

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061219\  
 Data File : BE099956.D  
 Acq On : 12 Jun 2019 14:57  
 Operator : JU/SJ  
 Sample : K3255-21  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D1-20190605

Quant Time: Jun 13 14:47:23 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

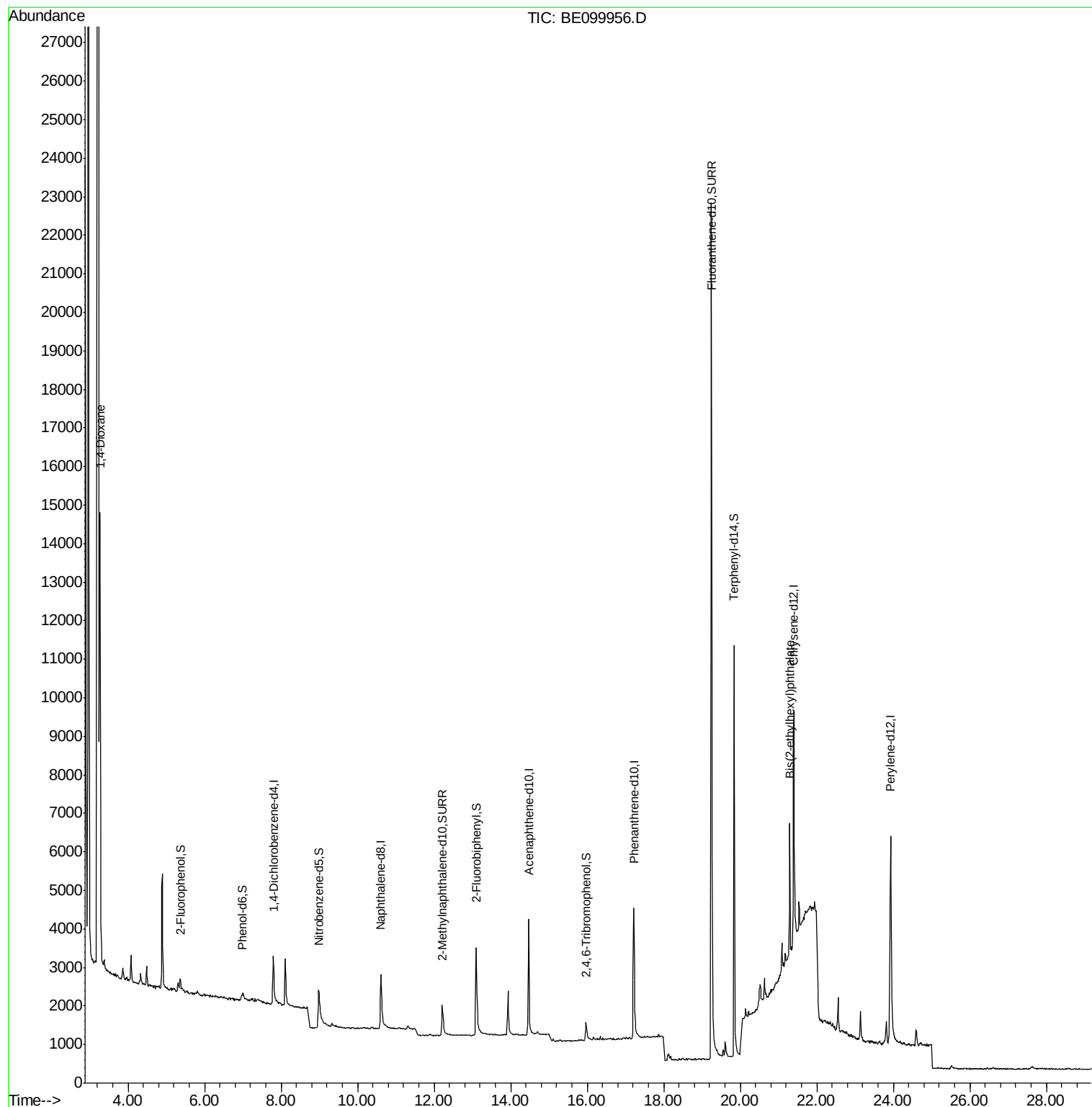
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.79  | 152  | 840      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.60 | 136  | 2944     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.47 | 164  | 2284     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.21 | 188  | 6809     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.40 | 240  | 9526     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.93 | 264  | 10642    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.36  | 112  | 374      | 0.16  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.97  | 99   | 263      | 0.09  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.98  | 82   | 1076     | 0.39  | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10    | 12.21 | 152  | 1856     | 0.36  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.97 | 330  | 503      | 0.30  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 4009     | 0.46  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.25 | 212  | 37367    | 0.38  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.84 | 244  | 10978    | 0.64  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.27  | 88   | 9716     | 7.815 | ng    | 94       |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 4415     | 0.108 | ng    | 98       |

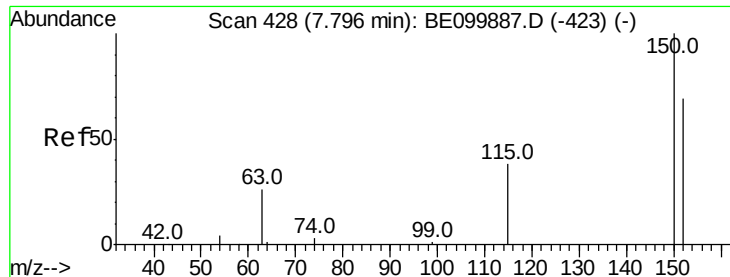
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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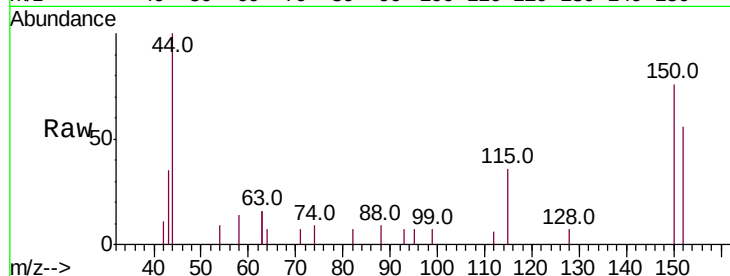


#1

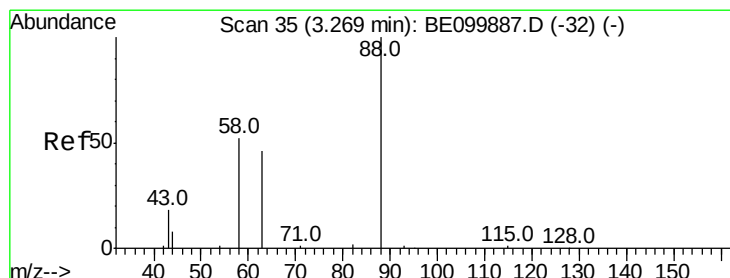
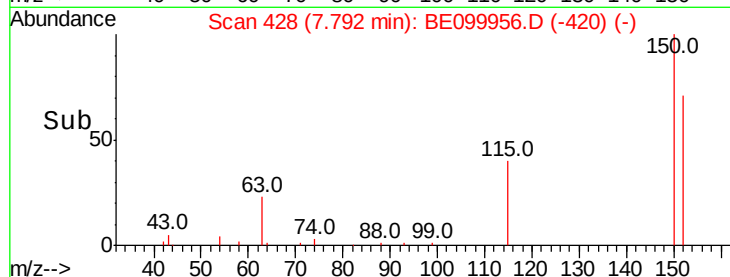
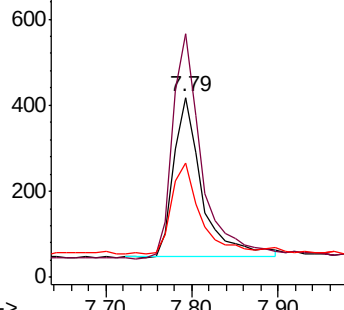
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.79 min Scan# 428  
 Delta R.T. -0.00 min  
 Lab File: BE099956.D  
 Acq: 12 Jun 2019 14:57

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D1-20190605

Tot Ion:152 Resp: 840  
 Ion Ratio Lower Upper  
 152 100  
 150 135.4 111.0 166.6  
 115 63.4 50.7 76.1



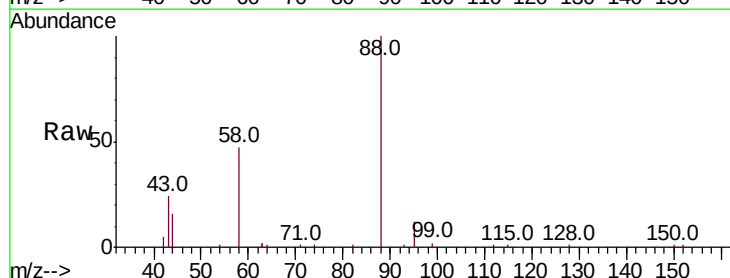
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



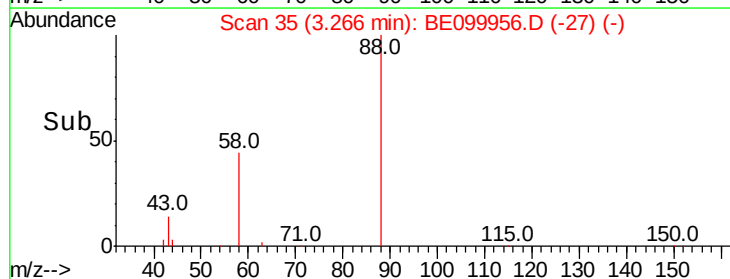
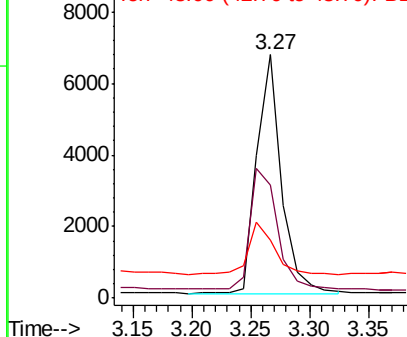
#2

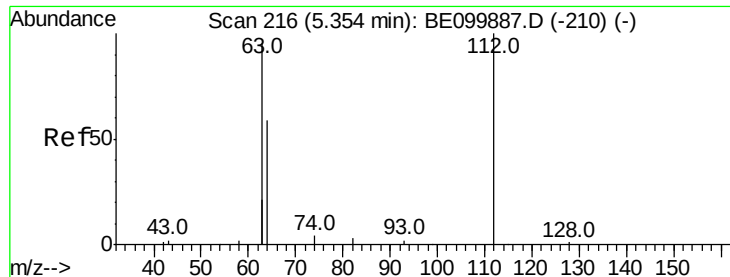
1,4-Dioxane  
 Concen: 7.815 ng  
 RT: 3.27 min Scan# 35  
 Delta R.T. -0.00 min  
 Lab File: BE099956.D  
 Acq: 12 Jun 2019 14:57

Tgt Ion: 88 Resp: 9716  
 Ion Ratio Lower Upper  
 88 100  
 58 55.7 48.8 73.2  
 43 22.8 19.0 28.6



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





#4

2-Fluorophenol

Concen: 0.165 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

RE103D1-20190605

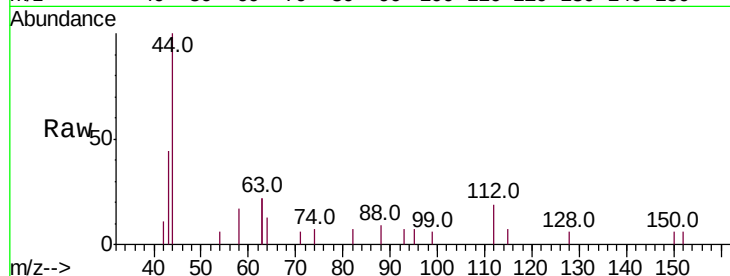
Tot Ion:112 Resp: 374

Ion Ratio Lower Upper

112 100

64 50.5 44.1 66.1

63 108.0 87.8 131.6



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

500

400

300

200

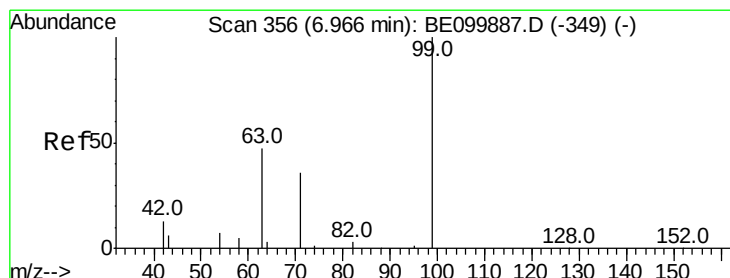
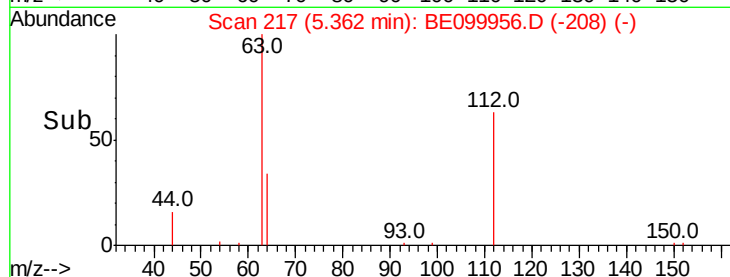
100

0

5.20 5.30 5.40 5.50 5.60

5.36

Time-->



#5

Phenol-d6

Concen: 0.090 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

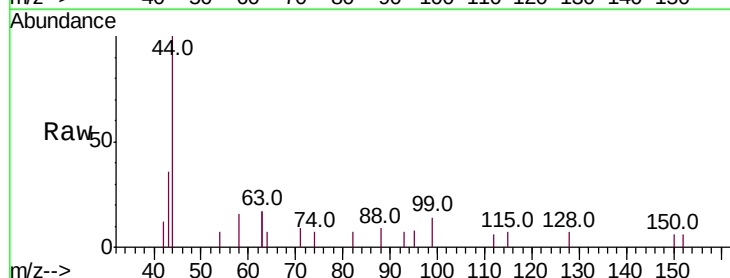
Tgt Ion: 99 Resp: 263

Ion Ratio Lower Upper

99 100

42 16.7 15.9 23.9

71 54.0 34.6 52.0#



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

100

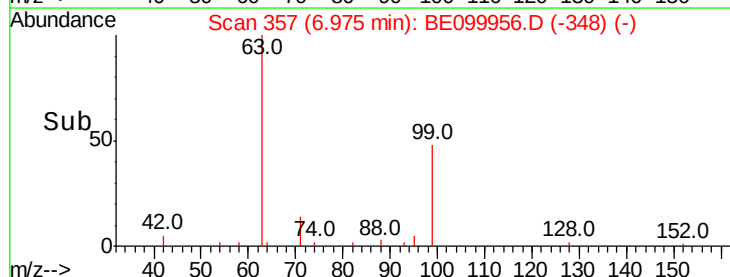
50

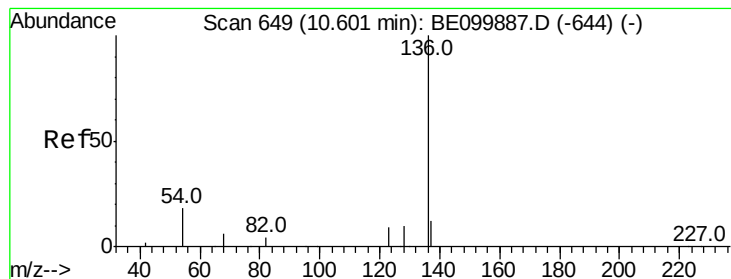
0

6.80 6.90 7.00 7.10

6.97

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

RE103D1-20190605

Tot Ion:136 Resp: 2944

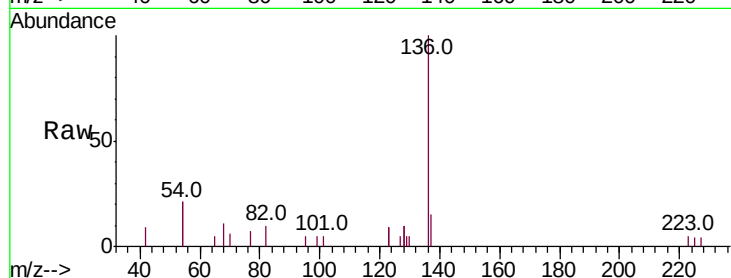
Ion Ratio Lower Upper

136 100

137 14.8 12.3 18.5

54 42.1 28.2 42.4

68 10.8 7.8 11.8

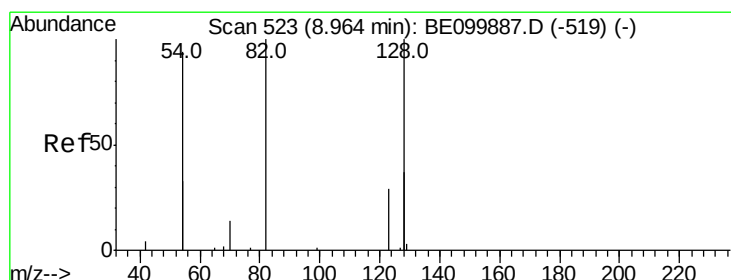
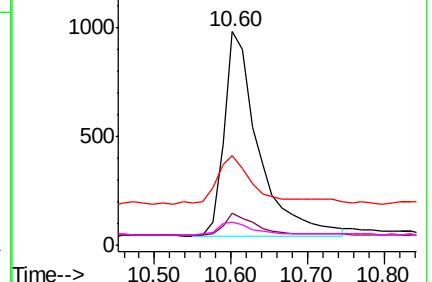
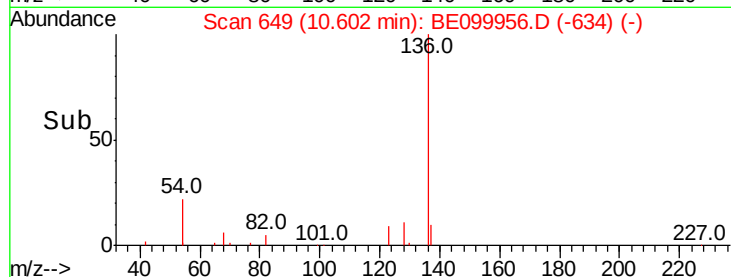


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.386 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

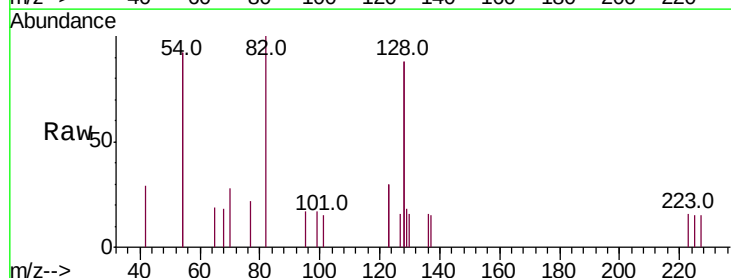
Tgt Ion: 82 Resp: 1076

Ion Ratio Lower Upper

82 100

128 176.4 137.3 205.9

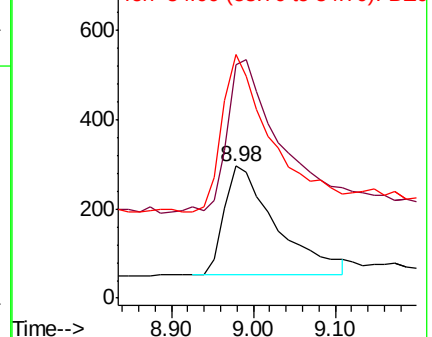
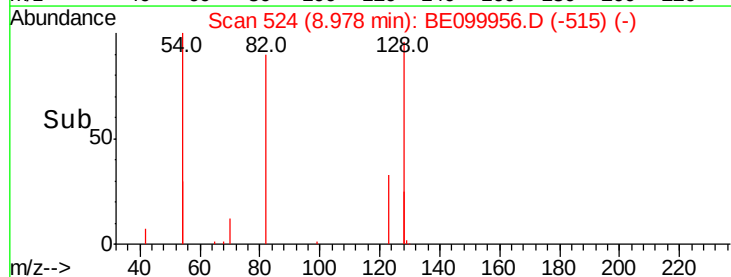
54 184.5 129.7 194.5

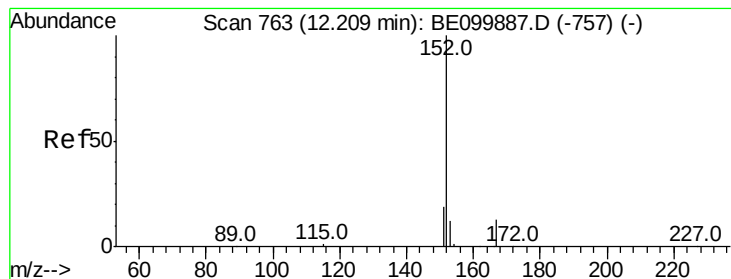


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.362 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

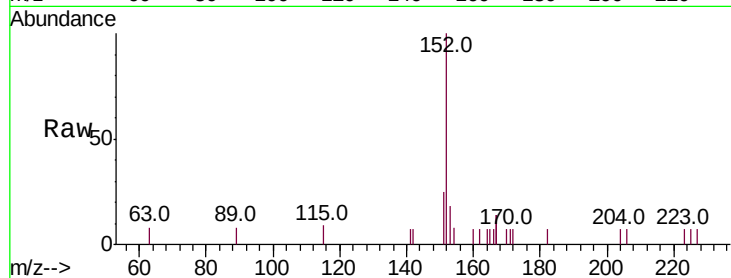
RE103D1-20190605

Tot Ion:152 Resp: 1856

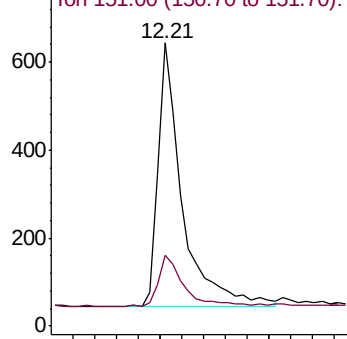
Ion Ratio Lower Upper

152 100

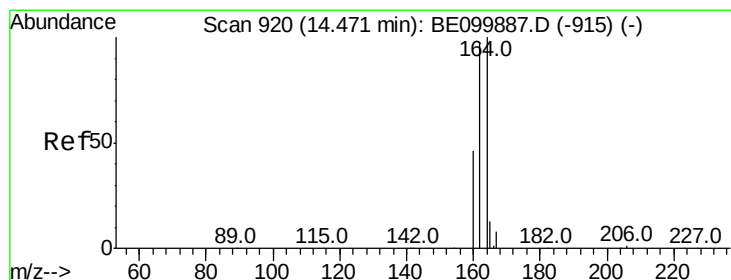
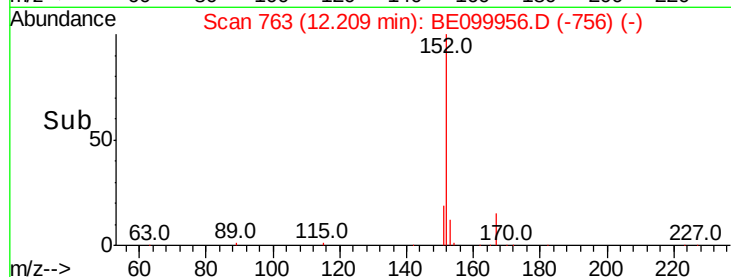
151 20.3 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

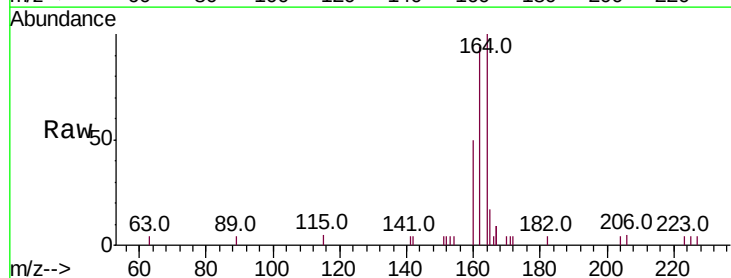
Tgt Ion:164 Resp: 2284

Ion Ratio Lower Upper

164 100

162 94.2 77.8 116.8

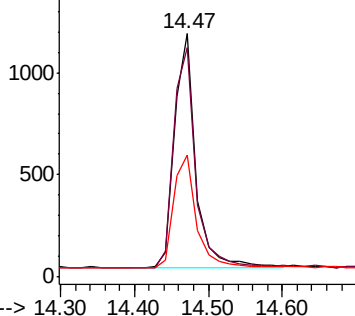
160 50.2 38.2 57.4



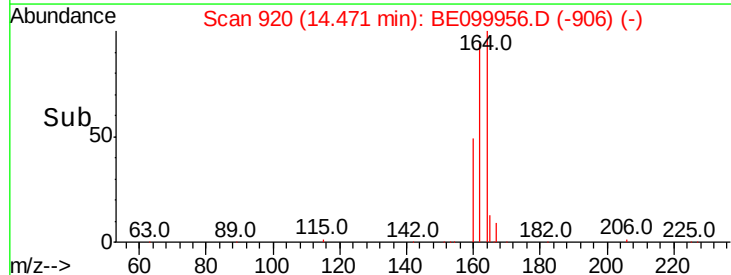
Abundance Ion 164.00 (163.70 to 164.70): E

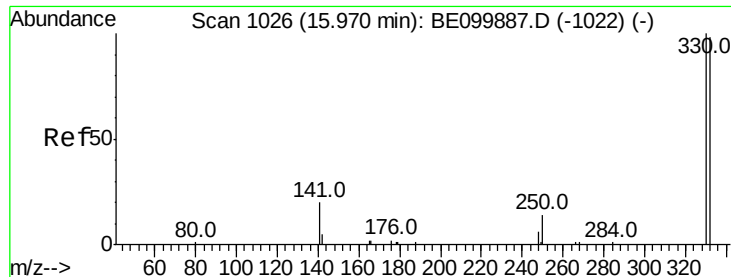
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->





#14

2,4,6-Tribromophenol

Concen: 0.298 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

RE103D1-20190605

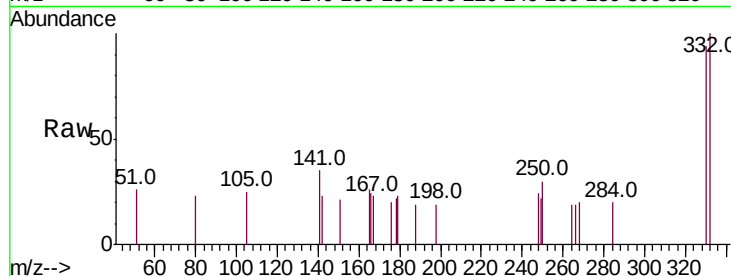
Tot Ion:330 Resp: 503

Ion Ratio Lower Upper

330 100

332 101.8 76.7 115.1

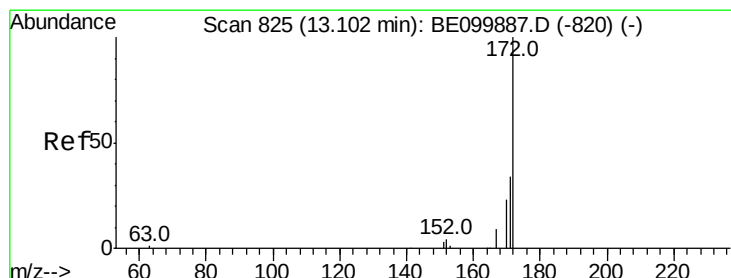
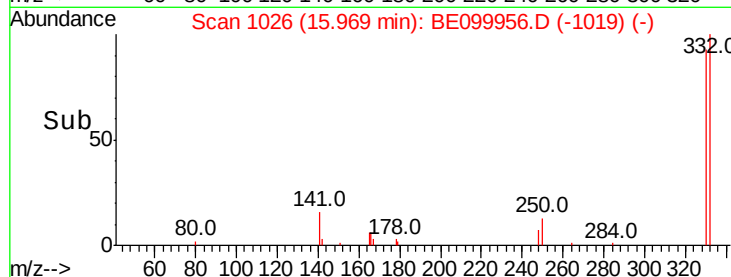
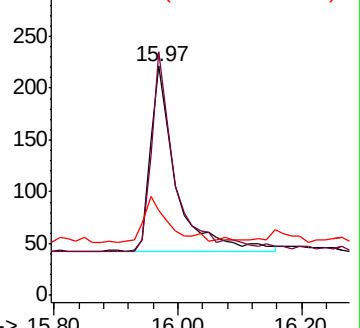
141 24.7 21.0 31.6



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: 0.463 ng

RT: 13.10 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

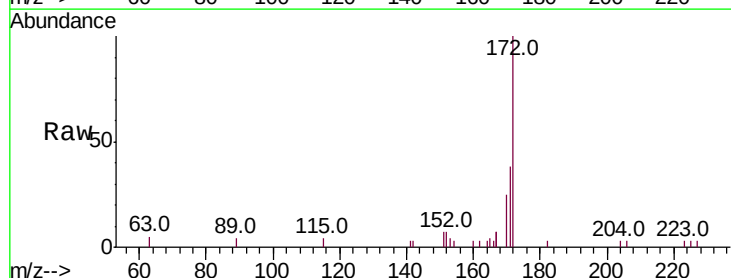
Tgt Ion:172 Resp: 4009

Ion Ratio Lower Upper

172 100

171 37.7 29.2 43.8

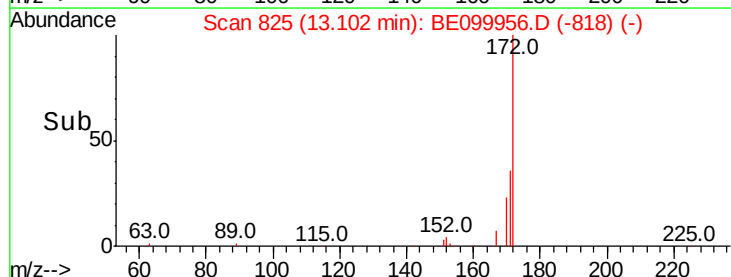
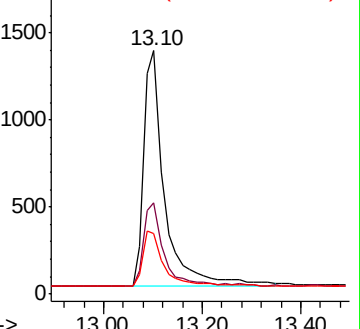
170 25.0 21.2 31.8

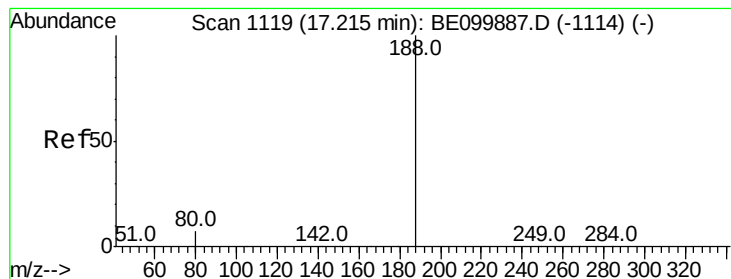


Abundance Ion 172.00 (171.70 to 172.70): E

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. -0.00 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

RE103D1-20190605

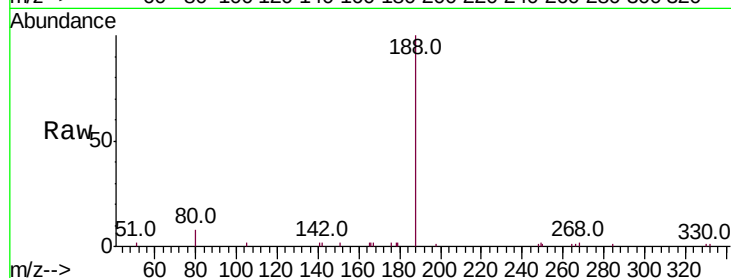
Tot Ion:188 Resp: 6809

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

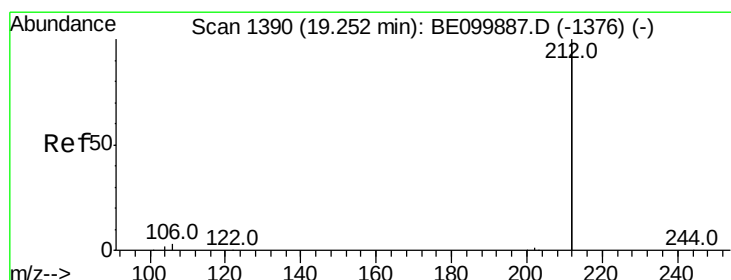
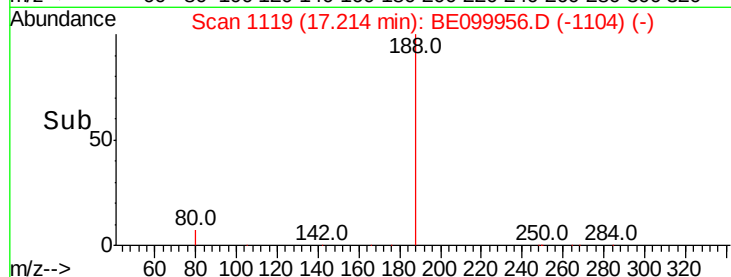
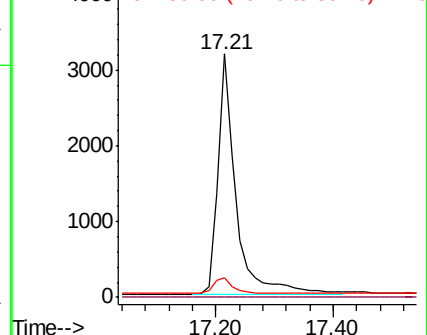
80 8.2 6.4 9.6



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



#25

Fluoranthene-d10

Concen: 0.377 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

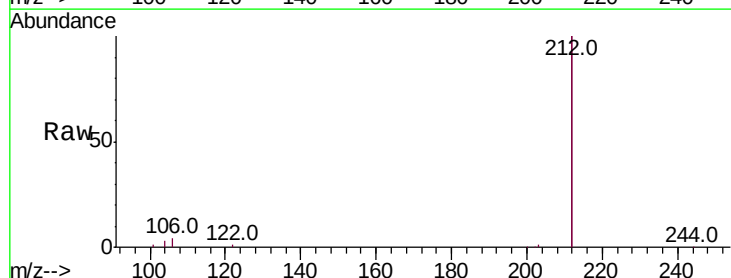
Tgt Ion:212 Resp: 37367

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

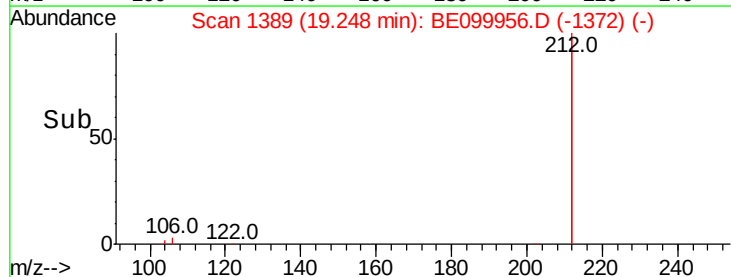
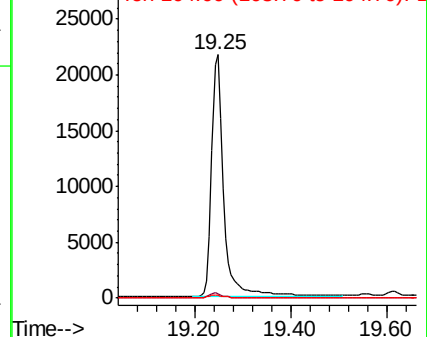
104 1.1 0.9 1.3



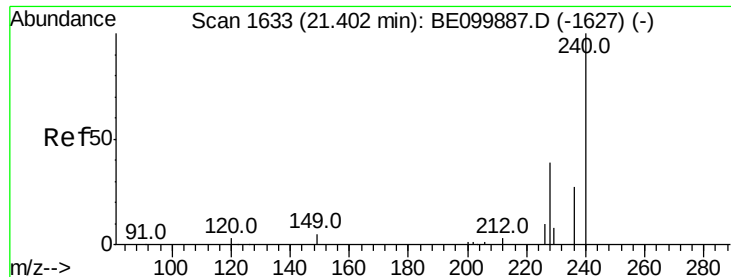
Abundance Ion 212.00 (211.70 to 212.70): E

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: BE099956.D

Acq: 12 Jun 2019 14:57

Instrument :

BNA\_E

ClientSampleId :

RE103D1-20190605

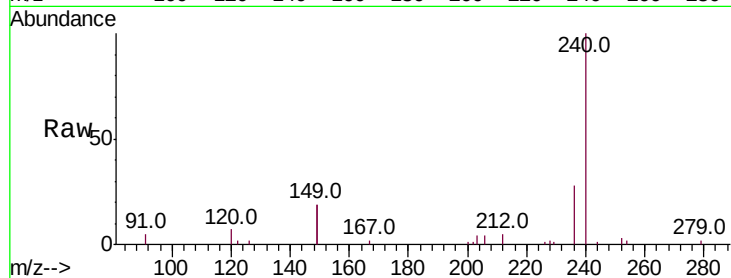
Tot Ion:240 Resp: 9526

Ion Ratio Lower Upper

240 100

120 7.3 3.8 5.6#

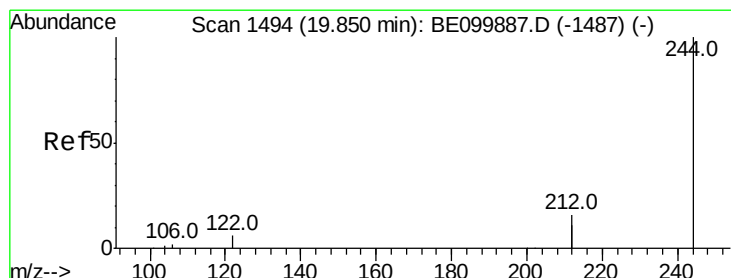
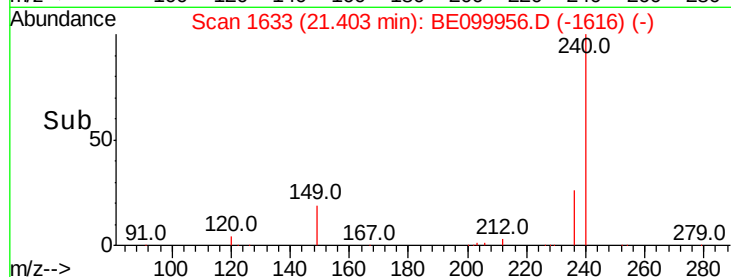
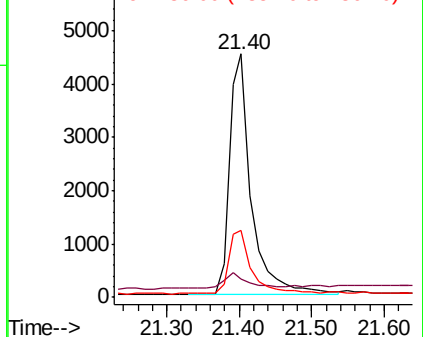
236 27.7 22.0 33.0



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: 0.640 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE099956.D

Acq: 12 Jun 2019 14:57

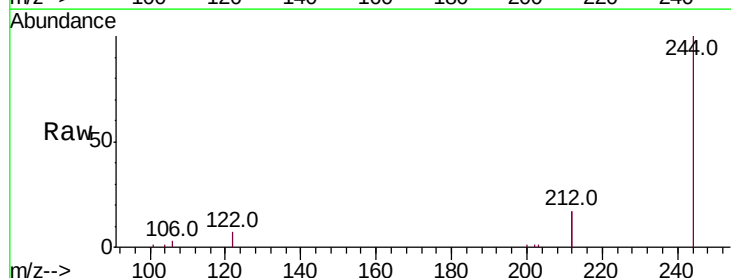
Tgt Ion:244 Resp: 10978

Ion Ratio Lower Upper

244 100

212 33.2 25.7 38.5

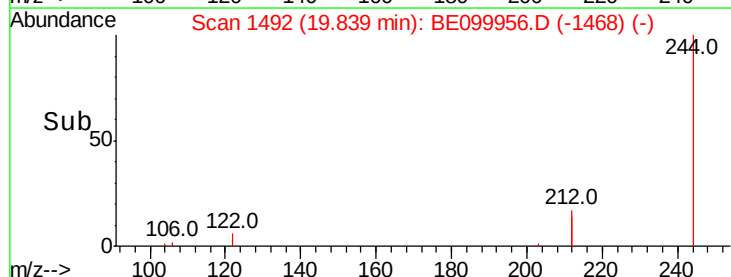
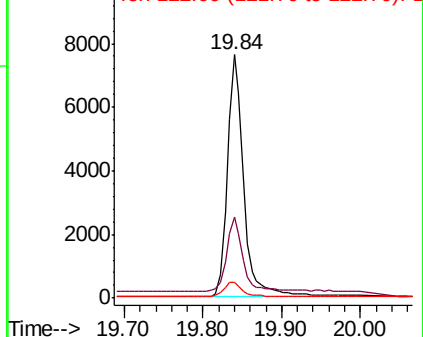
122 6.7 5.5 8.3

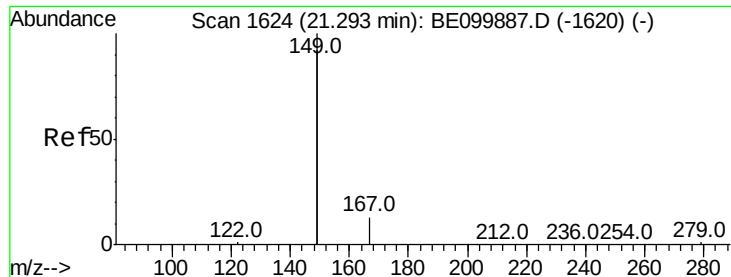


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

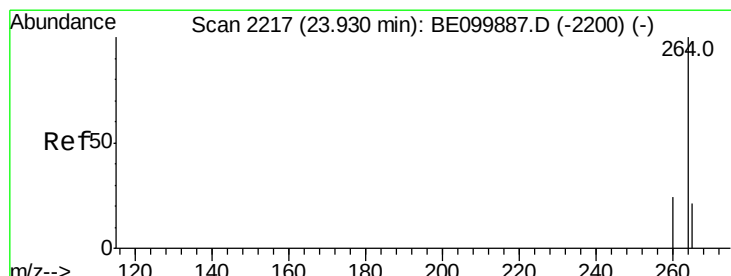
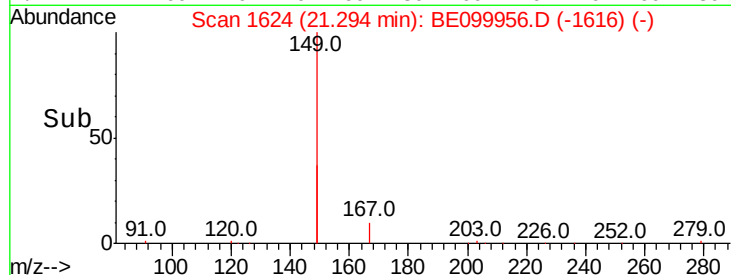
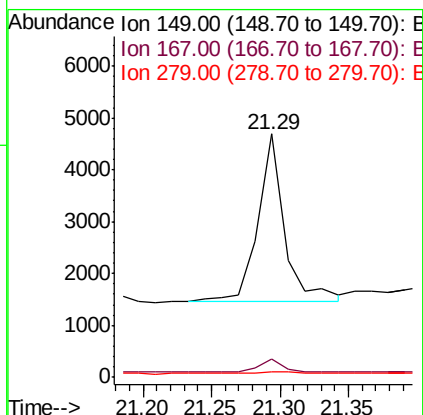
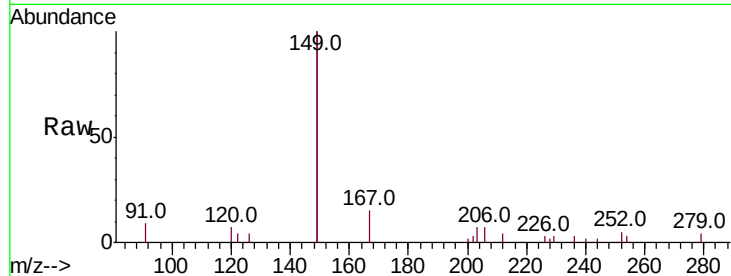




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.108 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. 0.00 min  
 Lab File: BE099956.D  
 Acq: 12 Jun 2019 14:57

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE103D1-20190605

Tot Ion:149 Resp: 4415  
 Ion Ratio Lower Upper  
 149 100  
 167 6.7 5.9 8.9  
 279 1.6 1.2 1.8



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.93 min Scan# 2216  
 Delta R.T. -0.00 min  
 Lab File: BE099956.D  
 Acq: 12 Jun 2019 14:57

Tgt Ion:264 Resp: 10642  
 Ion Ratio Lower Upper  
 264 100  
 260 26.5 20.2 30.2  
 265 32.4 22.0 33.0

