

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE032619\  
 Data File : BE099235.D  
 Acq On : 27 Mar 2019 3:40  
 Operator : JU/SJ  
 Sample : K2064-07  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 P006-TW001-01

Quant Time: Mar 27 08:53:03 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

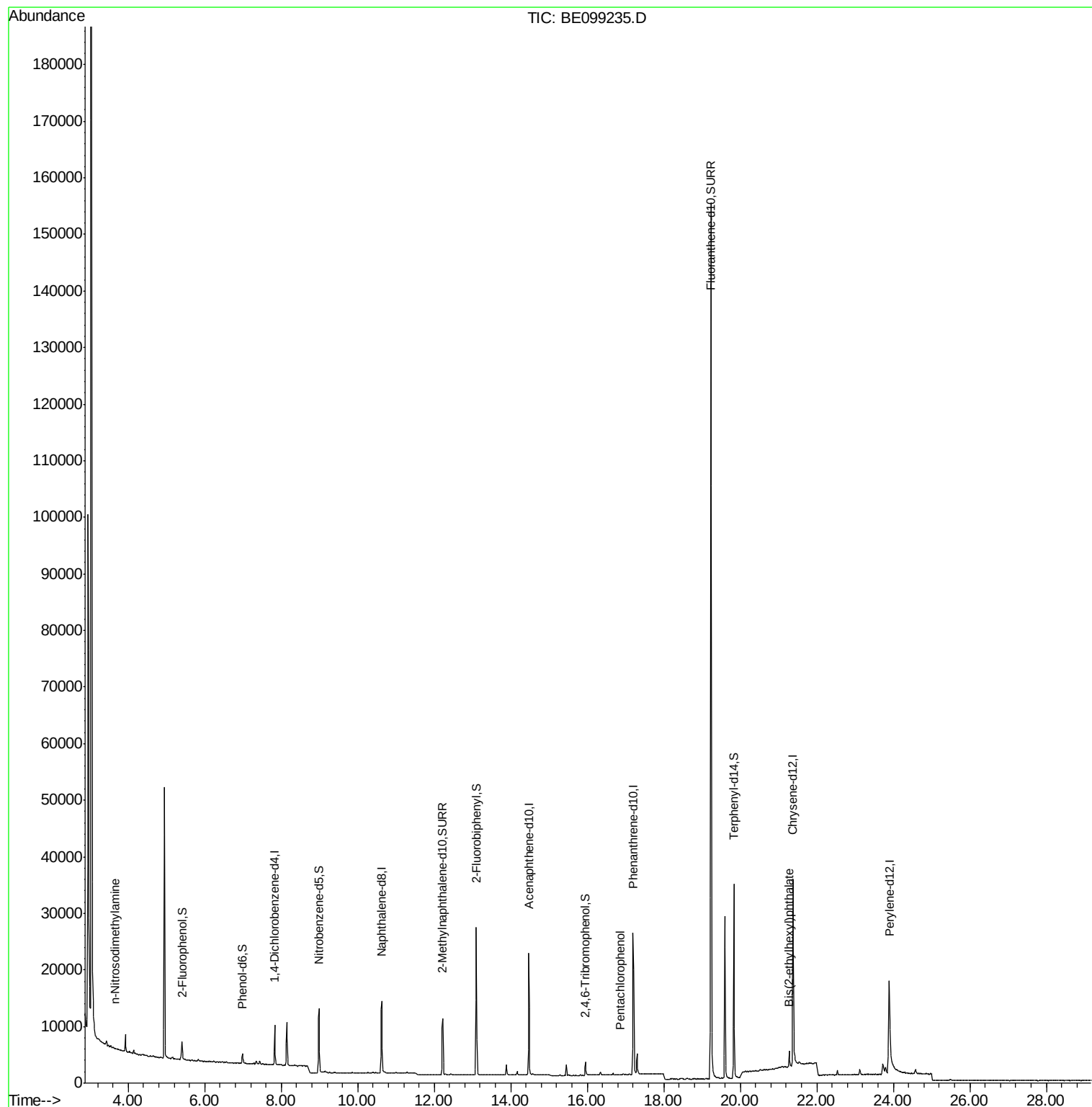
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.84  | 152  | 3769     | 0.40  | ng    | 0.00       |
| 7) Naphthalene-d8              | 10.63 | 136  | 16656    | 0.40  | ng    | 0.00       |
| 13) Acenaphthene-d10           | 14.47 | 164  | 12981    | 0.40  | ng    | -0.01      |
| 19) Phenanthrene-d10           | 17.20 | 188  | 38150    | 0.40  | ng    | -0.01      |
| 27) Chrysene-d12               | 21.38 | 240  | 41724    | 0.40  | ng    | -0.01      |
| 34) Perylene-d12               | 23.89 | 264  | 34361    | 0.40  | ng    | 0.00       |
| System Monitoring Compounds    |       |      |          |       |       |            |
| 4) 2-Fluorophenol              | 5.41  | 112  | 2100     | 0.19  | ng    | 0.00       |
| 5) Phenol-d6                   | 6.99  | 99   | 1819     | 0.11  | ng    | 0.00       |
| 8) Nitrobenzene-d5             | 8.99  | 82   | 5437     | 0.40  | ng    | 0.00       |
| 11) 2-Methylnaphthalene-d10    | 12.22 | 152  | 14391    | 0.45  | ng    | 0.00       |
| 14) 2,4,6-Tribromophenol       | 15.96 | 330  | 1725     | 0.46  | ng    | 0.00       |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 23616    | 0.45  | ng    | 0.00       |
| 25) Fluoranthene-d10           | 19.24 | 212  | 207090   | 0.45  | ng    | 0.00       |
| 29) Terphenyl-d14              | 19.83 | 244  | 34611    | 0.38  | ng    | 0.00       |
| Target Compounds               |       |      |          |       |       |            |
| 3) n-Nitrosodimethylamine      | 3.66  | 42   | 73       | 0.026 | ng    | Qvalue # 1 |
| 22) Pentachlorophenol          | 16.87 | 266  | 39       | 0.250 | ng    | # 84       |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 3819     | 0.023 | ng    | # 100      |

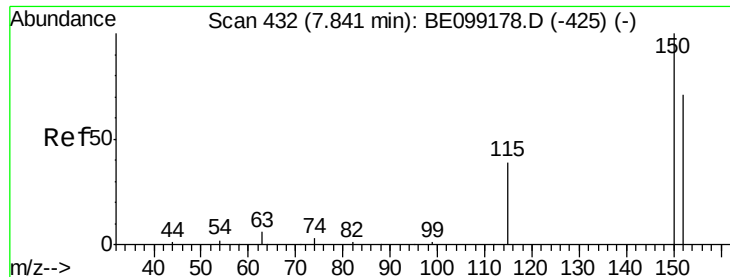
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.84 min Scan# 432

Delta R.T. -0.00 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

Instrument :

BNA\_E

ClientSampleId :

P006-TW001-01

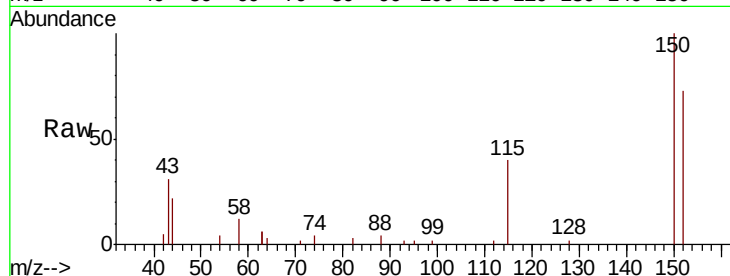
Tgt Ion: 152 Resp: 3769

Ion Ratio Lower Upper

152 100

150 137.6 112.8 169.2

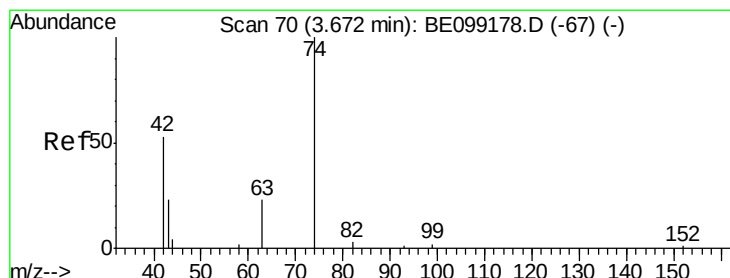
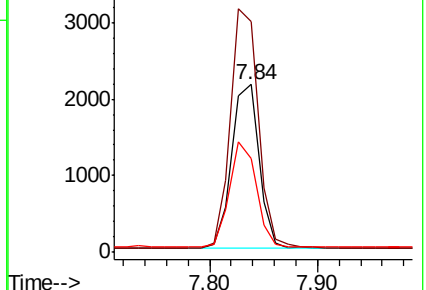
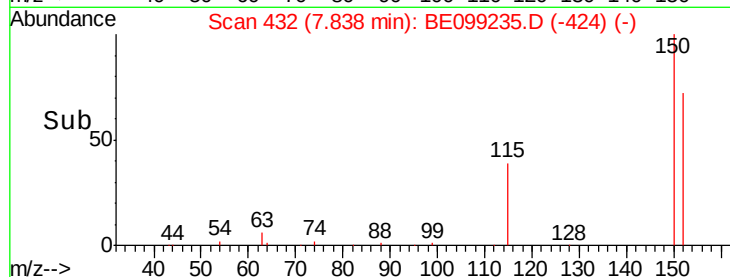
115 55.7 45.1 67.7



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: 0.026 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

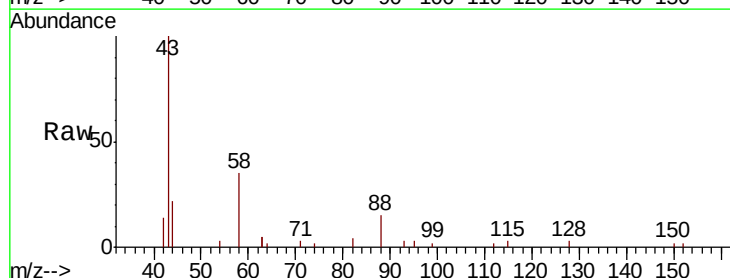
Tgt Ion: 42 Resp: 73

Ion Ratio Lower Upper

42 100

74 0.0 138.6 207.8#

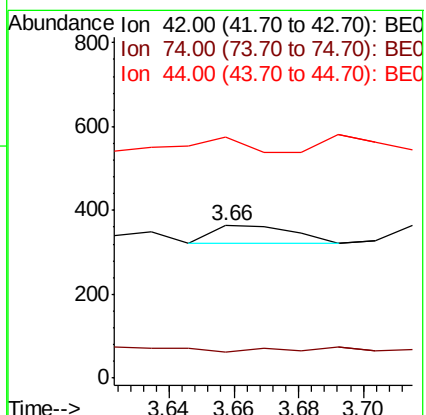
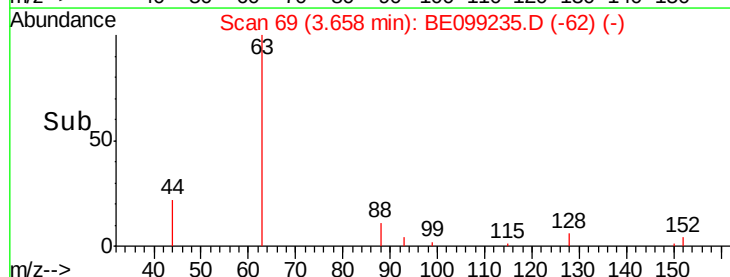
44 80.8 15.0 22.6#

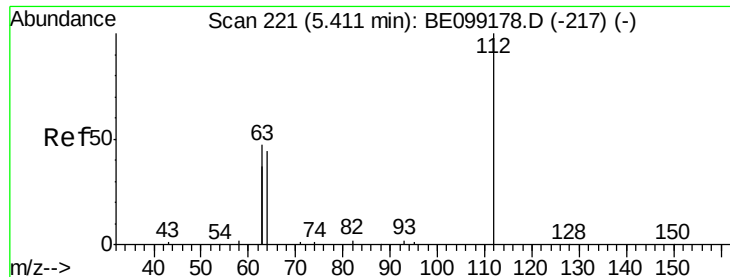


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.187 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

Instrument :

BNA\_E

ClientSampleId :

P006-TW001-01

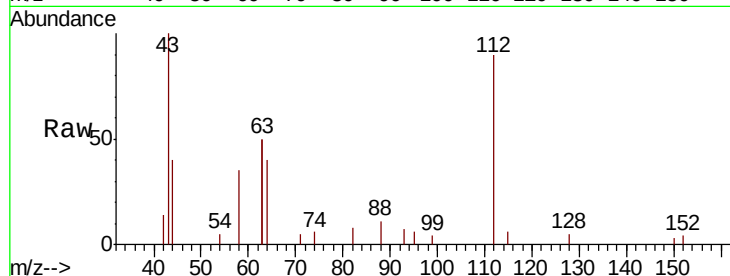
Tgt Ion: 112 Resp: 2100

Ion Ratio Lower Upper

112 100

64 54.6 46.2 69.2

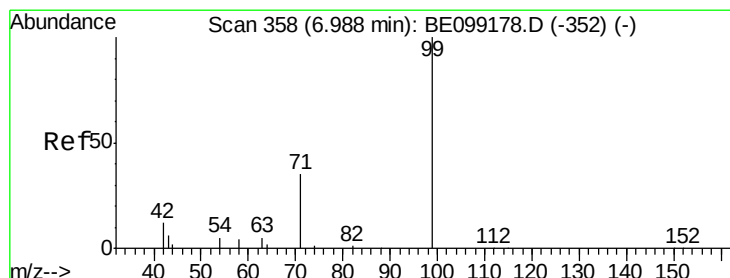
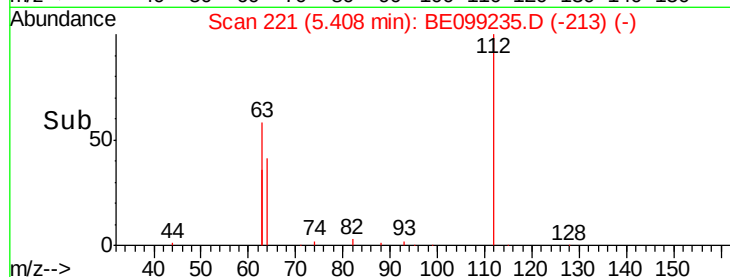
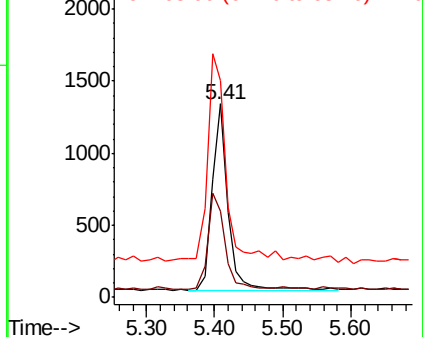
63 125.4 89.9 134.9



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

Phenol-d6

Concen: 0.106 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

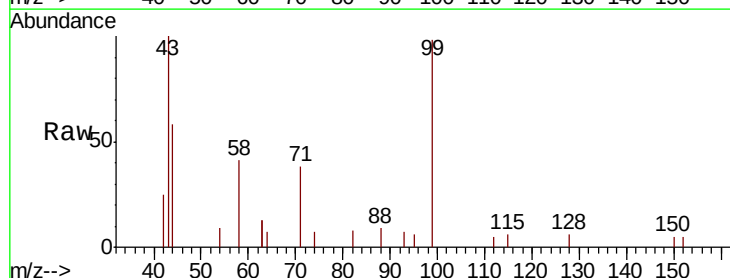
Tgt Ion: 99 Resp: 1819

Ion Ratio Lower Upper

99 100

42 20.1 12.4 18.6#

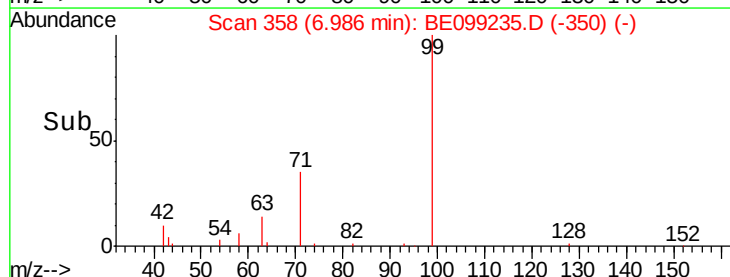
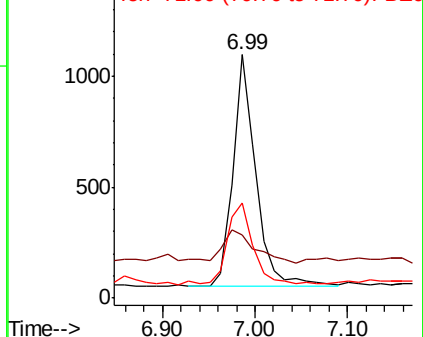
71 40.4 28.4 42.6

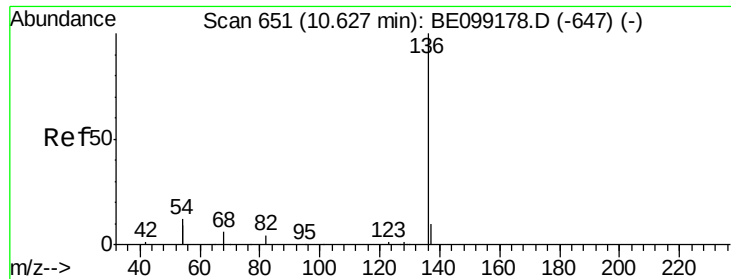


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

Instrument :

BNA\_E

ClientSampleId :

P006-TW001-01

Tgt Ion:136 Resp: 16656

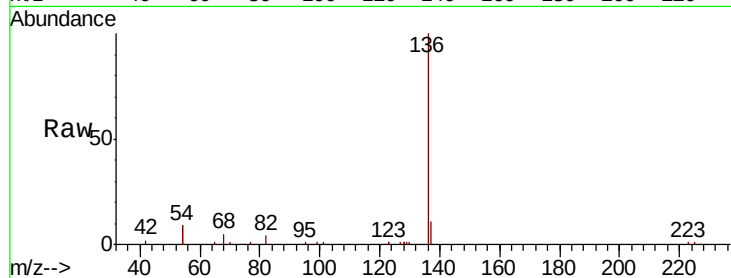
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 18.1 18.7 28.1#

68 4.8 5.2 7.8#

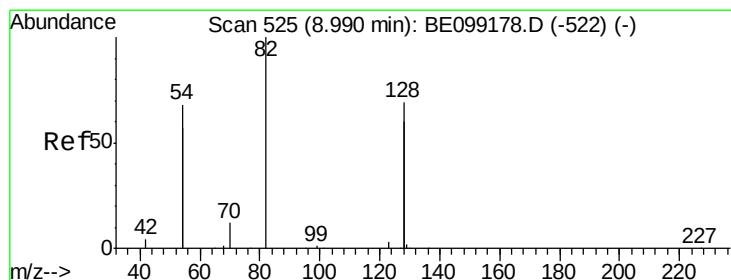
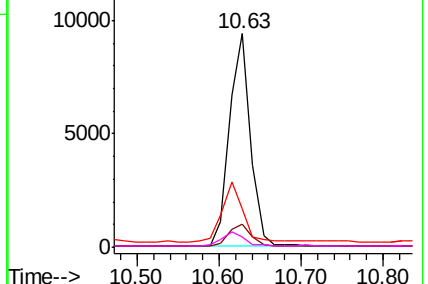
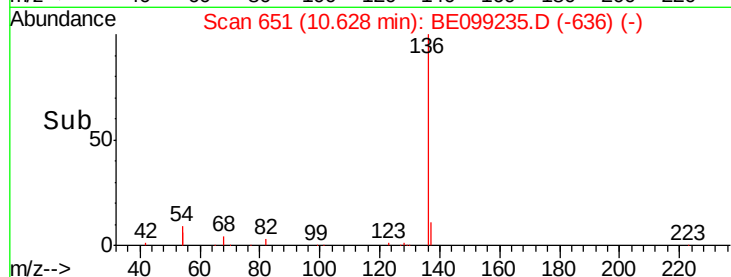


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.400 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

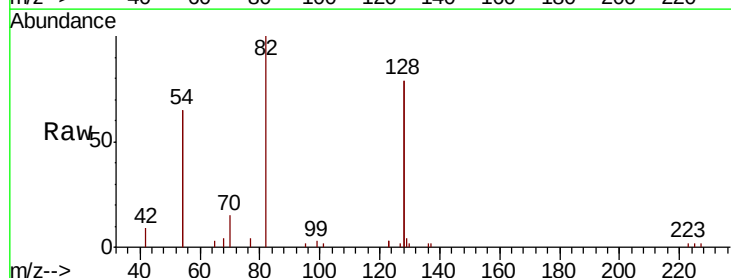
Tgt Ion: 82 Resp: 5437

Ion Ratio Lower Upper

82 100

128 158.0 107.5 161.3

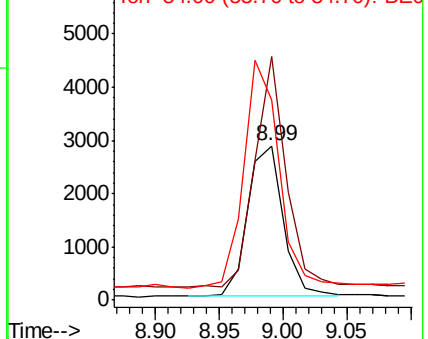
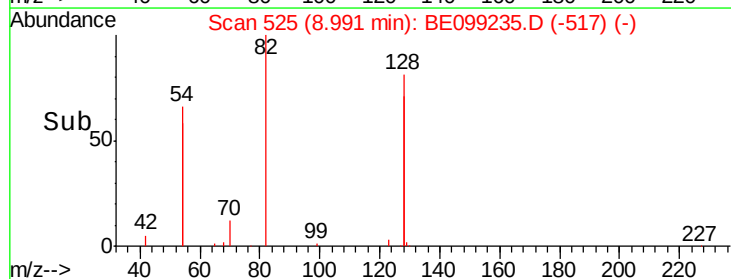
54 129.9 106.3 159.5

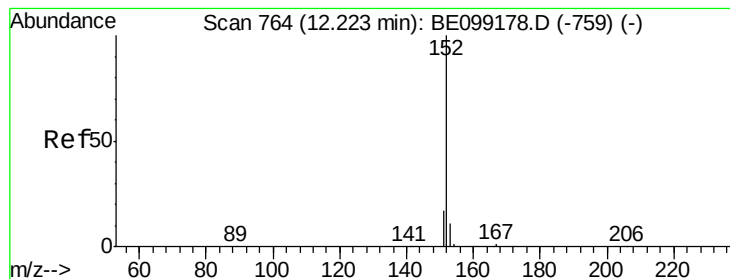


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.448 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

Instrument :

BNA\_E

ClientSampleId :

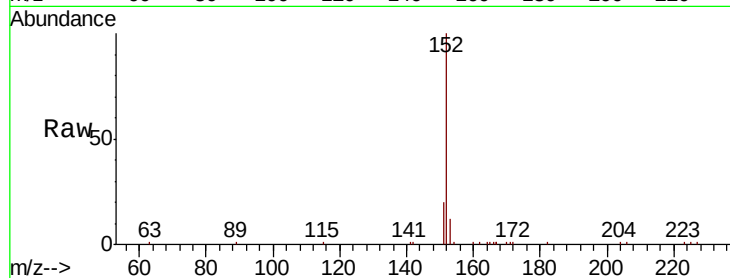
P006-TW001-01

Tgt Ion:152 Resp: 14391

Ion Ratio Lower Upper

152 100

151 19.2 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

8000

6000

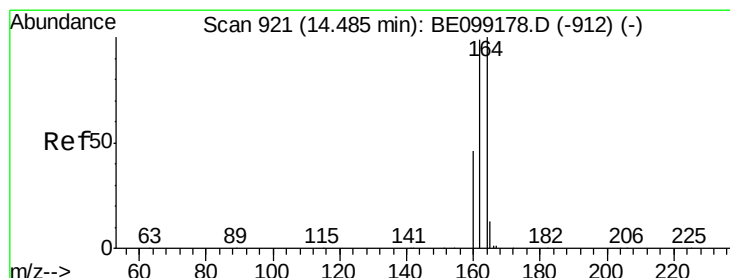
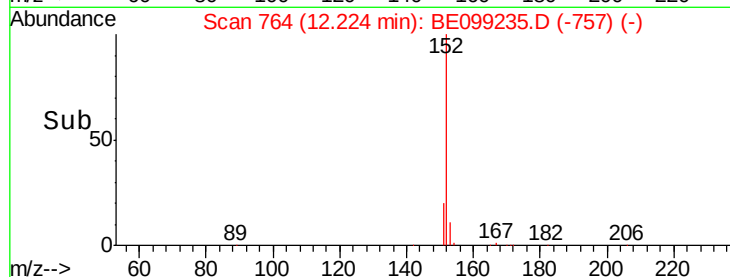
4000

2000

0

12.10 12.20 12.30

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

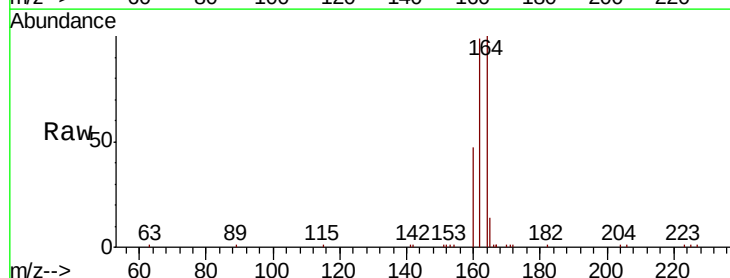
Tgt Ion:164 Resp: 12981

Ion Ratio Lower Upper

164 100

162 99.4 79.2 118.8

160 46.8 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

10000

8000

6000

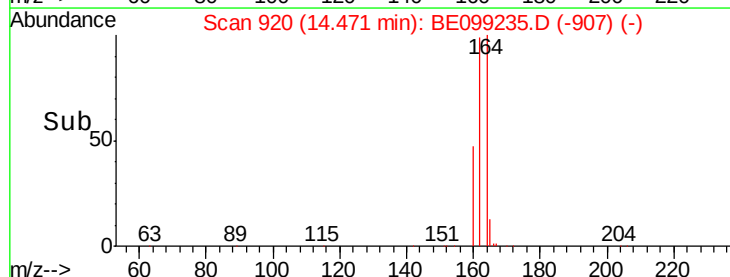
4000

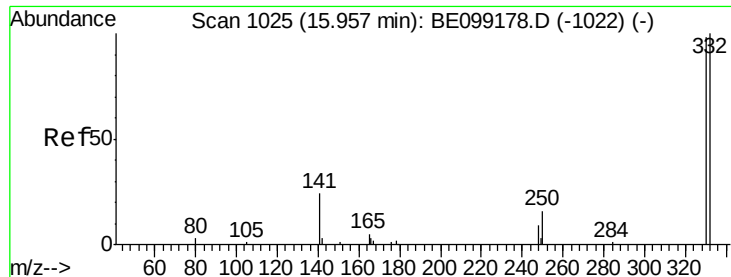
2000

0

14.40 14.50 14.60

Time-->

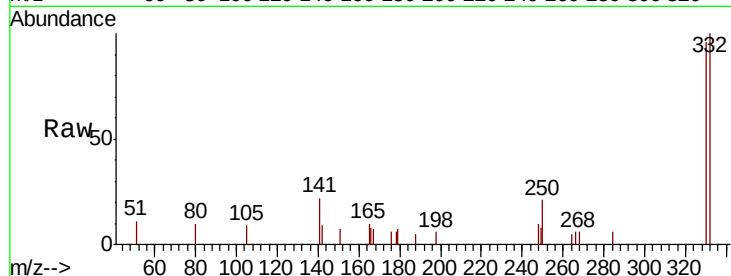




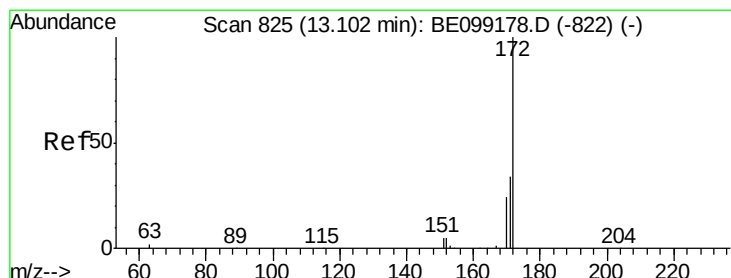
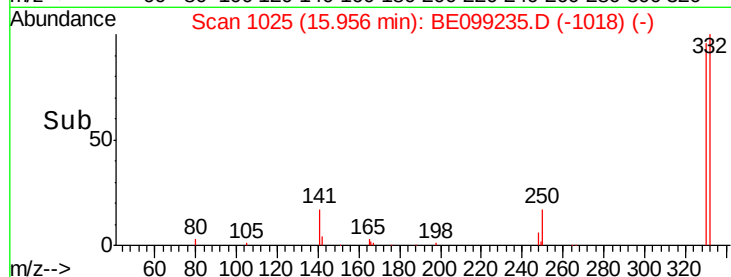
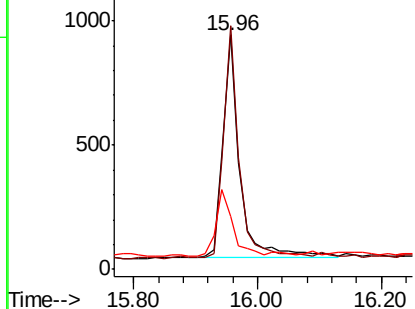
#14  
 2,4,6-Tribromophenol  
 Concen: 0.462 ng  
 RT: 15.96 min Scan# 1025  
 Delta R.T. -0.00 min  
 Lab File: BE099235.D  
 Acq: 27 Mar 2019 3:40

Instrument :  
 BNA\_E  
 ClientSampleId :  
 P006-TW001-01

Tgt Ion: 330 Resp: 1725  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 71.3 106.9  
 141 30.4 21.7 32.5

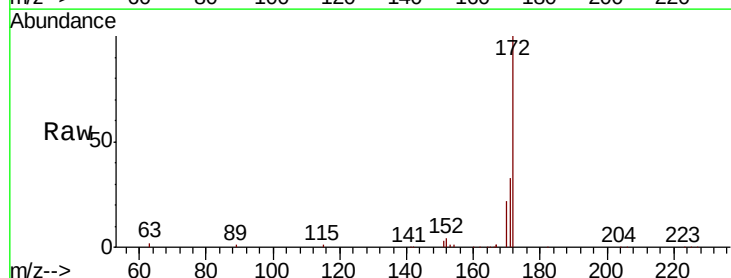


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

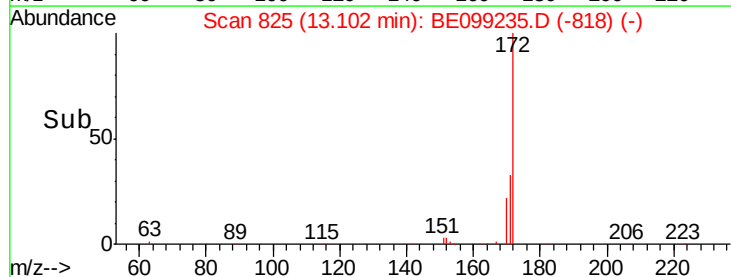
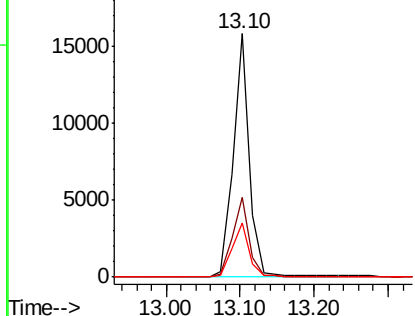


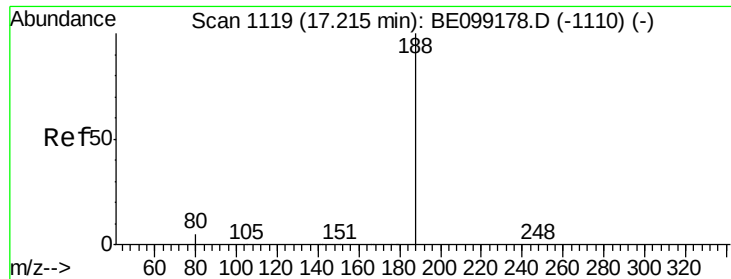
#15  
 2-Fluorobiphenyl  
 Concen: 0.446 ng  
 RT: 13.10 min Scan# 825  
 Delta R.T. 0.00 min  
 Lab File: BE099235.D  
 Acq: 27 Mar 2019 3:40

Tgt Ion: 172 Resp: 23616  
 Ion Ratio Lower Upper  
 172 100  
 171 33.0 27.4 41.0  
 170 22.4 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: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

Instrument :

BNA\_E

ClientSampleId :

P006-TW001-01

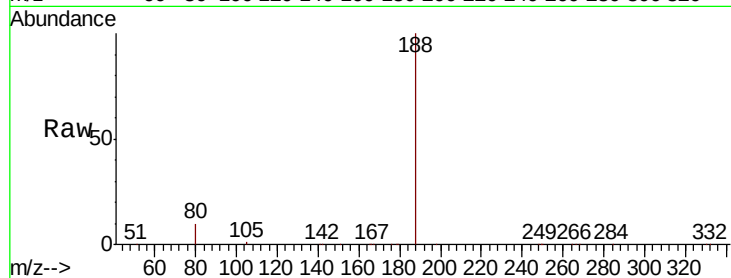
Tgt Ion:188 Resp: 38150

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

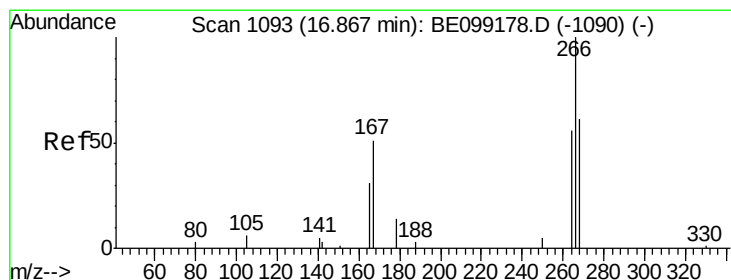
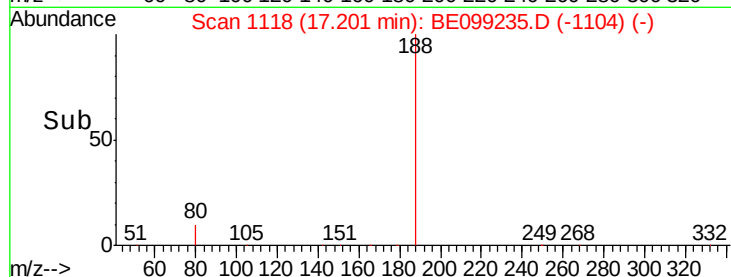
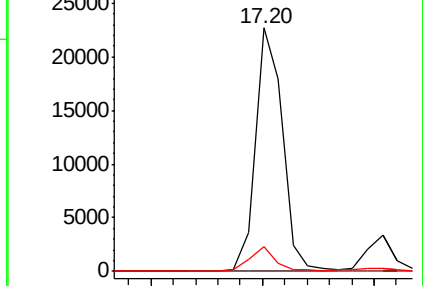
80 10.2 4.5 6.7#



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: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

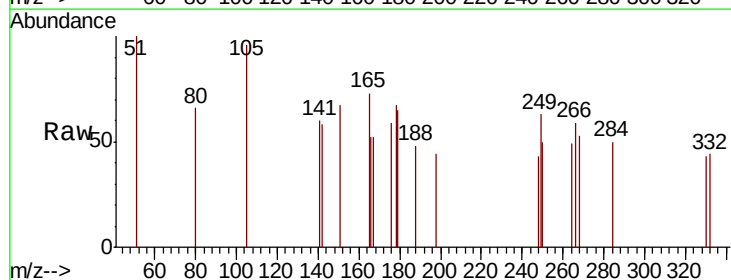
Tgt Ion:266 Resp: 39

Ion Ratio Lower Upper

266 100

264 81.8 54.4 81.6#

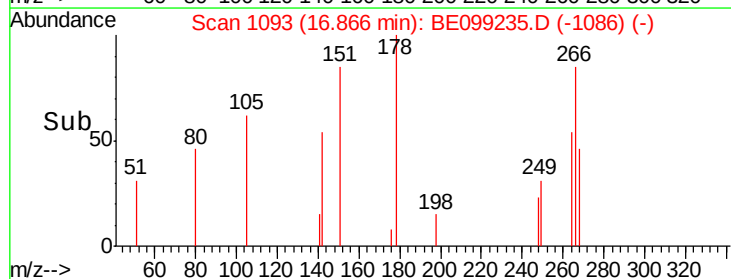
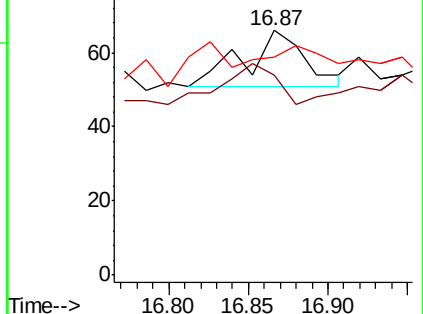
268 89.4 61.3 91.9



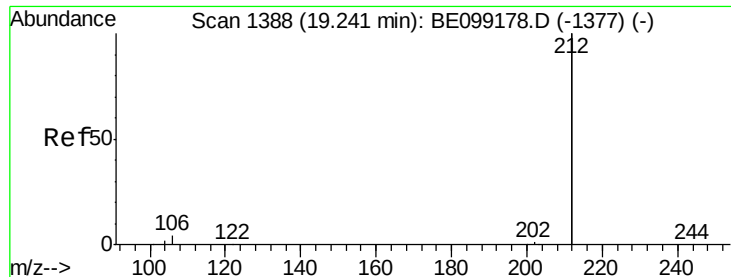
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E







#25

Fluoranthene-d10

Concen: 0.448 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

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P006-TW001-01

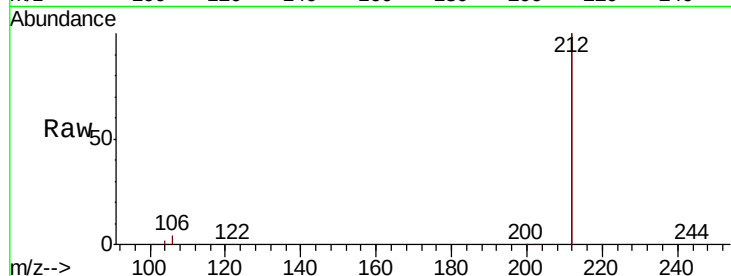
Tgt Ion:212 Resp: 207090

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

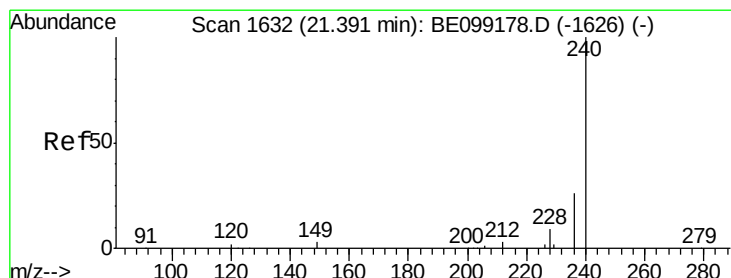
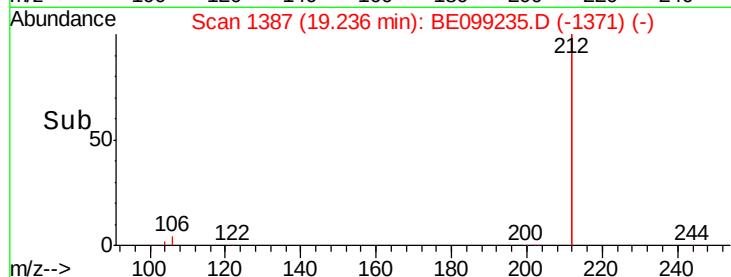
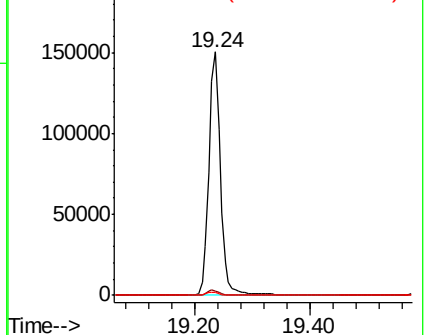
104 1.3 1.1 1.7



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: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

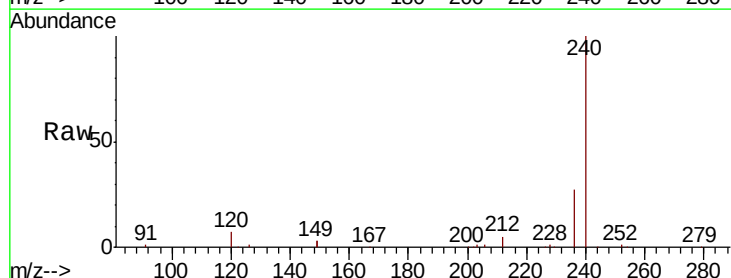
Tgt Ion:240 Resp: 41724

Ion Ratio Lower Upper

240 100

120 7.5 2.6 3.8#

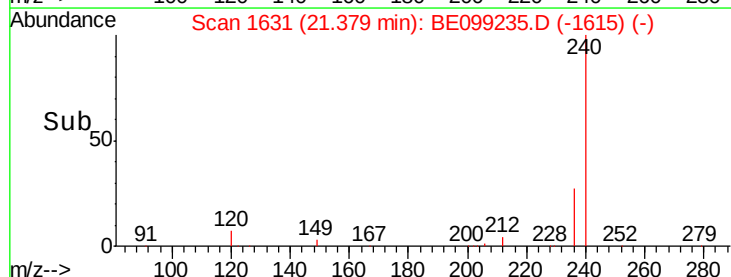
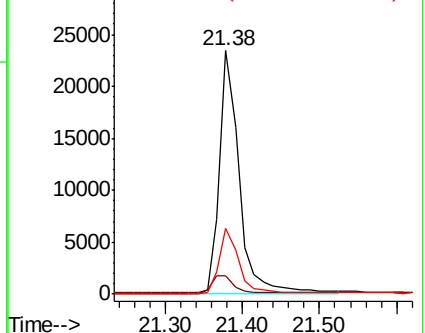
236 27.1 20.9 31.3

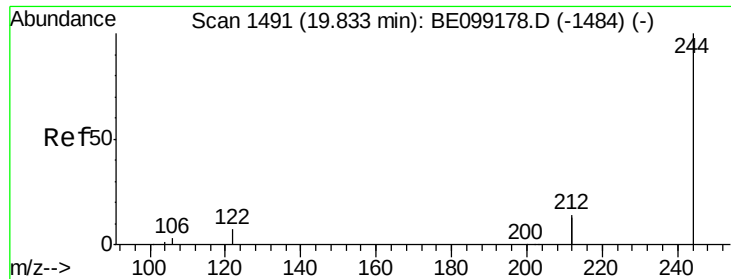


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.381 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

Instrument :

BNA\_E

ClientSampleId :

P006-TW001-01

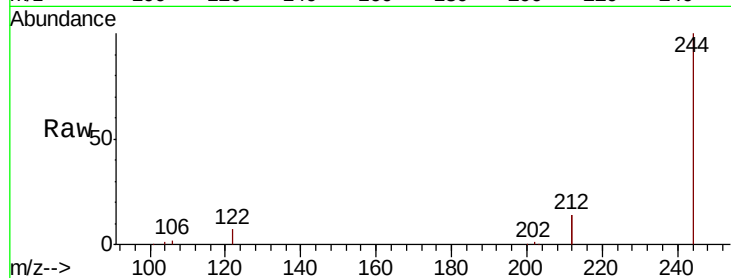
Tgt Ion:244 Resp: 34611

Ion Ratio Lower Upper

244 100

212 28.7 22.7 34.1

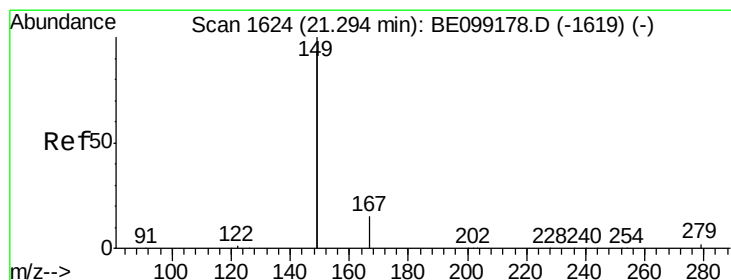
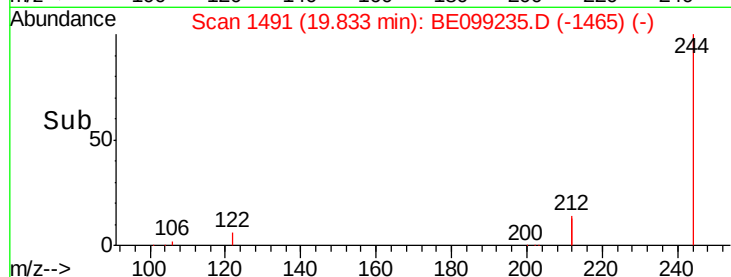
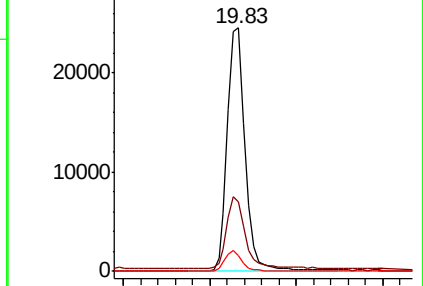
122 6.5 5.8 8.6



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: 0.023 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099235.D

Acq: 27 Mar 2019 3:40

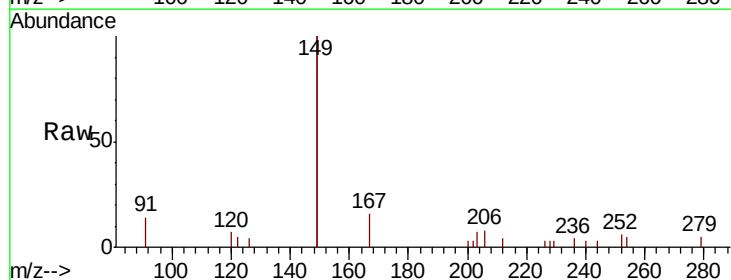
Tgt Ion:149 Resp: 3819

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

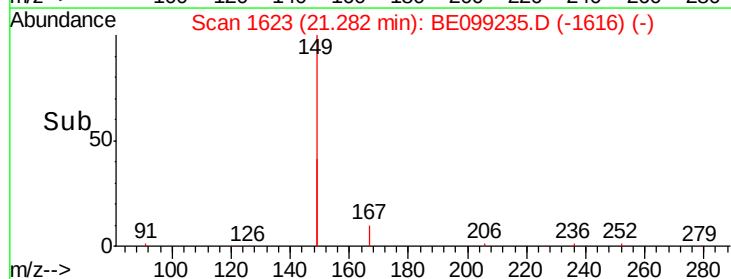
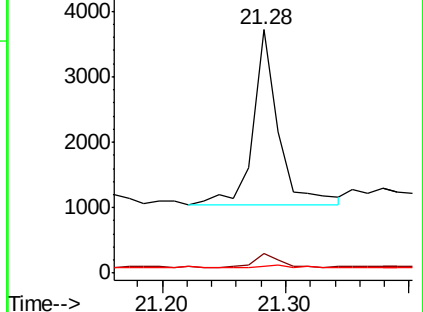
279 2.0 1.0 1.6#

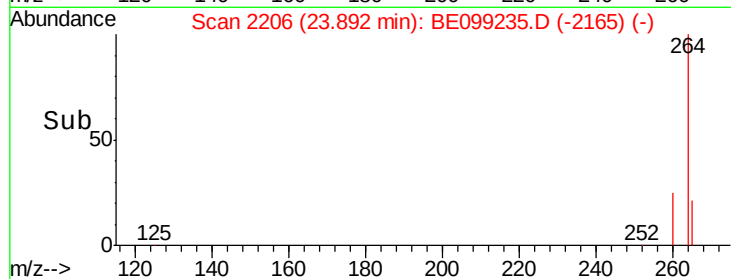
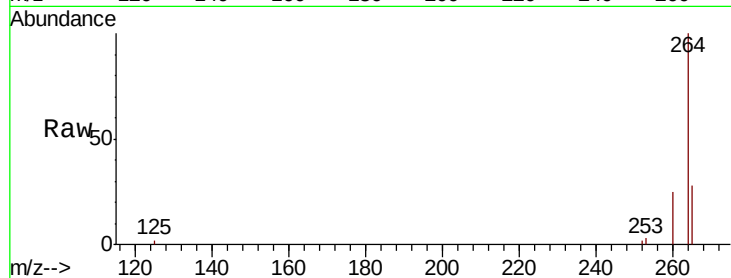
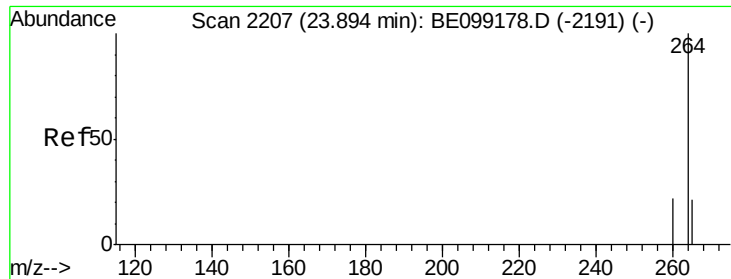


Abundance Ion 149.00 (148.70 to 149.70): E

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: BE099235.D

Acq: 27 Mar 2019 3:40

Instrument :

BNA\_E

ClientSampleId :

P006-TW001-01

Tgt Ion:264 Resp: 34361

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.2

265 28.2 21.8 32.8

