

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE032619\  
 Data File : BE099226.D  
 Acq On : 26 Mar 2019 21:56  
 Operator : JU/SJ  
 Sample : K2073-11  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 P014-TW001-01

Quant Time: Mar 27 08:51:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 07:02:06 2019  
 Response via : Initial Calibration

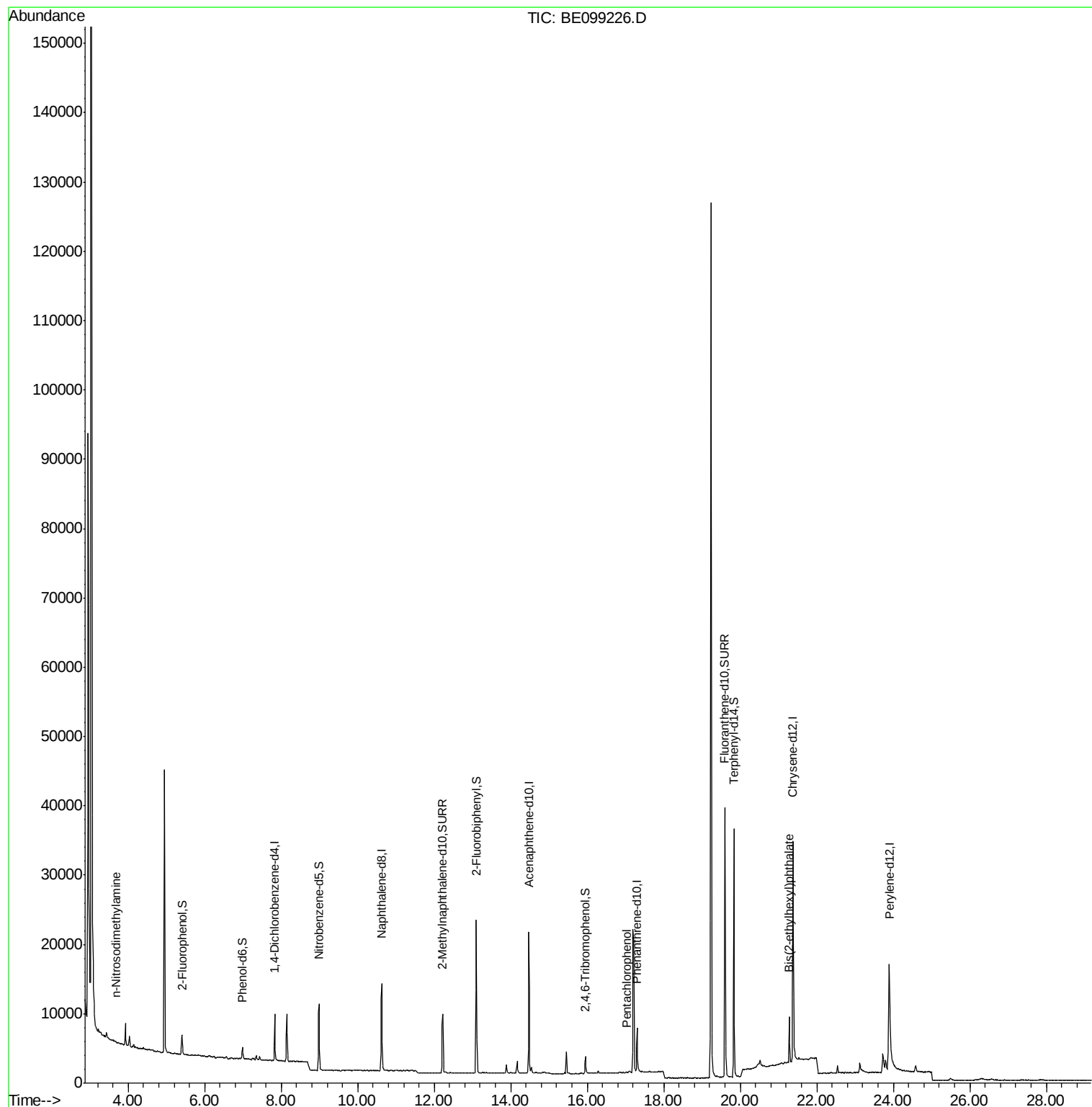
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.84  | 152  | 3558     | 0.40  | ng    | 0.00       |
| 7) Naphthalene-d8              | 10.63 | 136  | 16189    | 0.40  | ng    | 0.00       |
| 13) Acenaphthene-d10           | 14.47 | 164  | 12126    | 0.40  | ng    | -0.01      |
| 19) Phenanthrene-d10           | 17.31 | 188  | 9723     | 0.40  | ng    | 0.09       |
| 27) Chrysene-d12               | 21.38 | 240  | 37913    | 0.40  | ng    | -0.01      |
| 34) Perylene-d12               | 23.89 | 264  | 32246    | 0.40  | ng    | 0.00       |
| System Monitoring Compounds    |       |      |          |       |       |            |
| 4) 2-Fluorophenol              | 5.41  | 112  | 1889     | 0.18  | ng    | 0.00       |
| 5) Phenol-d6                   | 6.99  | 99   | 1623     | 0.10  | ng    | 0.00       |
| 8) Nitrobenzene-d5             | 8.99  | 82   | 4679     | 0.35  | ng    | 0.00       |
| 11) 2-Methylnaphthalene-d10    | 12.22 | 152  | 12182    | 0.39  | ng    | 0.00       |
| 14) 2,4,6-Tribromophenol       | 15.96 | 330  | 1651     | 0.47  | ng    | 0.00       |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 20314    | 0.41  | ng    | 0.00       |
| 25) Fluoranthene-d10           | 19.60 | 212  | 52163    | 0.44  | ng    | 0.36       |
| 29) Terphenyl-d14              | 19.83 | 244  | 33946    | 0.41  | ng    | 0.00       |
| Target Compounds               |       |      |          |       |       |            |
| 3) n-Nitrosodimethylamine      | 3.69  | 42   | 64       | 0.024 | ng    | Qvalue # 3 |
| 22) Pentachlorophenol          | 17.03 | 266  | 10       | 0.250 | ng    | 91         |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 7720     | 0.052 | ng    | # 99       |

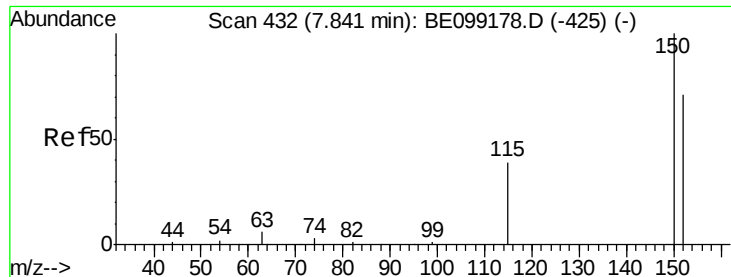
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 07:02:06 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.84 min Scan# 432

Delta R.T. -0.00 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

Instrument :

BNA\_E

ClientSampleId :

P014-TW001-01

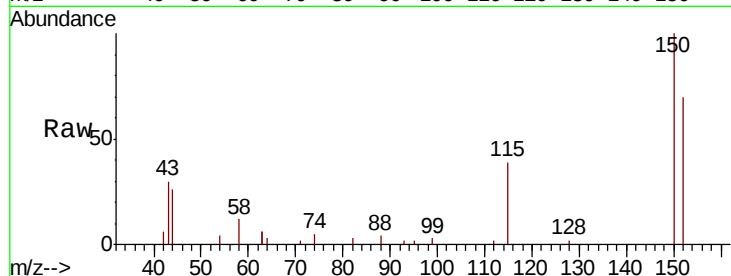
Tgt Ion: 152 Resp: 3558

Ion Ratio Lower Upper

152 100

150 143.4 112.8 169.2

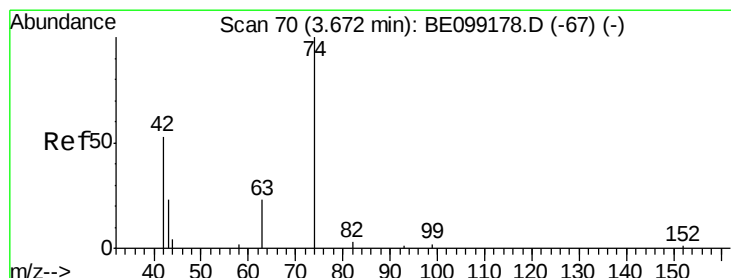
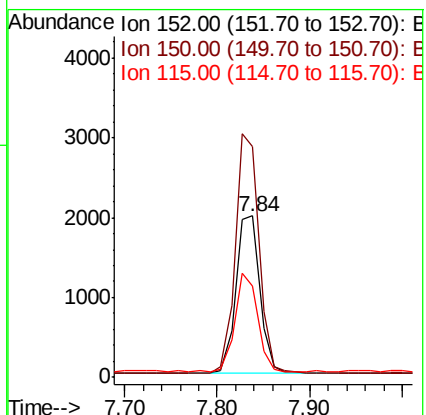
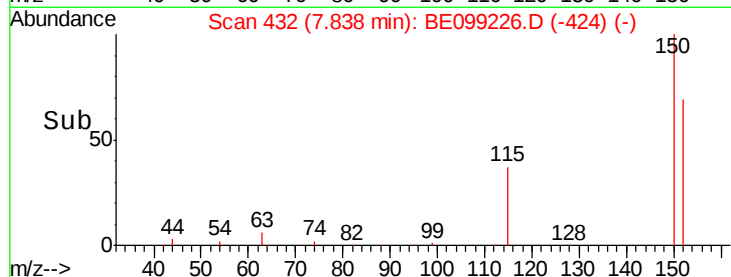
115 56.6 45.1 67.7



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



#3

n-Nitrosodimethylamine

Concen: 0.024 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.02 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

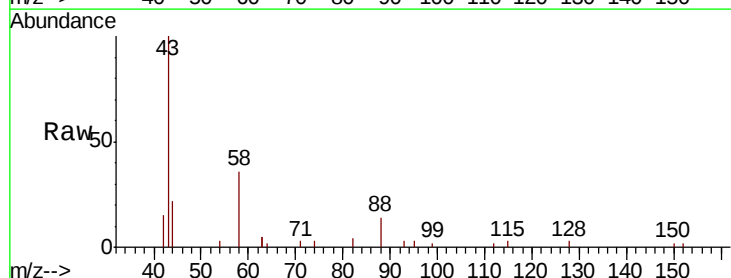
Tgt Ion: 42 Resp: 64

Ion Ratio Lower Upper

42 100

74 31.3 138.6 207.8#

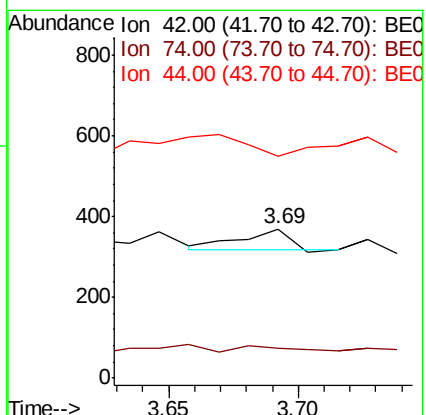
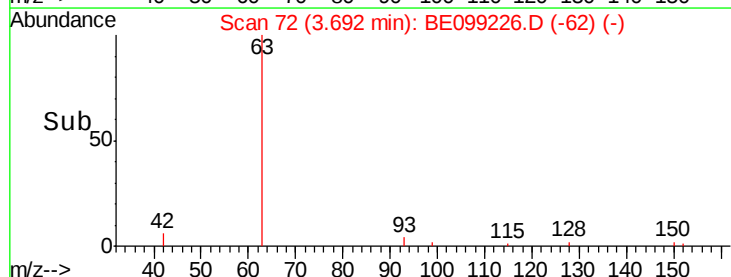
44 0.0 15.0 22.6#

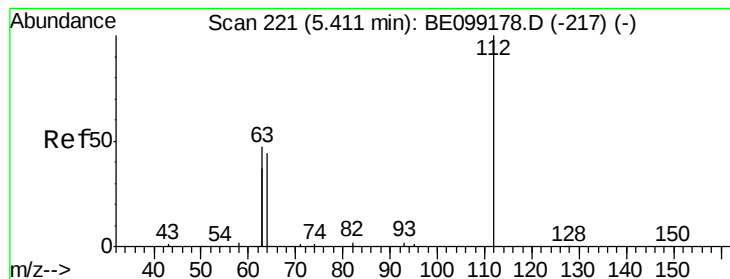


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.178 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

Instrument :

BNA\_E

ClientSampleId :

P014-TW001-01

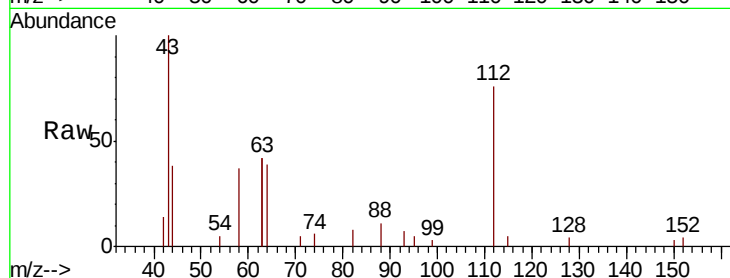
Tgt Ion: 112 Resp: 1889

Ion Ratio Lower Upper

112 100

64 56.1 46.2 69.2

63 124.7 89.9 134.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

5.41

1500

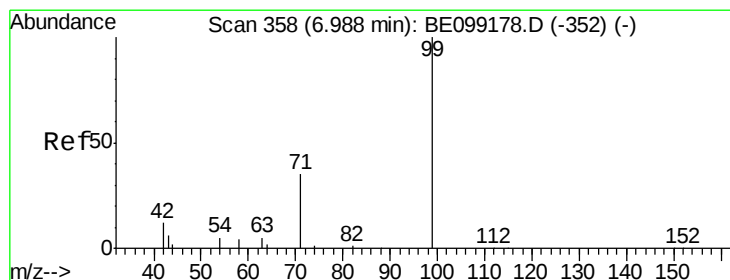
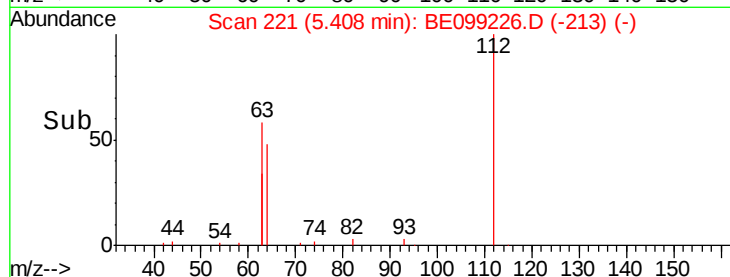
1000

500

0

5.30 5.40 5.50

Time-->



#5

Phenol-d6

Concen: 0.100 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

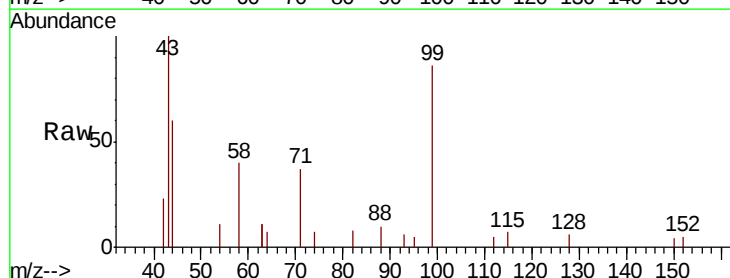
Tgt Ion: 99 Resp: 1623

Ion Ratio Lower Upper

99 100

42 20.1 12.4 18.6#

71 39.4 28.4 42.6



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

6.99

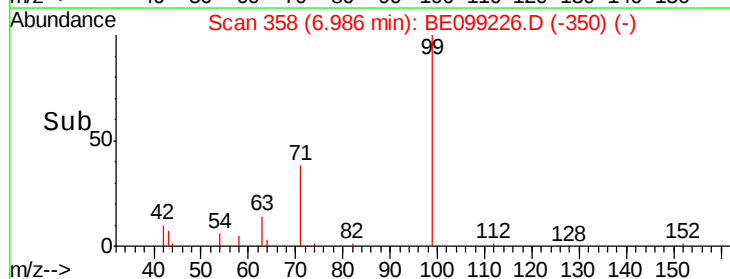
1000

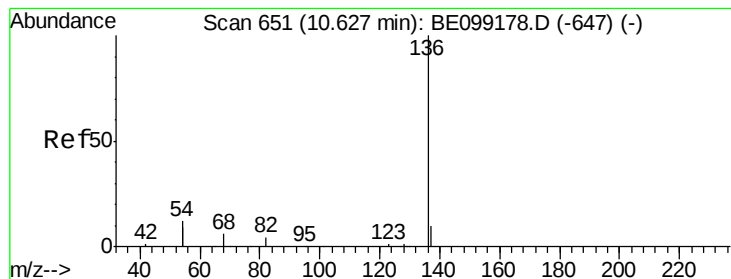
500

0

6.90 7.00 7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

Instrument :

BNA\_E

ClientSampleId :

P014-TW001-01

Tgt Ion:136 Resp: 16189

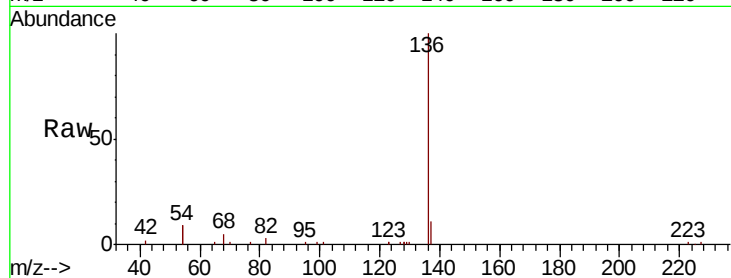
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 17.4 18.7 28.1#

68 4.7 5.2 7.8#

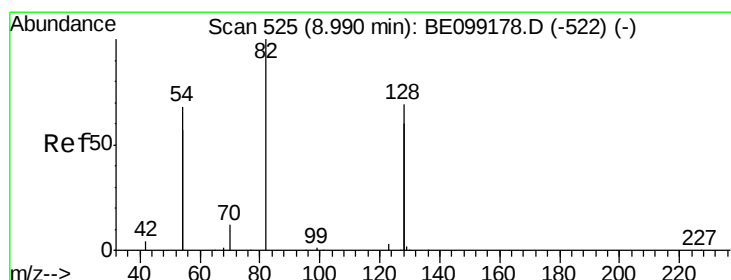
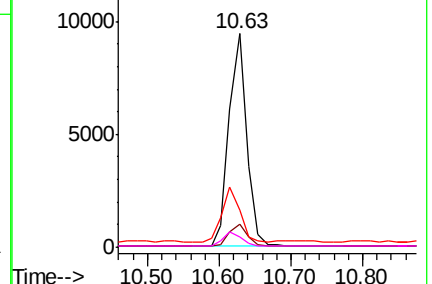
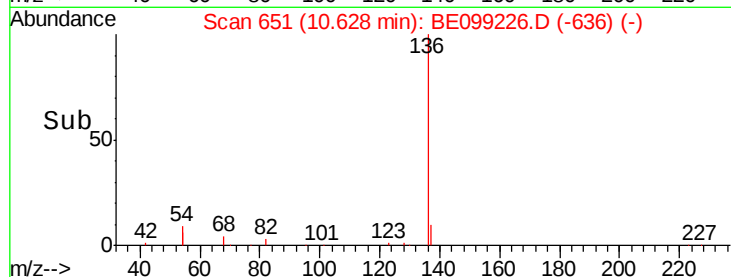


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.354 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

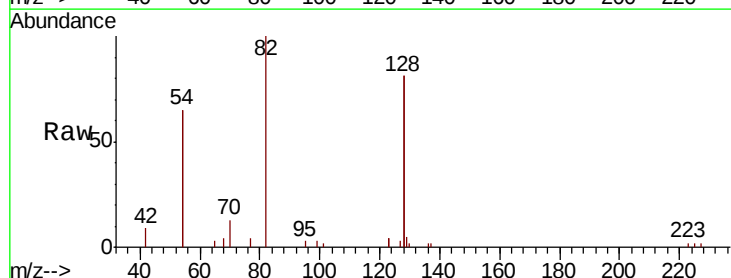
Tgt Ion: 82 Resp: 4679

Ion Ratio Lower Upper

82 100

128 162.1 107.5 161.3#

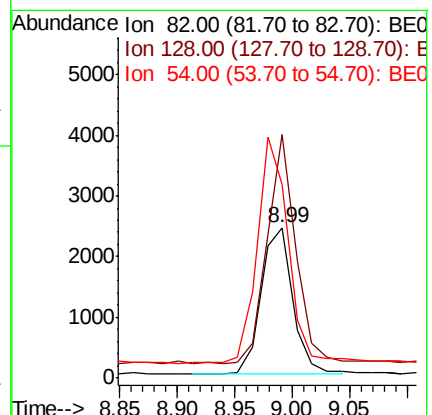
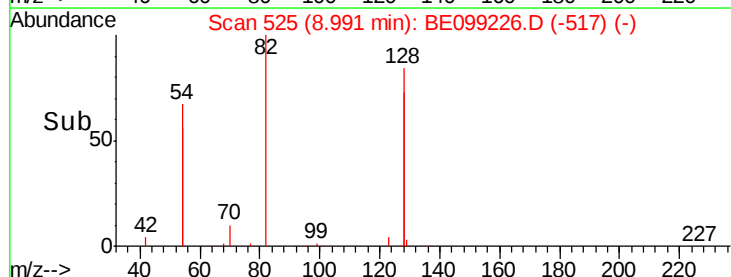
54 129.2 106.3 159.5

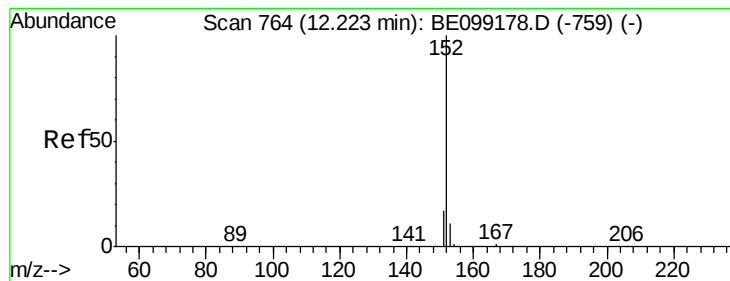


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.391 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

Instrument :

BNA\_E

ClientSampleId :

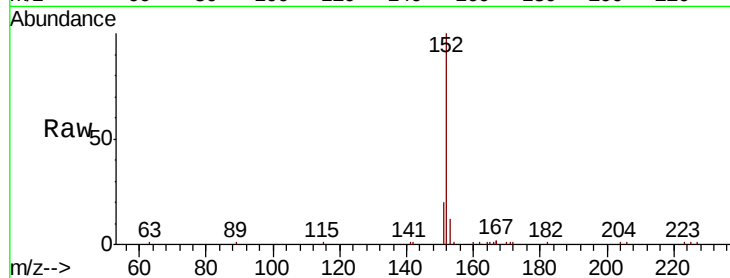
P014-TW001-01

Tgt Ion:152 Resp: 12182

Ion Ratio Lower Upper

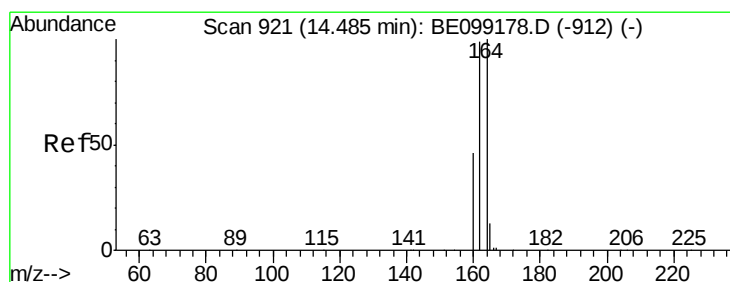
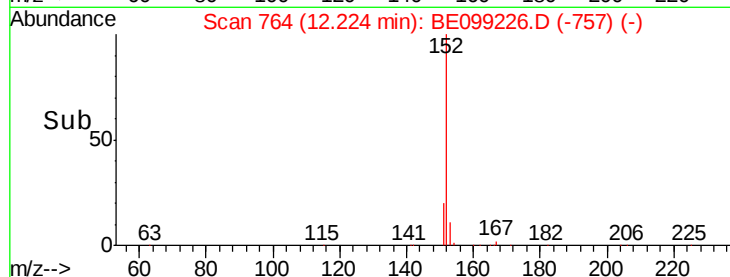
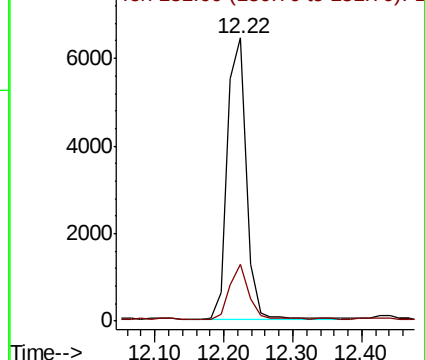
152 100

151 19.6 15.0 22.6



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: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

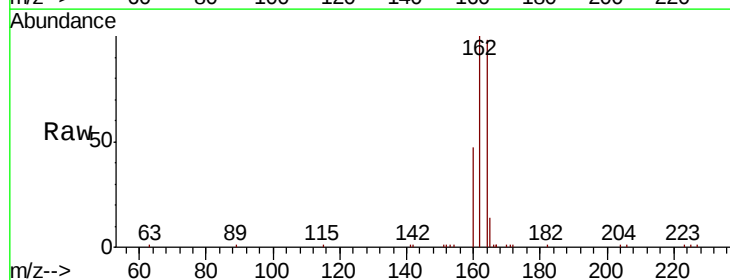
Tgt Ion:164 Resp: 12126

Ion Ratio Lower Upper

164 100

162 102.1 79.2 118.8

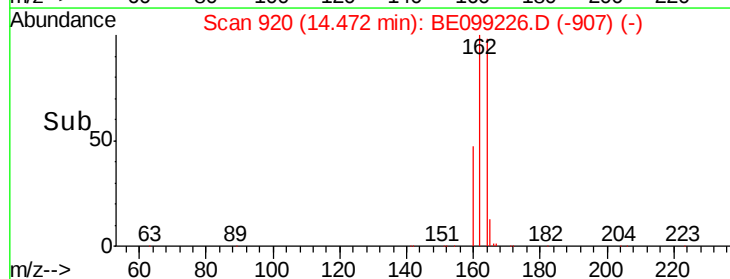
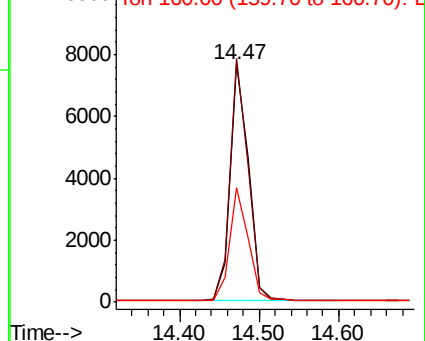
160 48.2 36.7 55.1

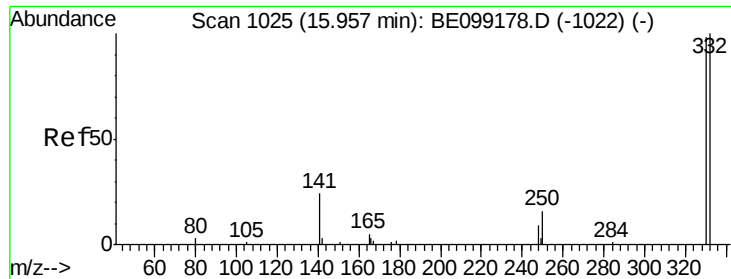


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

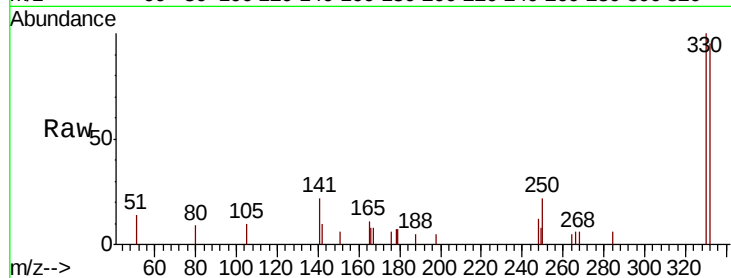




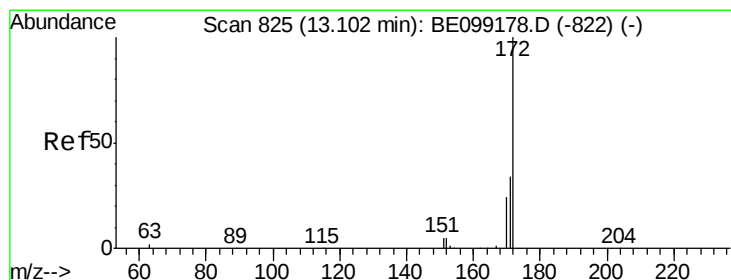
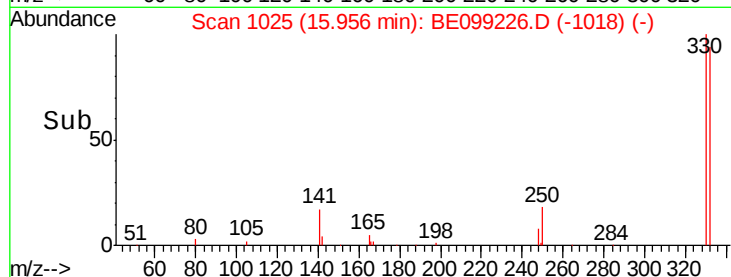
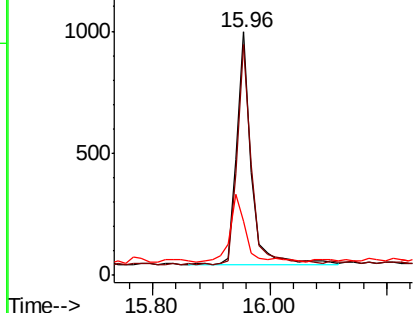
#14  
 2,4,6-Tribromophenol  
 Concen: 0.468 ng  
 RT: 15.96 min Scan# 1025  
 Delta R.T. -0.00 min  
 Lab File: BE099226.D  
 Acq: 26 Mar 2019 21:56

Instrument :  
 BNA\_E  
 ClientSampleId :  
 P014-TW001-01

Tgt Ion:330 Resp: 1651  
 Ion Ratio Lower Upper  
 330 100  
 332 94.4 71.3 106.9  
 141 31.2 21.7 32.5

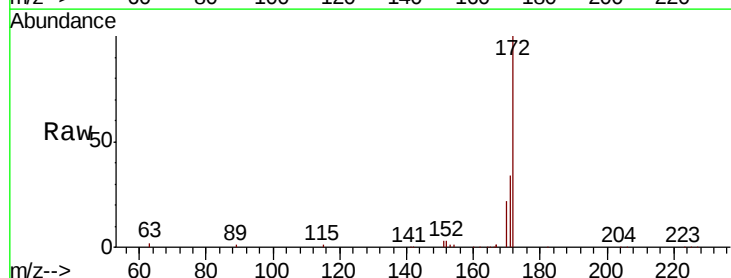


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

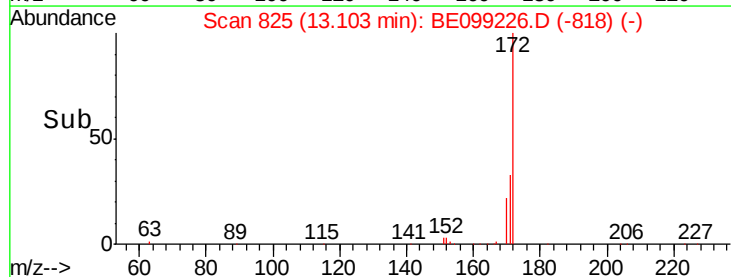
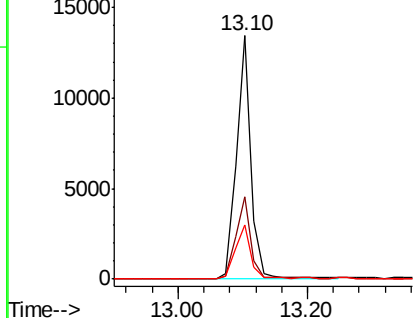


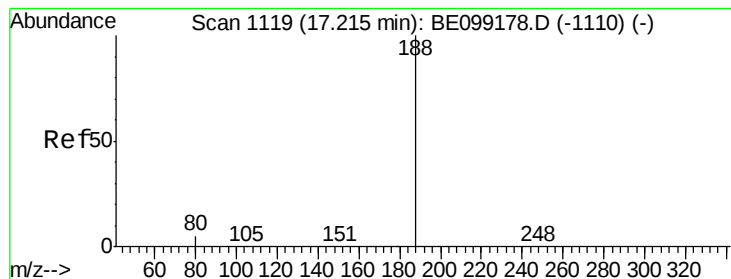
#15  
 2-Fluorobiphenyl  
 Concen: 0.411 ng  
 RT: 13.10 min Scan# 825  
 Delta R.T. 0.00 min  
 Lab File: BE099226.D  
 Acq: 26 Mar 2019 21:56

Tgt Ion:172 Resp: 20314  
 Ion Ratio Lower Upper  
 172 100  
 171 33.6 27.4 41.0  
 170 22.0 19.1 28.7



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

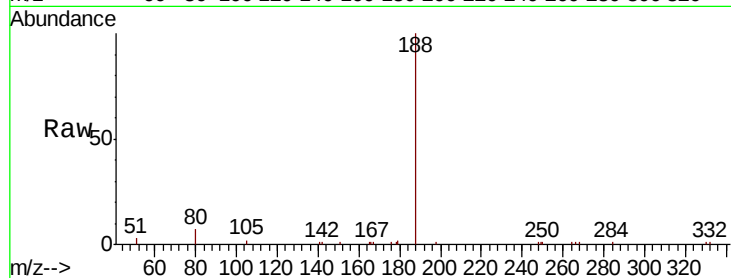




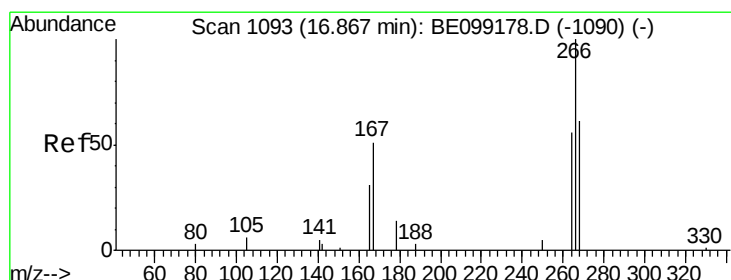
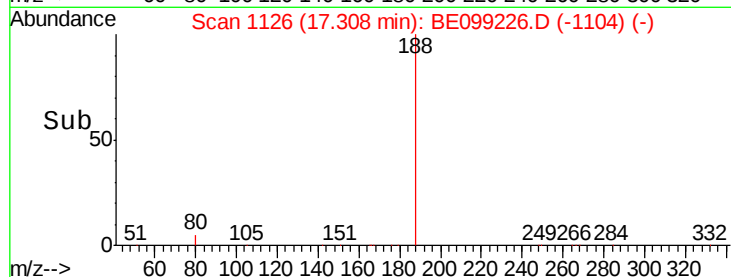
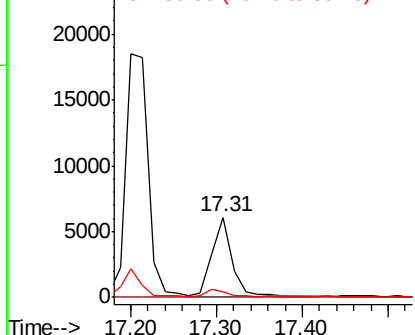
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.31 min Scan# 1126  
Delta R.T. 0.09 min  
Lab File: BE099226.D  
Acq: 26 Mar 2019 21:56

Instrument :  
BNA\_E  
ClientSampleId :  
P014-TW001-01

Tgt Ion:188 Resp: 9723  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 6.6 4.5 6.7

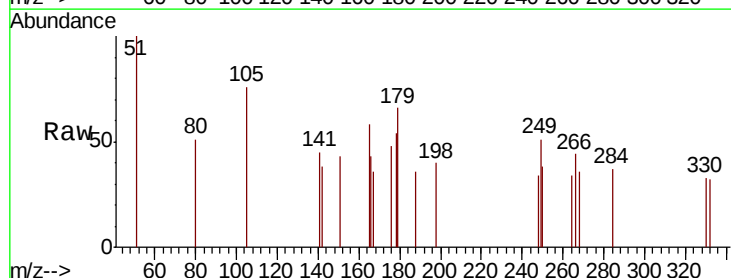


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE0  
Ion 80.00 (79.70 to 80.70): BE0

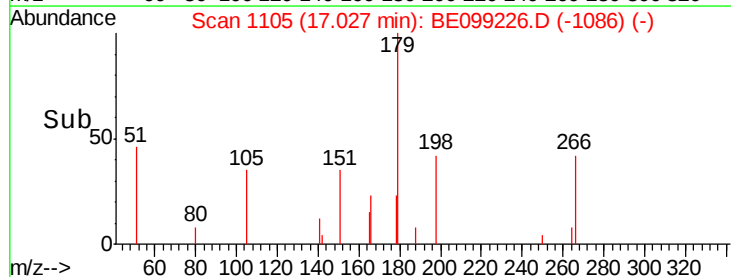
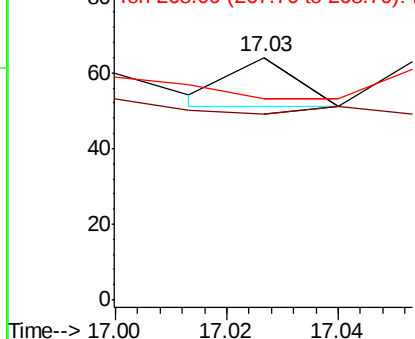


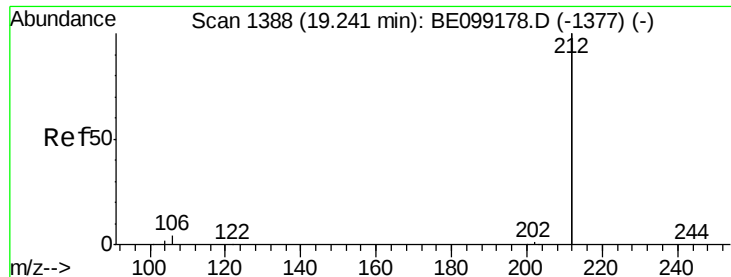
#22  
Pentachlorophenol  
Concen: 0.250 ng  
RT: 17.03 min Scan# 1105  
Delta R.T. 0.16 min  
Lab File: BE099226.D  
Acq: 26 Mar 2019 21:56

Tgt Ion:266 Resp: 10  
Ion Ratio Lower Upper  
266 100  
264 76.6 54.4 81.6  
268 82.8 61.3 91.9



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: 0.443 ng

RT: 19.60 min Scan# 1450

Delta R.T. 0.36 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

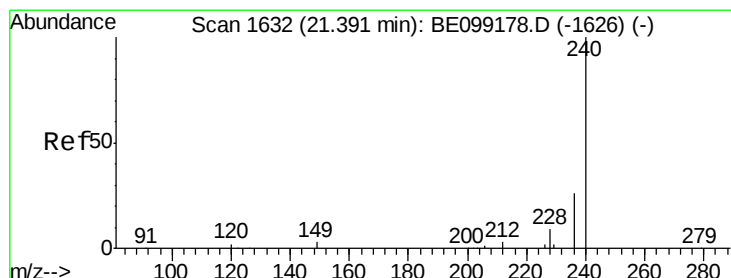
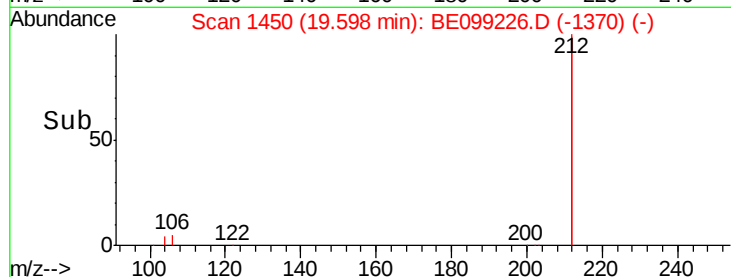
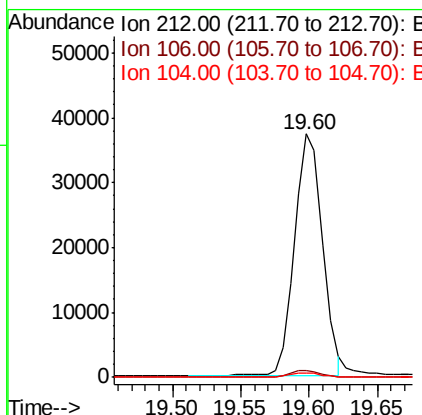
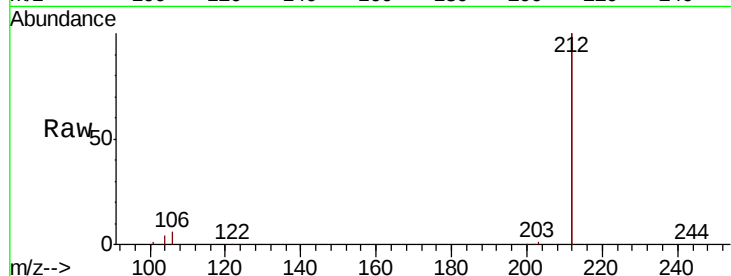
Instrument :

BNA\_E

ClientSampleId :

P014-TW001-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 52163 |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 2.7   | 1.8   | 2.8   |
| 104      | 1.8   | 1.1   | 1.7#  |



#27

Chrysene-d12

Concen: 0.400 ng

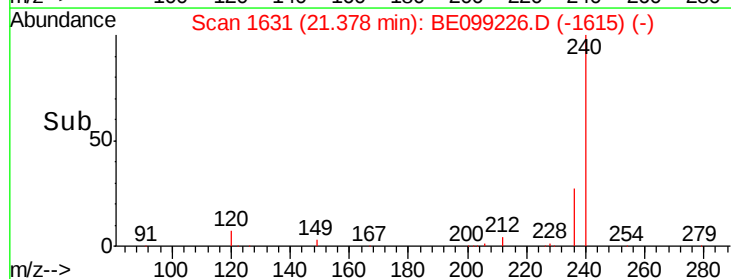
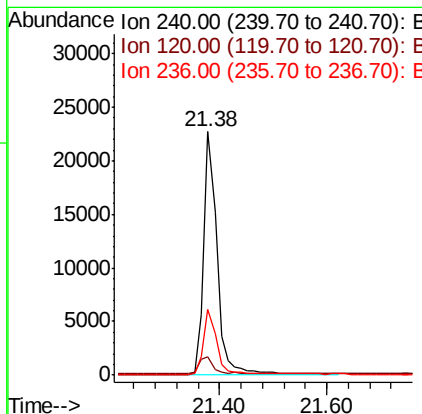
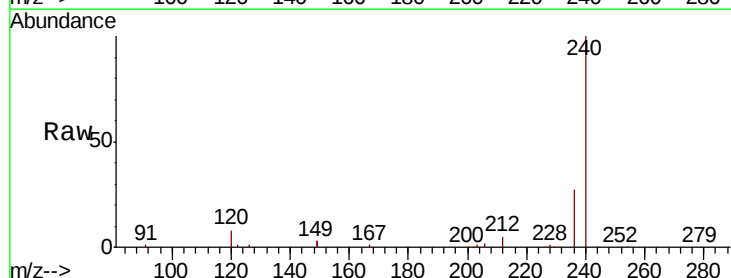
RT: 21.38 min Scan# 1631

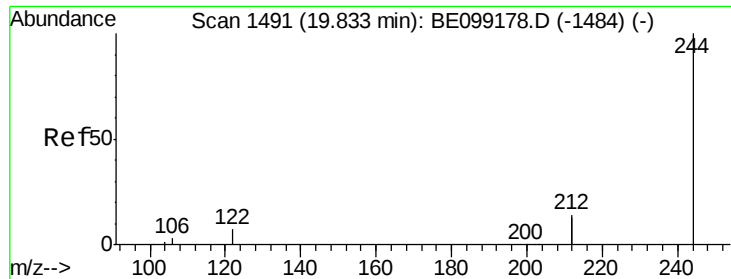
Delta R.T. -0.01 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 240   | Resp: | 37913 |
| Ion      | Ratio | Lower | Upper |
| 240      | 100   |       |       |
| 120      | 7.5   | 2.6   | 3.8#  |
| 236      | 26.8  | 20.9  | 31.3  |





#29

Terphenyl-d14

Concen: 0.412 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

Instrument :

BNA\_E

ClientSampleId :

P014-TW001-01

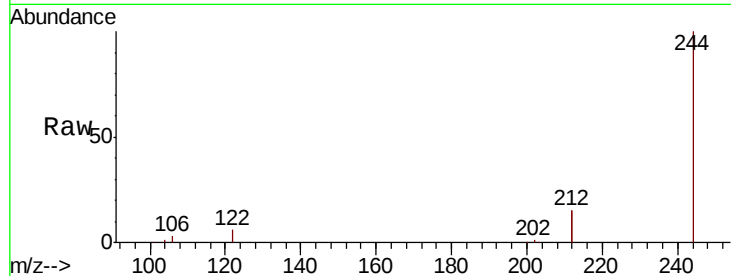
Tgt Ion:244 Resp: 33946

Ion Ratio Lower Upper

244 100

212 30.3 22.7 34.1

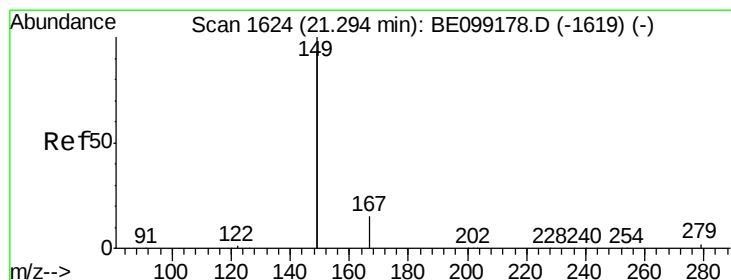
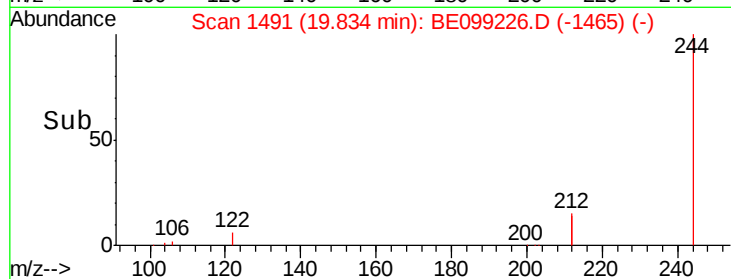
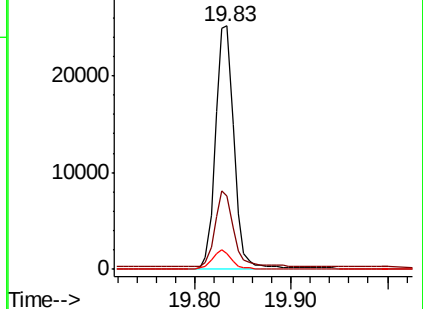
122 6.4 5.8 8.6



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.052 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

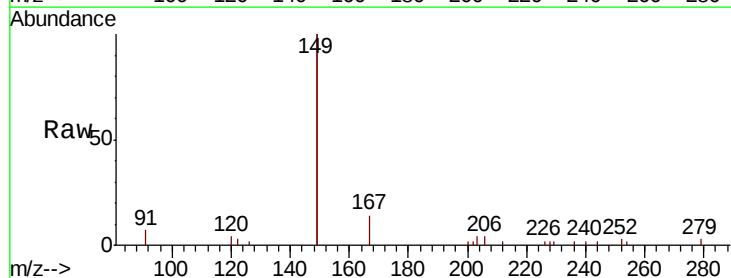
Tgt Ion:149 Resp: 7720

Ion Ratio Lower Upper

149 100

167 7.0 5.9 8.9

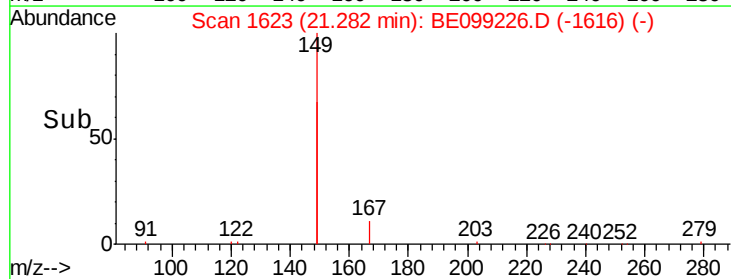
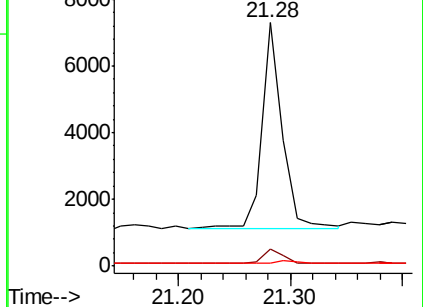
279 1.8 1.0 1.6#

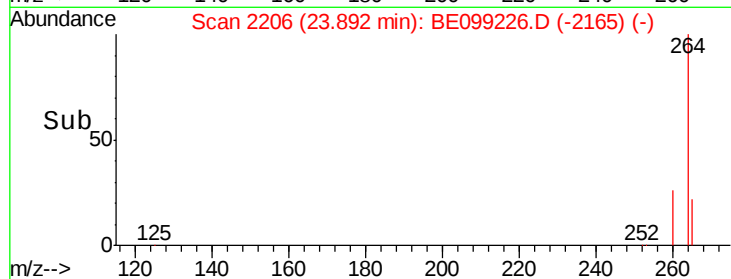
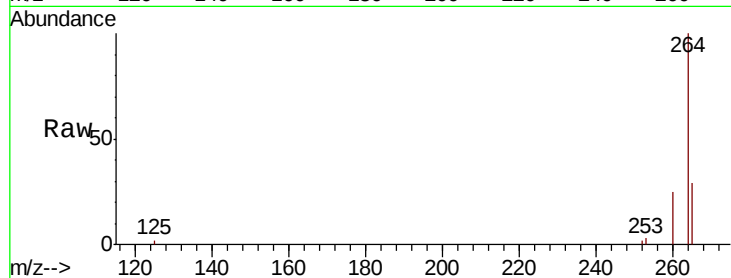
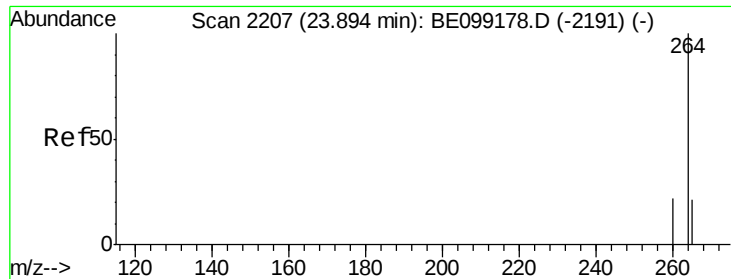


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.89 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE099226.D

Acq: 26 Mar 2019 21:56

Instrument :

BNA\_E

ClientSampleId :

P014-TW001-01

Tgt Ion:264 Resp: 32246

Ion Ratio Lower Upper

264 100

260 25.5 18.2 27.2

265 28.8 21.8 32.8

