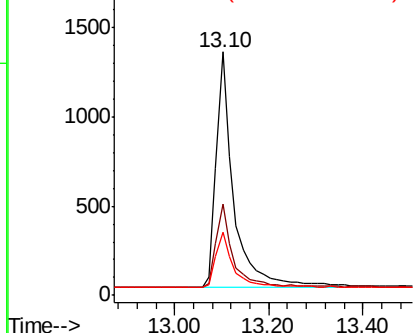
#15  
2-Fluorobiphenyl  
Concen: 0.455 ng  
RT: 13.10 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: BE099881.D  
Acq: 8 Jun 2019 11:33

Instrument :  
BNA\_E  
ClientSampleId :  
BP-DUP03-20190606

Tot Ion:172 Resp: 3413  
Ion Ratio Lower Upper  
172 100  
171 37.3 30.2 45.4  
170 25.9 20.1 30.1

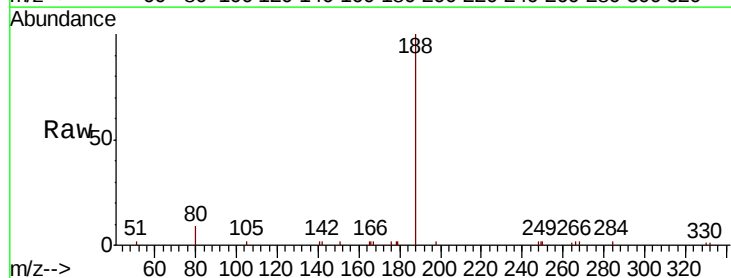


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

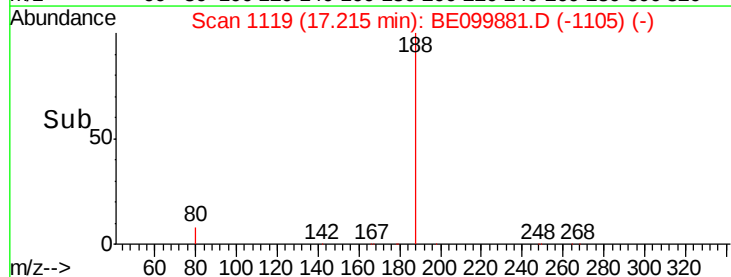
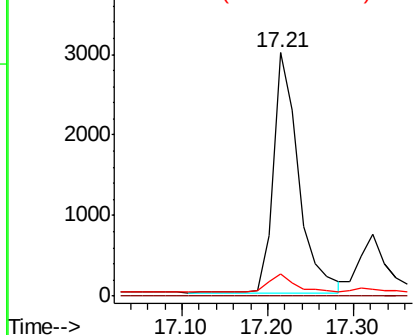


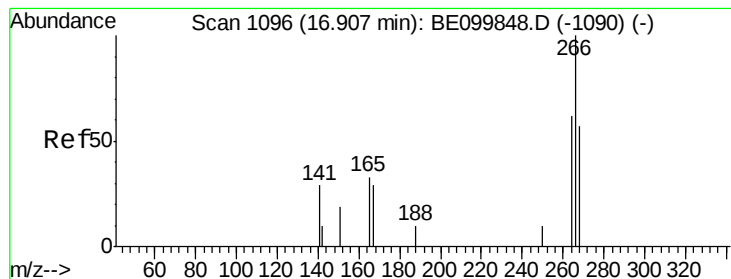
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.21 min Scan# 1119  
Delta R.T. -0.01 min  
Lab File: BE099881.D  
Acq: 8 Jun 2019 11:33

Tgt Ion:188 Resp: 6036  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.2 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: 0.236 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.04 min

Lab File: BE099881.D

Acq: 8 Jun 2019 11:33

Instrument :

BNA\_E

ClientSampleId :

BP-DUP03-20190606

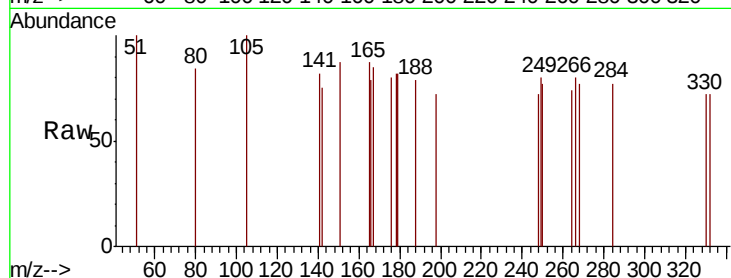
Tot Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 91.8 64.9 97.3

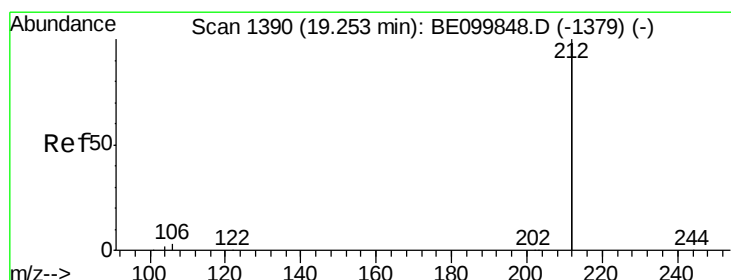
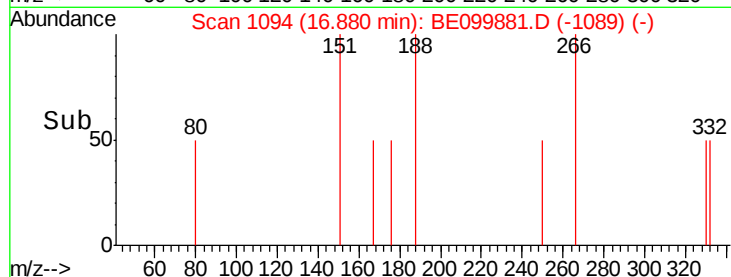
268 95.9 64.0 96.0



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: 0.382 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099881.D

Acq: 8 Jun 2019 11:33

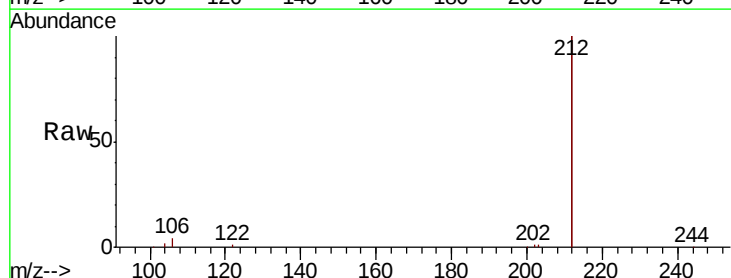
Tgt Ion:212 Resp: 35700

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.0

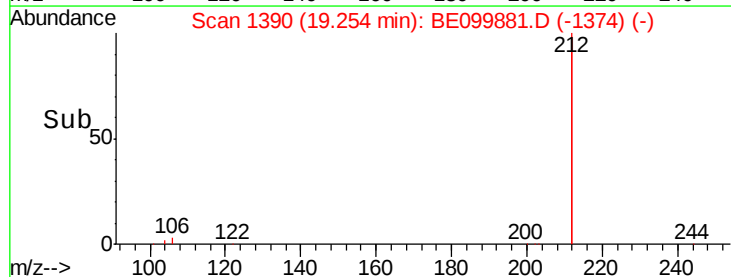
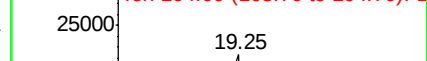
104 1.0 0.8 1.2

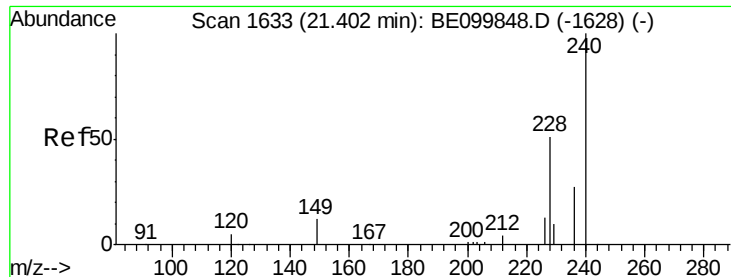


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

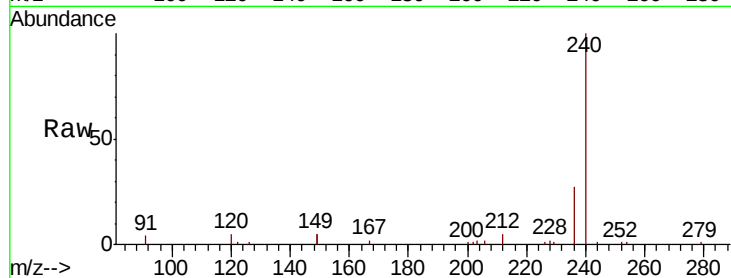




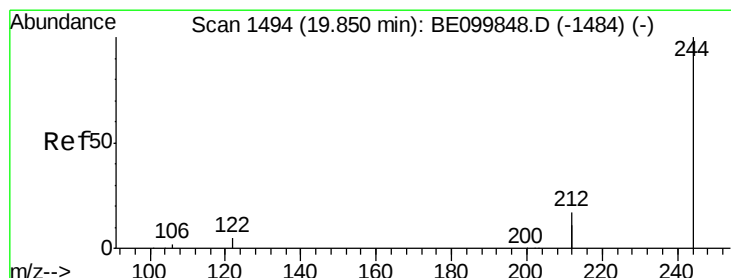
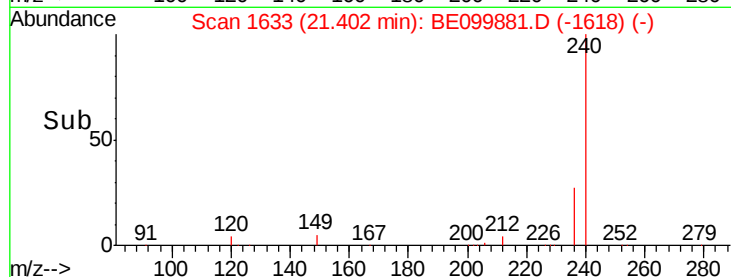
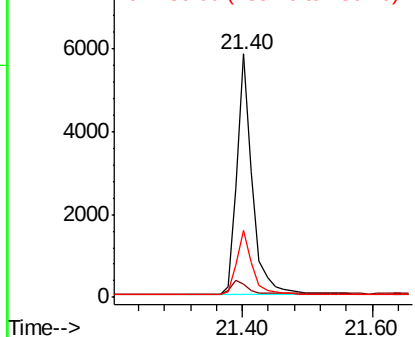
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.40 min Scan# 1633  
 Delta R.T. -0.01 min  
 Lab File: BE099881.D  
 Acq: 8 Jun 2019 11:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-DUP03-20190606

Tot Ion:240 Resp: 9849  
 Ion Ratio Lower Upper  
 240 100  
 120 5.2 2.8 4.2#  
 236 27.4 20.9 31.3

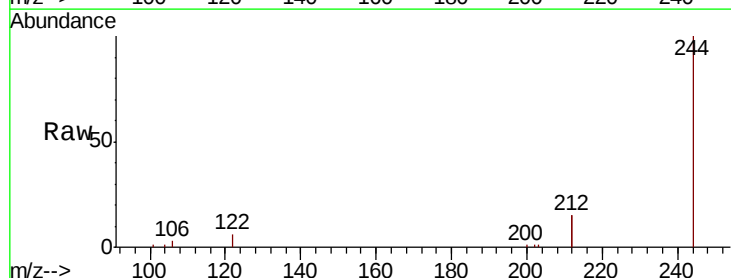


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

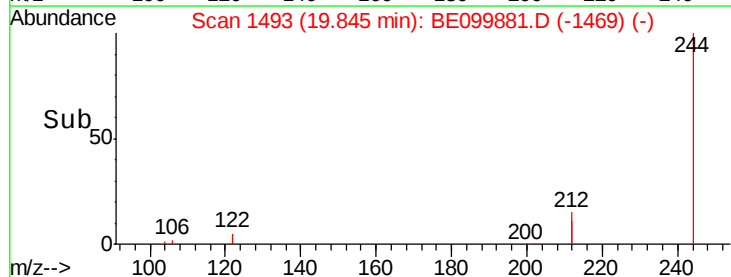
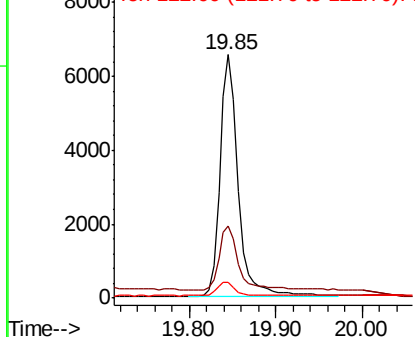


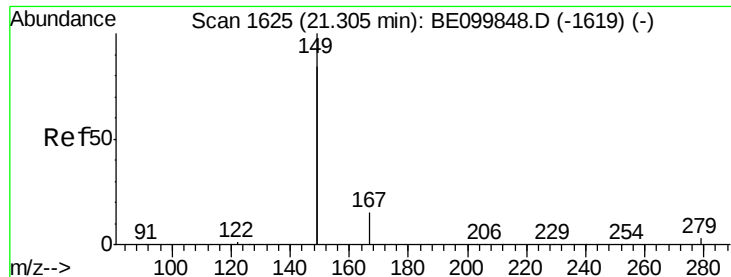
#29  
 Terphenyl-d14  
 Concen: 0.520 ng  
 RT: 19.85 min Scan# 1493  
 Delta R.T. -0.01 min  
 Lab File: BE099881.D  
 Acq: 8 Jun 2019 11:33

Tgt Ion:244 Resp: 9549  
 Ion Ratio Lower Upper  
 244 100  
 212 29.7 23.7 35.5  
 122 6.3 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

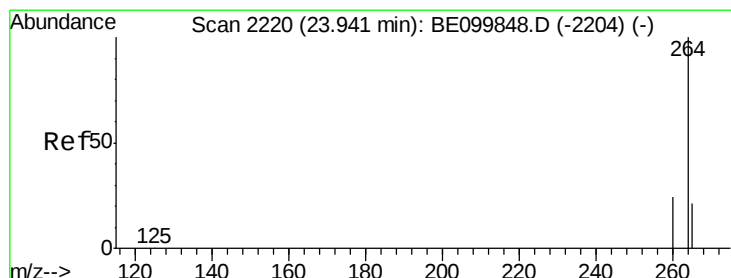
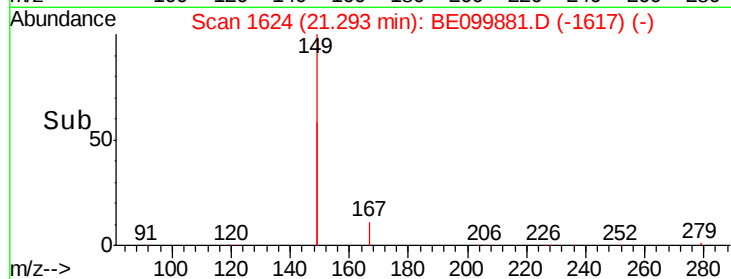
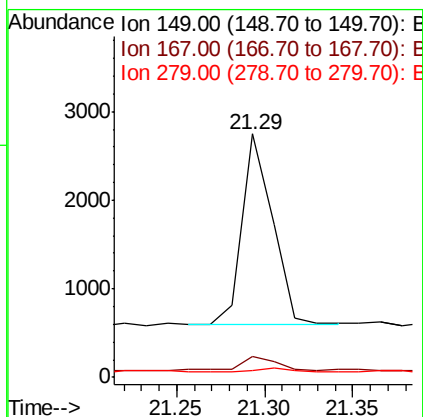
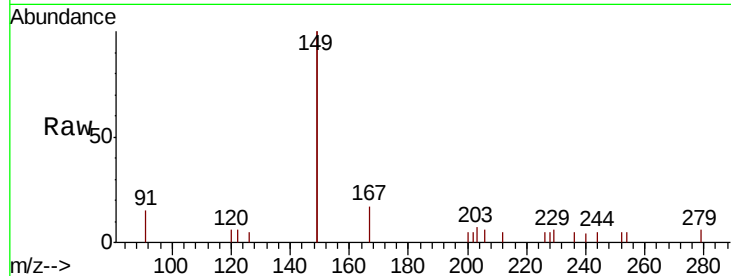




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.052 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BE099881.D  
 Acq: 8 Jun 2019 11:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-DUP03-20190606

Tot Ion:149 Resp: 2632  
 Ion Ratio Lower Upper  
 149 100  
 167 7.8 6.0 9.0  
 279 2.4 1.2 1.8#



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.93 min Scan# 2217  
 Delta R.T. -0.01 min  
 Lab File: BE099881.D  
 Acq: 8 Jun 2019 11:33

Tgt Ion:264 Resp: 11442  
 Ion Ratio Lower Upper  
 264 100  
 260 25.6 20.0 30.0  
 265 26.5 20.7 31.1

