

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102319\  
 Data File : BE100672.D  
 Acq On : 23 Oct 2019 21:34  
 Operator : JU  
 Sample : K5486-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Oct 24 01:34:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 23 16:49:33 2019  
 Response via : Initial Calibration

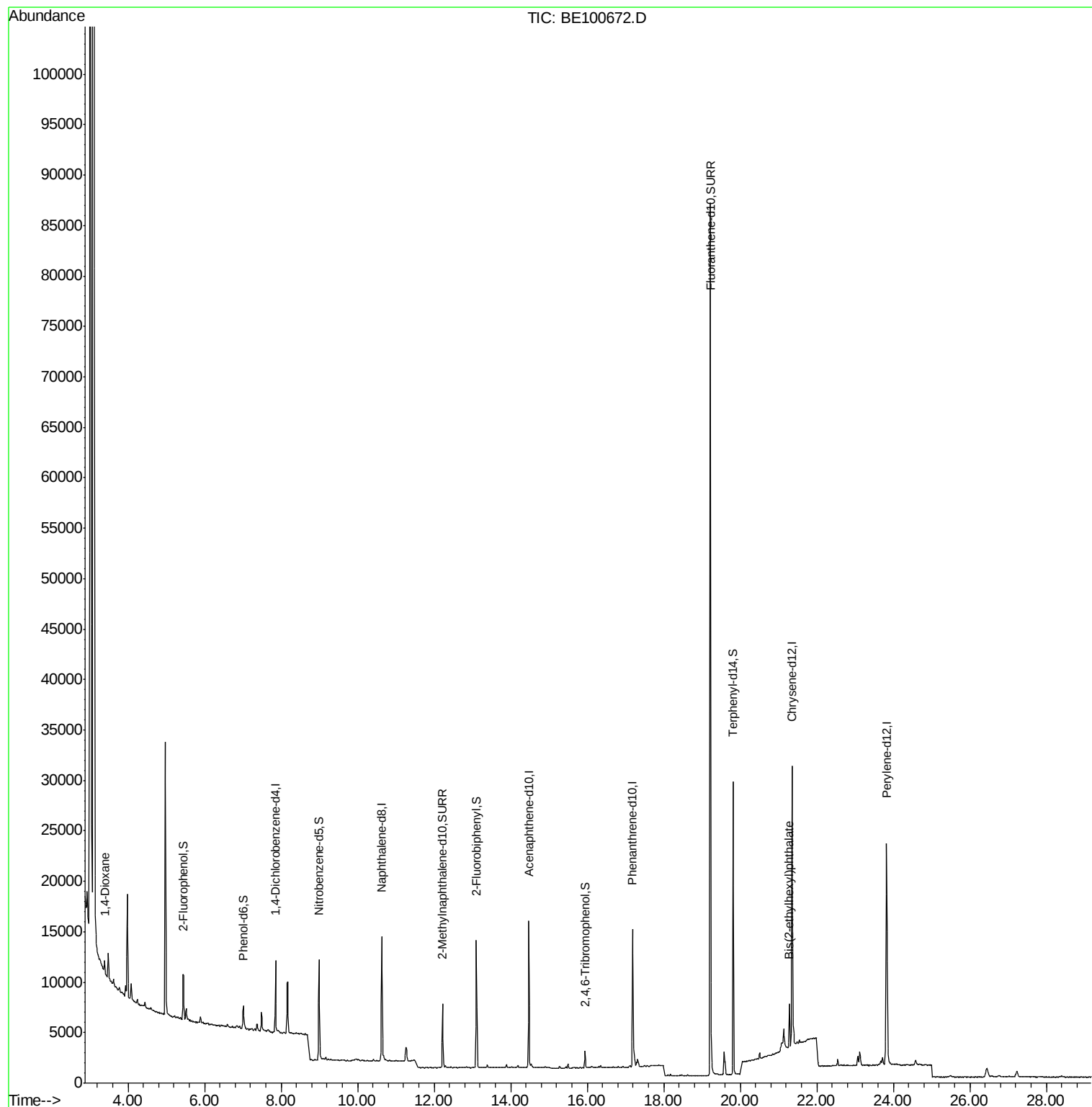
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.85  | 152  | 3552     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.63 | 136  | 14380    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.47 | 164  | 8634     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.19 | 188  | 21338    | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.35 | 240  | 29208    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.83 | 264  | 33478    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.45  | 112  | 2508     | 0.23  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.01  | 99   | 2285     | 0.15  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.99  | 82   | 4071     | 0.46  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.22 | 152  | 8191     | 0.36  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.94 | 330  | 976      | 0.43  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 11770    | 0.37  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.22 | 212  | 115754   | 0.42  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.82 | 244  | 24814    | 0.39  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.38  | 88   | 856      | 0.135 | ng    | # 31     |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 6010     | 0.030 | ng    | # 99     |

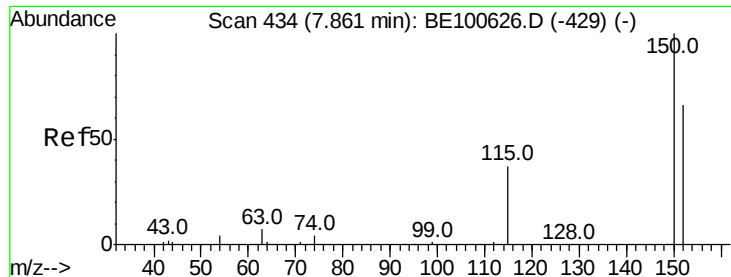
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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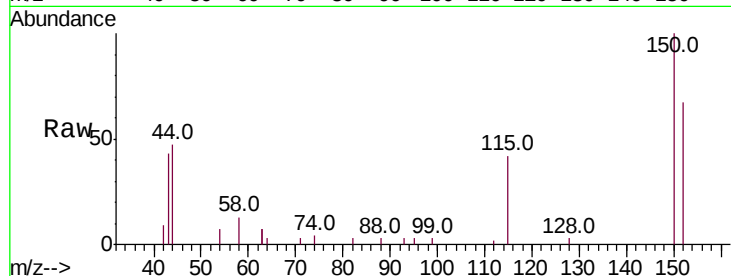


#1

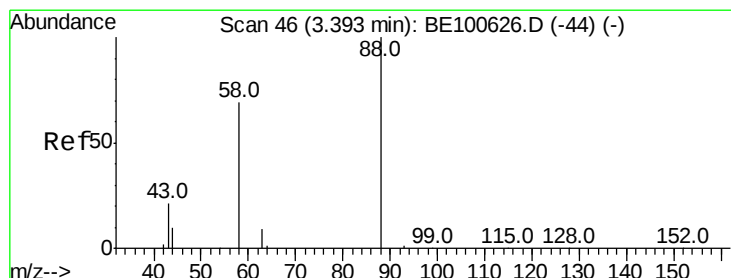
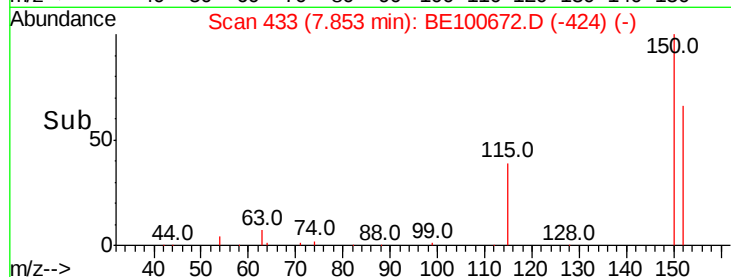
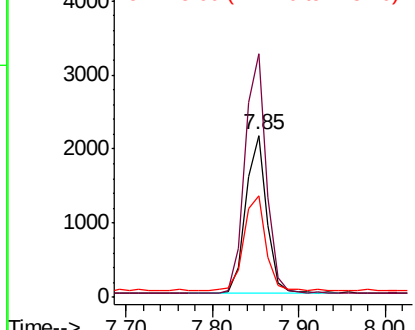
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.85 min Scan# 433  
Delta R.T. 0.00 min  
Lab File: BE100672.D  
Acq: 23 Oct 2019 21:34

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 3552  
Ion Ratio Lower Upper  
152 100  
150 150.2 123.3 184.9  
115 62.5 51.9 77.9



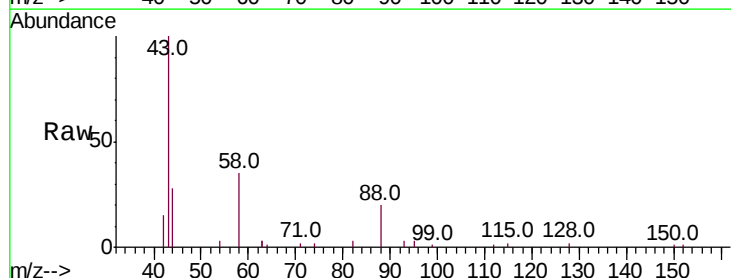
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



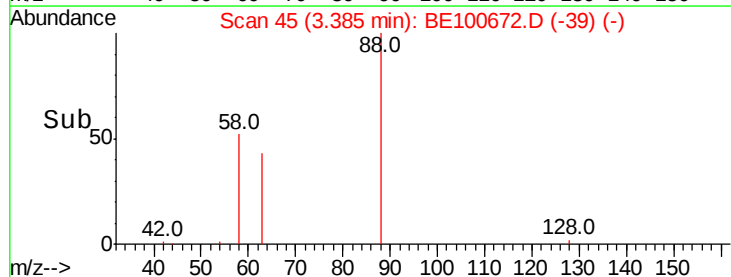
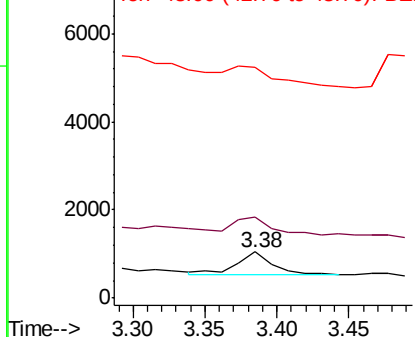
#2

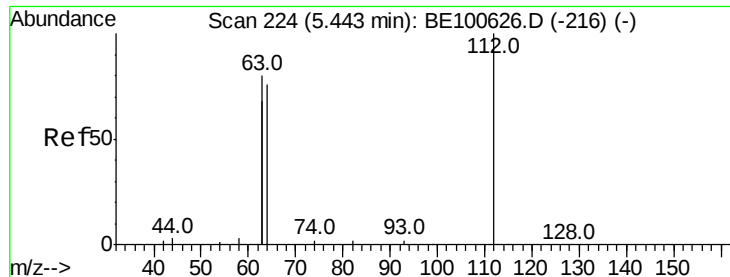
1,4-Dioxane  
Concen: 0.135 ng  
RT: 3.38 min Scan# 45  
Delta R.T. 0.00 min  
Lab File: BE100672.D  
Acq: 23 Oct 2019 21:34

Tgt Ion: 88 Resp: 856  
Ion Ratio Lower Upper  
88 100  
58 85.9 59.8 89.6  
43 143.1 24.6 36.8#



Abundance Ion 88.00 (87.70 to 88.70): BE1  
Ion 58.00 (57.70 to 58.70): BE1  
Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.229 ng

RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100672.D

Acq: 23 Oct 2019 21:34

Instrument :

BNA\_E

ClientSampleId :

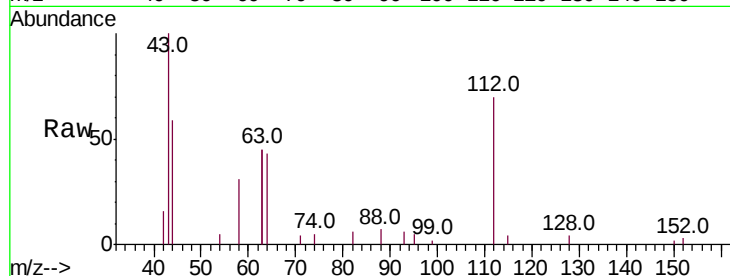
Tot Ion: 112 Resp: 2508

Ion Ratio Lower Upper

112 100

64 70.1 55.4 83.2

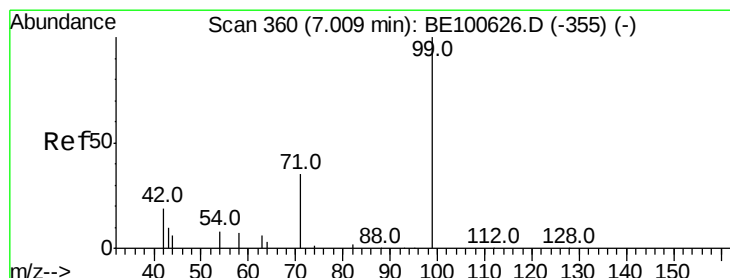
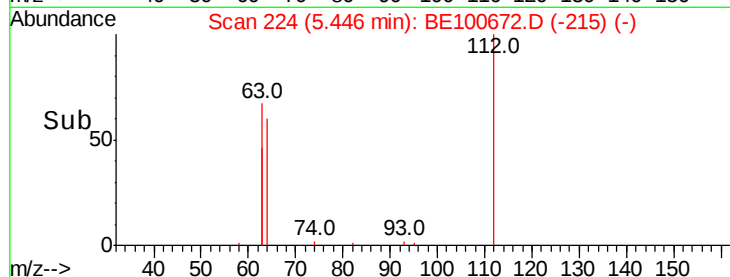
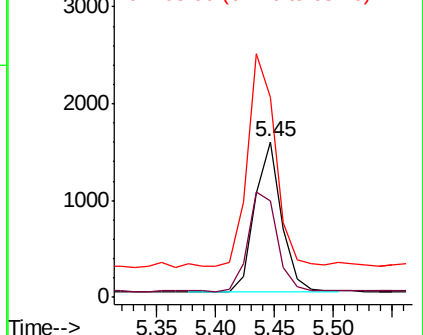
63 143.2 114.2 171.4



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.148 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100672.D

Acq: 23 Oct 2019 21:34

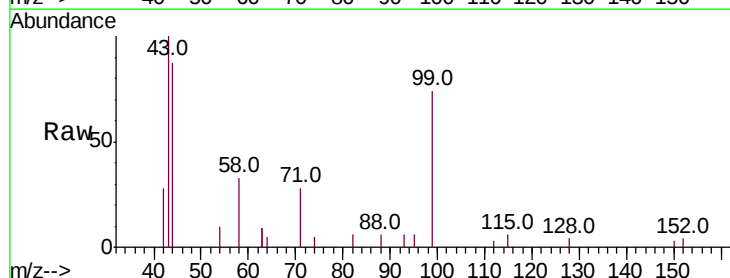
Tgt Ion: 99 Resp: 2285

Ion Ratio Lower Upper

99 100

42 20.1 17.7 26.5

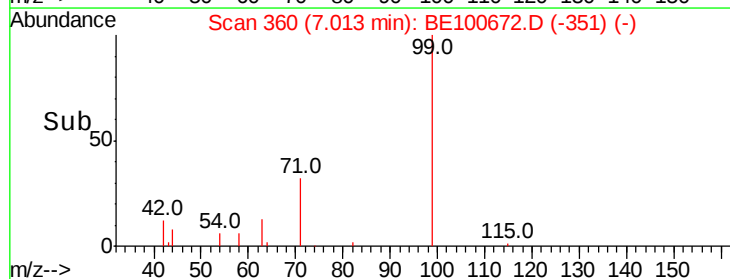
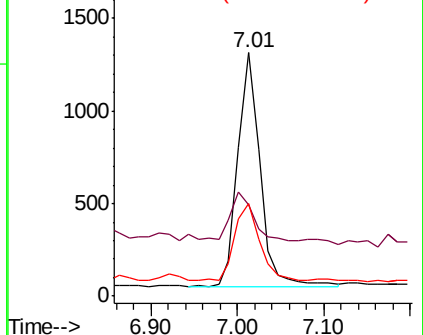
71 36.1 27.4 41.0

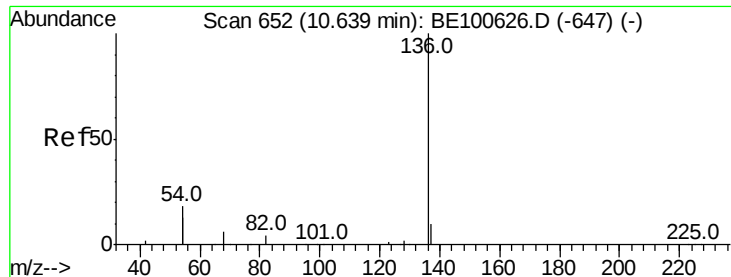


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100672.D

Acq: 23 Oct 2019 21:34

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 14380

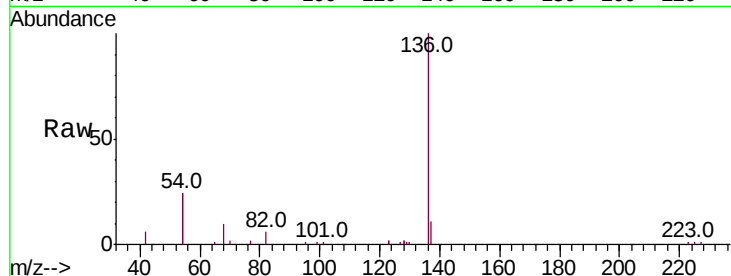
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 48.1 39.4 59.2

68 9.7 8.0 12.0

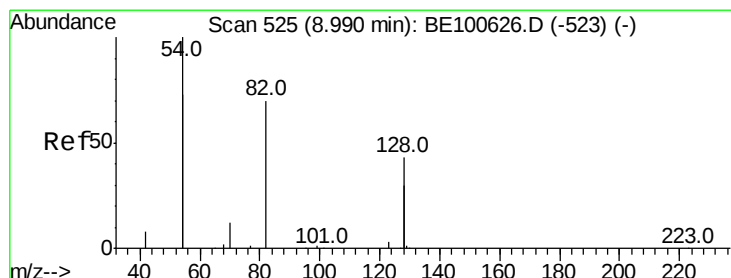
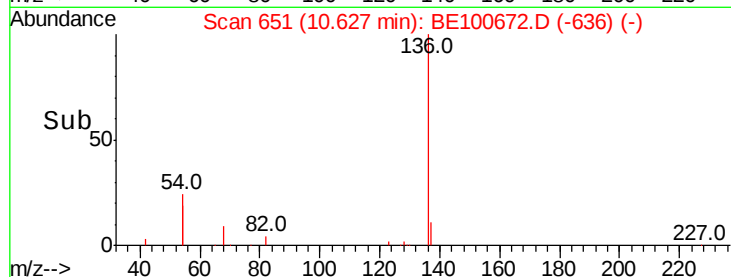
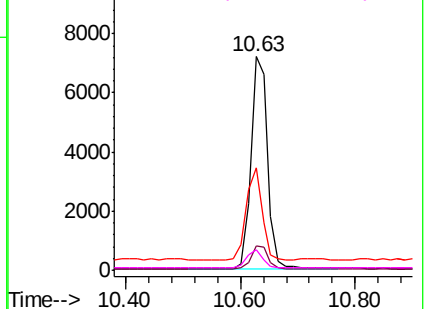


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.457 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100672.D

Acq: 23 Oct 2019 21:34

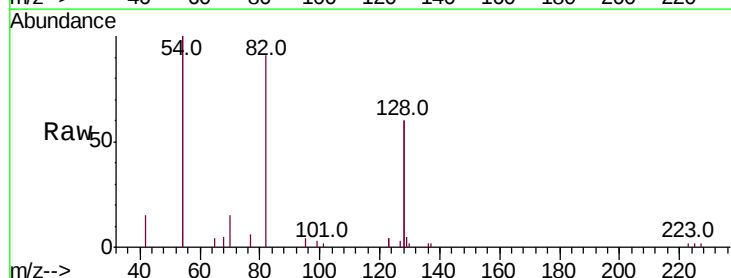
Tgt Ion: 82 Resp: 4071

Ion Ratio Lower Upper

82 100

128 131.2 107.8 161.8

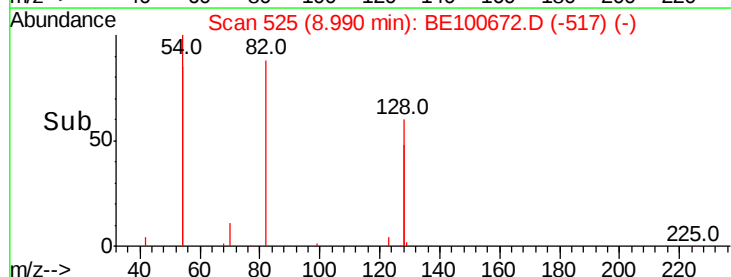
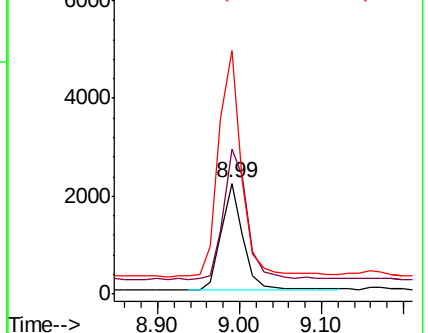
54 219.6 166.1 249.1

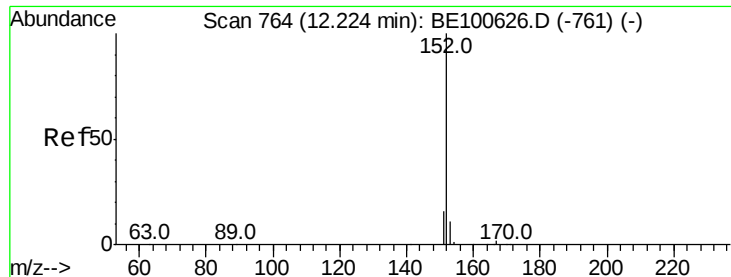


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.361 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE100672.D

Acq: 23 Oct 2019 21:34

Instrument :

BNA\_E

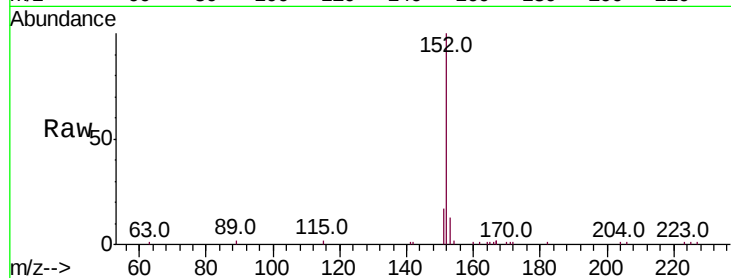
ClientSampled :

Tot Ion:152 Resp: 8191

Ion Ratio Lower Upper

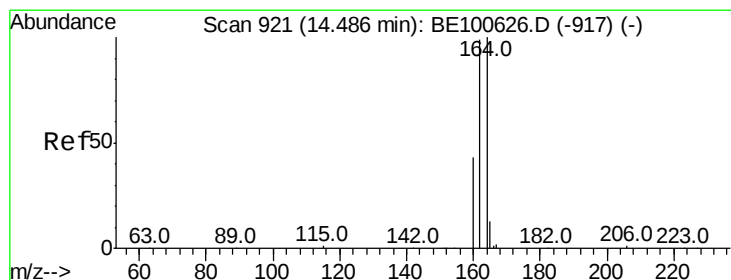
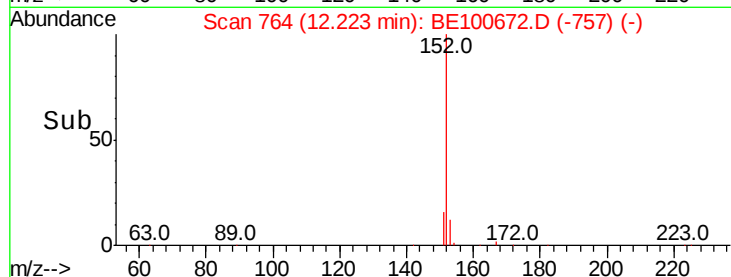
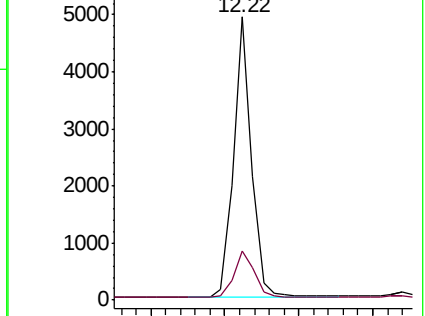
152 100

151 19.5 14.7 22.1



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. -0.00 min

Lab File: BE100672.D

Acq: 23 Oct 2019 21:34

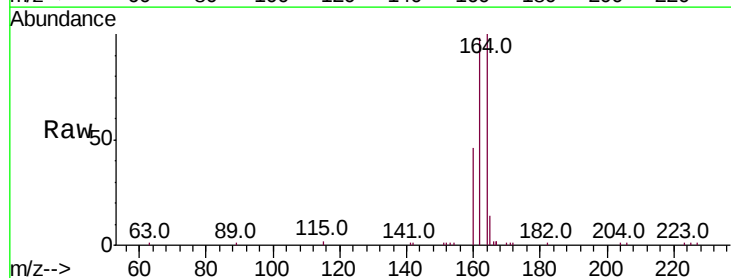
Tgt Ion:164 Resp: 8634

Ion Ratio Lower Upper

164 100

162 97.9 82.0 123.0

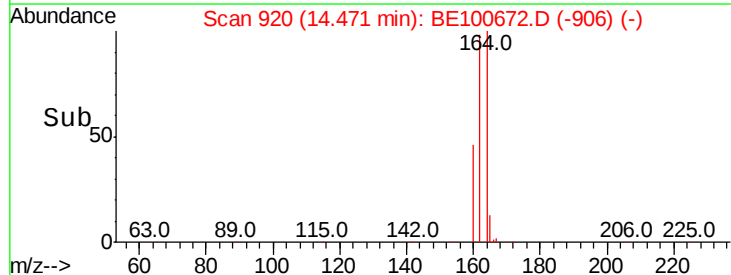
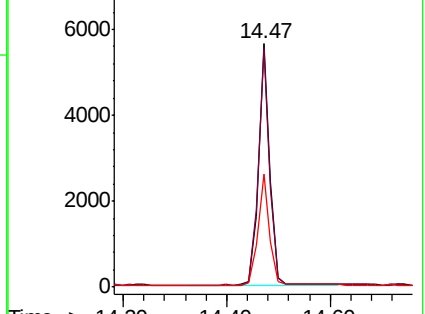
160 46.2 37.5 56.3

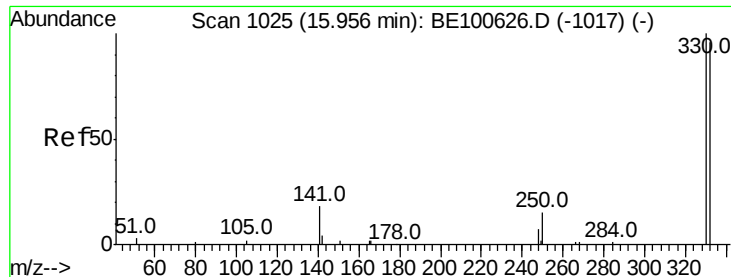


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

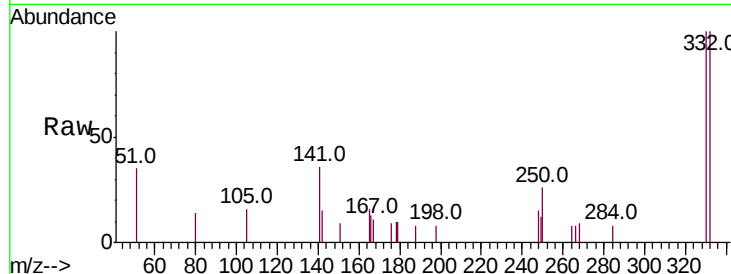




#14  
 2,4,6-Tribromophenol  
 Concen: 0.428 ng  
 RT: 15.94 min Scan# 1024  
 Delta R.T. 0.00 min  
 Lab File: BE100672.D  
 Acq: 23 Oct 2019 21:34

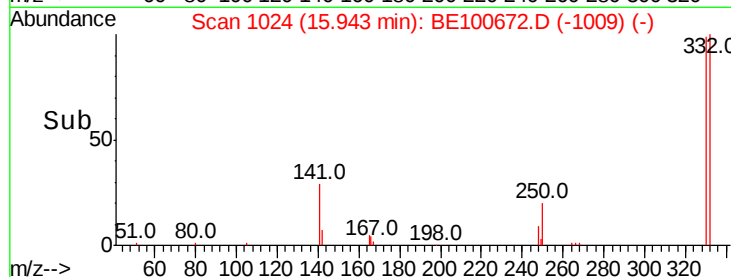
Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:330 Resp: 976  
 Ion Ratio Lower Upper  
 330 100  
 332 101.0 77.9 116.9  
 141 44.6 33.0 49.6

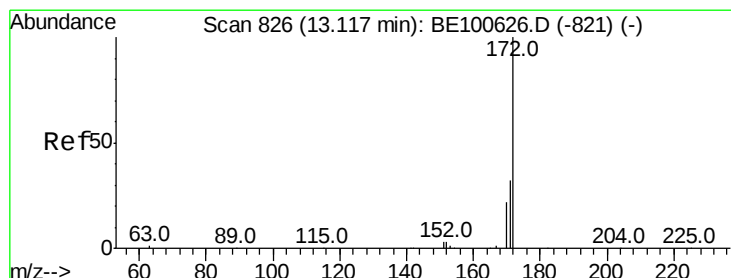


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

15.94

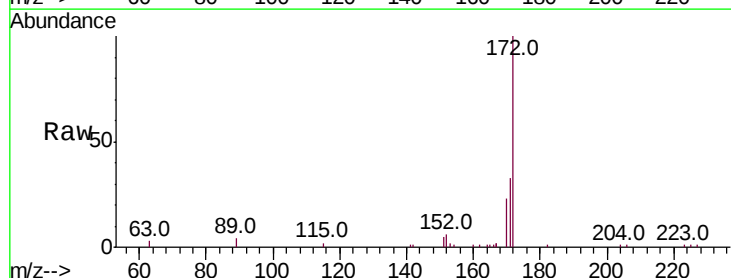


Time-->



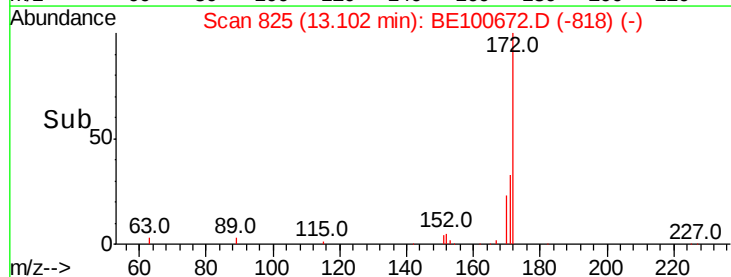
#15  
 2-Fluorobiphenyl  
 Concen: 0.374 ng  
 RT: 13.10 min Scan# 825  
 Delta R.T. -0.00 min  
 Lab File: BE100672.D  
 Acq: 23 Oct 2019 21:34

Tgt Ion:172 Resp: 11770  
 Ion Ratio Lower Upper  
 172 100  
 171 33.3 26.5 39.7  
 170 23.3 19.0 28.4

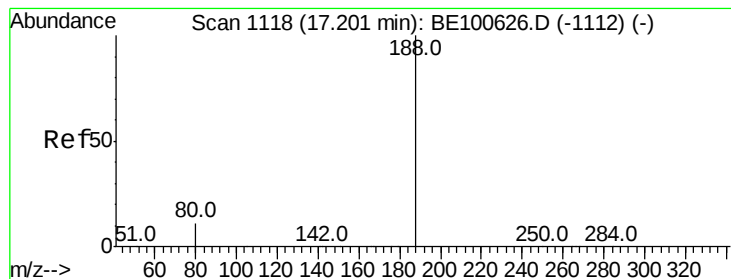


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

13.10



Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100672.D

Acq: 23 Oct 2019 21:34

Instrument :

BNA\_E

ClientSampleId :

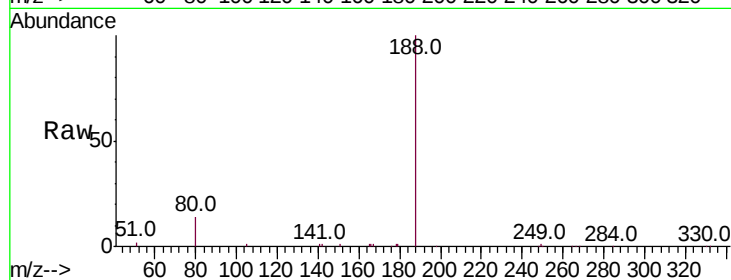
Tot Ion:188 Resp: 21338

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

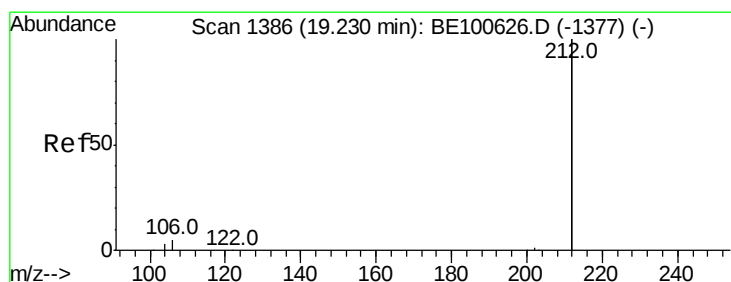
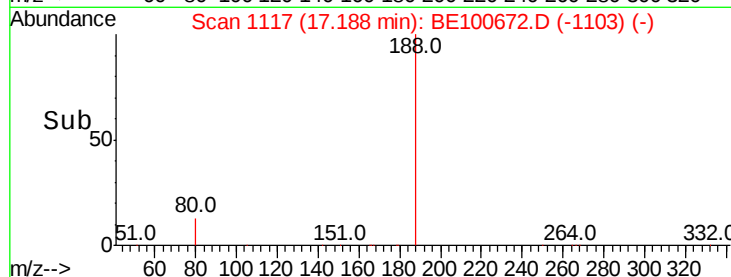
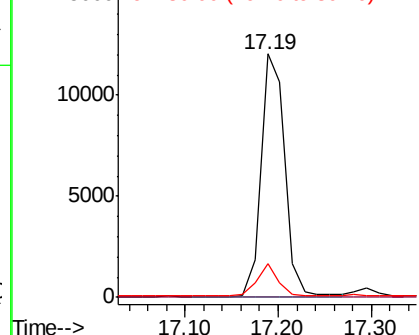
80 13.7 5.4 8.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#25

Fluoranthene-d10

Concen: 0.420 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE100672.D

Acq: 23 Oct 2019 21:34

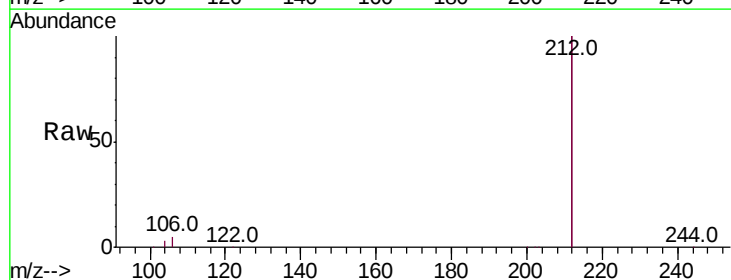
Tgt Ion:212 Resp: 115754

Ion Ratio Lower Upper

212 100

106 2.8 2.3 3.5

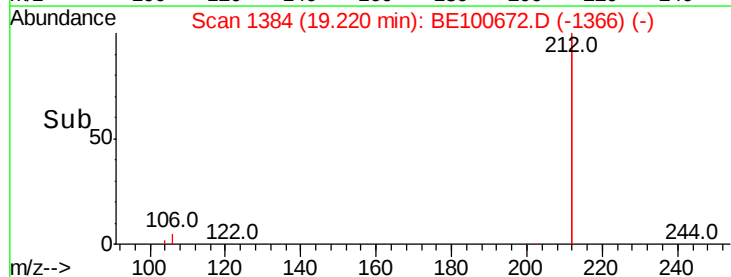
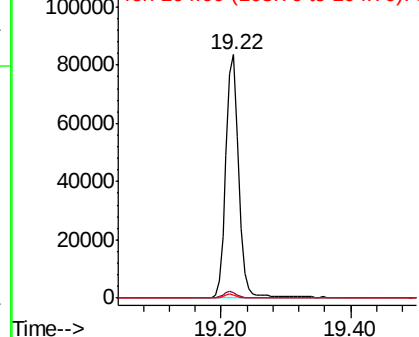
104 1.5 1.3 1.9

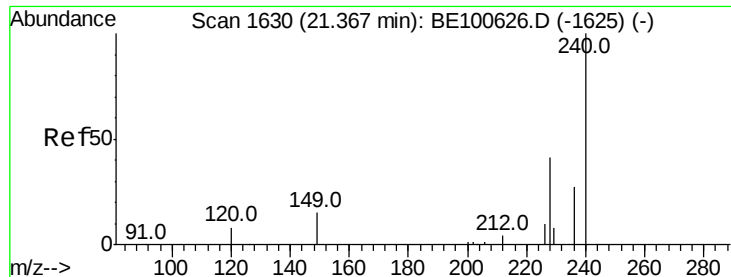


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

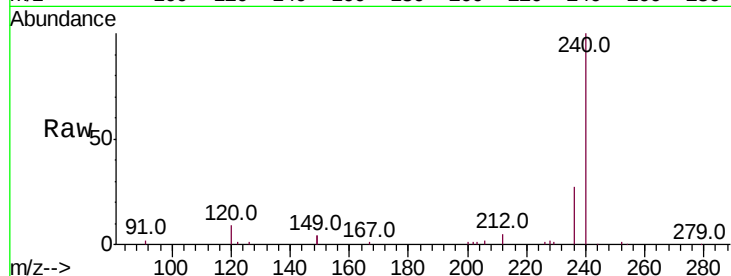




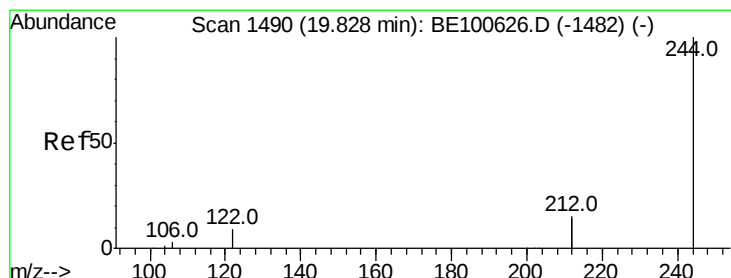
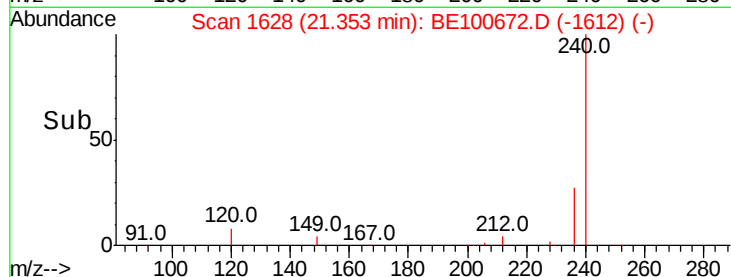
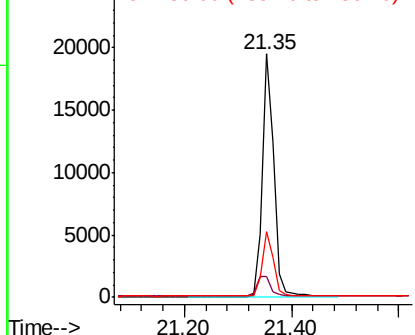
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.35 min Scan# 1628  
Delta R.T. -0.00 min  
Lab File: BE100672.D  
Acq: 23 Oct 2019 21:34

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:240 Resp: 29208  
Ion Ratio Lower Upper  
240 100  
120 8.7 7.6 11.4  
236 26.9 22.1 33.1

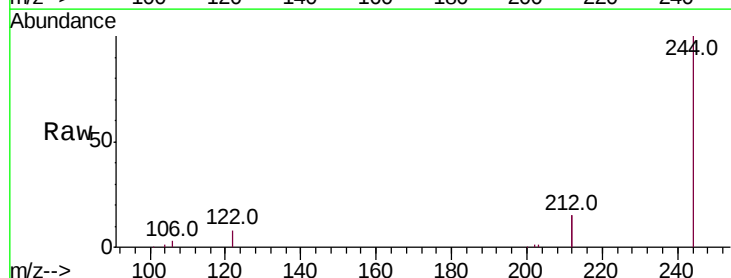


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

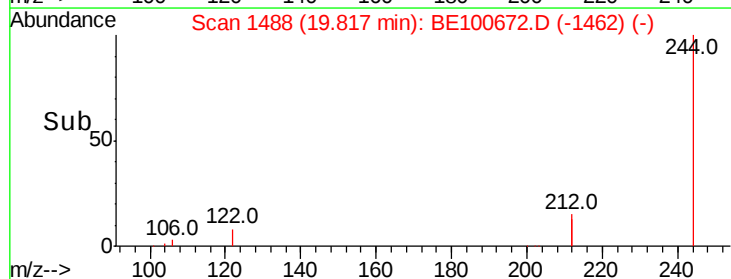
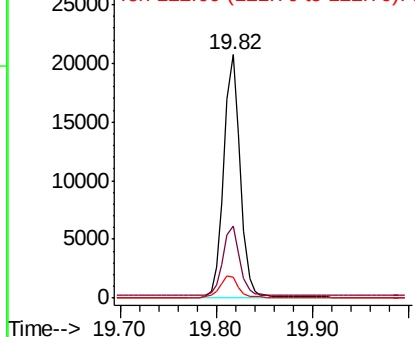


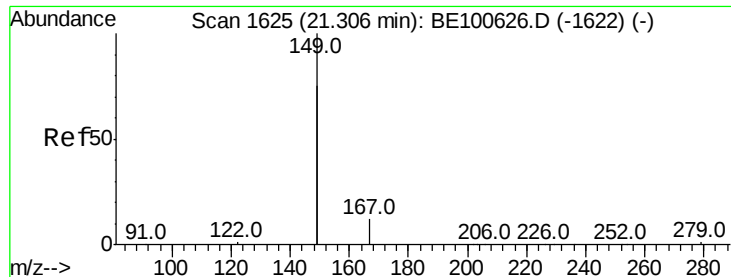
#29  
Terphenyl-d14  
Concen: 0.389 ng  
RT: 19.82 min Scan# 1488  
Delta R.T. 0.00 min  
Lab File: BE100672.D  
Acq: 23 Oct 2019 21:34

Tgt Ion:244 Resp: 24814  
Ion Ratio Lower Upper  
244 100  
212 29.5 23.7 35.5  
122 8.5 7.9 11.9



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: 0.030 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE100672.D

Acq: 23 Oct 2019 21:34

Instrument :

BNA\_E

ClientSampleId :

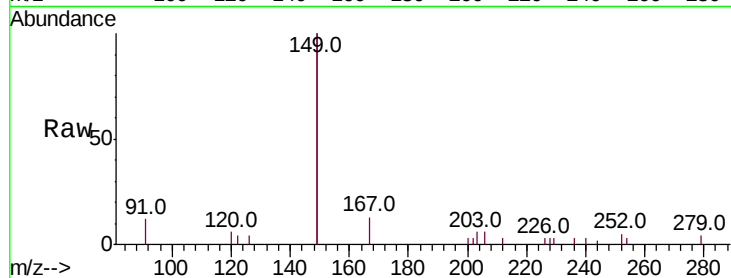
Tot Ion:149 Resp: 6010

Ion Ratio Lower Upper

149 100

167 7.1 5.5 8.3

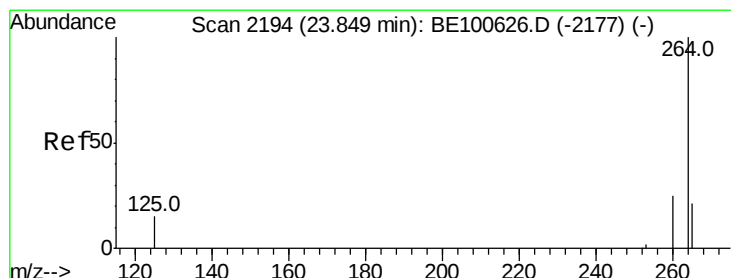
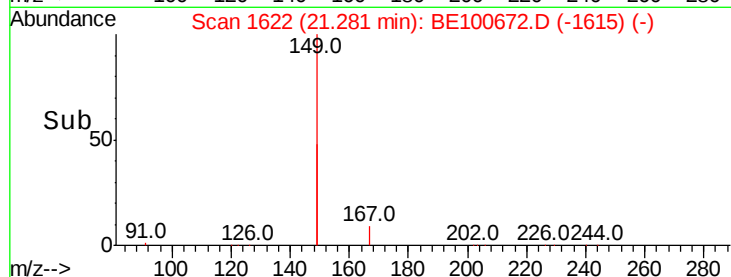
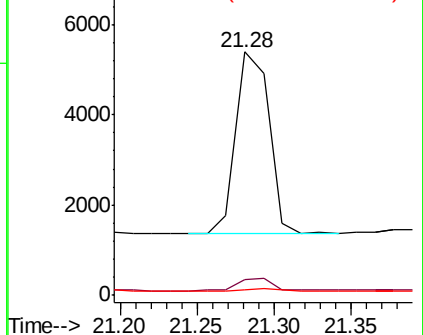
279 1.4 0.9 1.3#



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: 23.83 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BE100672.D

Acq: 23 Oct 2019 21:34

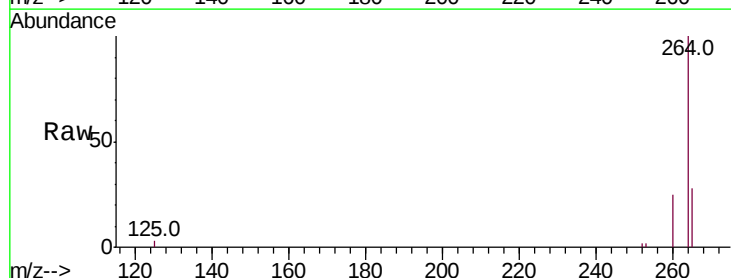
Tgt Ion:264 Resp: 33478

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

265 27.6 21.7 32.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

