

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\  
 Data File : BE100342.D  
 Acq On : 3 Jul 2019 23:21  
 Operator : JU/SJ  
 Sample : K3558-18  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-016-SW096-062619

Quant Time: Jul 04 00:37:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 28 14:06:53 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 659      | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.43 | 136  | 2333     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 2060     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.05 | 188  | 6108     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.25 | 240  | 8505     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.66 | 264  | 9788     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.20  | 112 | 431   | 0.26 | ng | -0.01 |
| 5) Phenol-d6                | 6.84  | 99  | 520   | 0.24 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.81  | 82  | 468   | 0.20 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 1042  | 0.24 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 398   | 0.28 | ng | -0.02 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 1682  | 0.21 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.09 | 212 | 17456 | 0.20 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.69 | 244 | 4324  | 0.25 | ng | -0.01 |

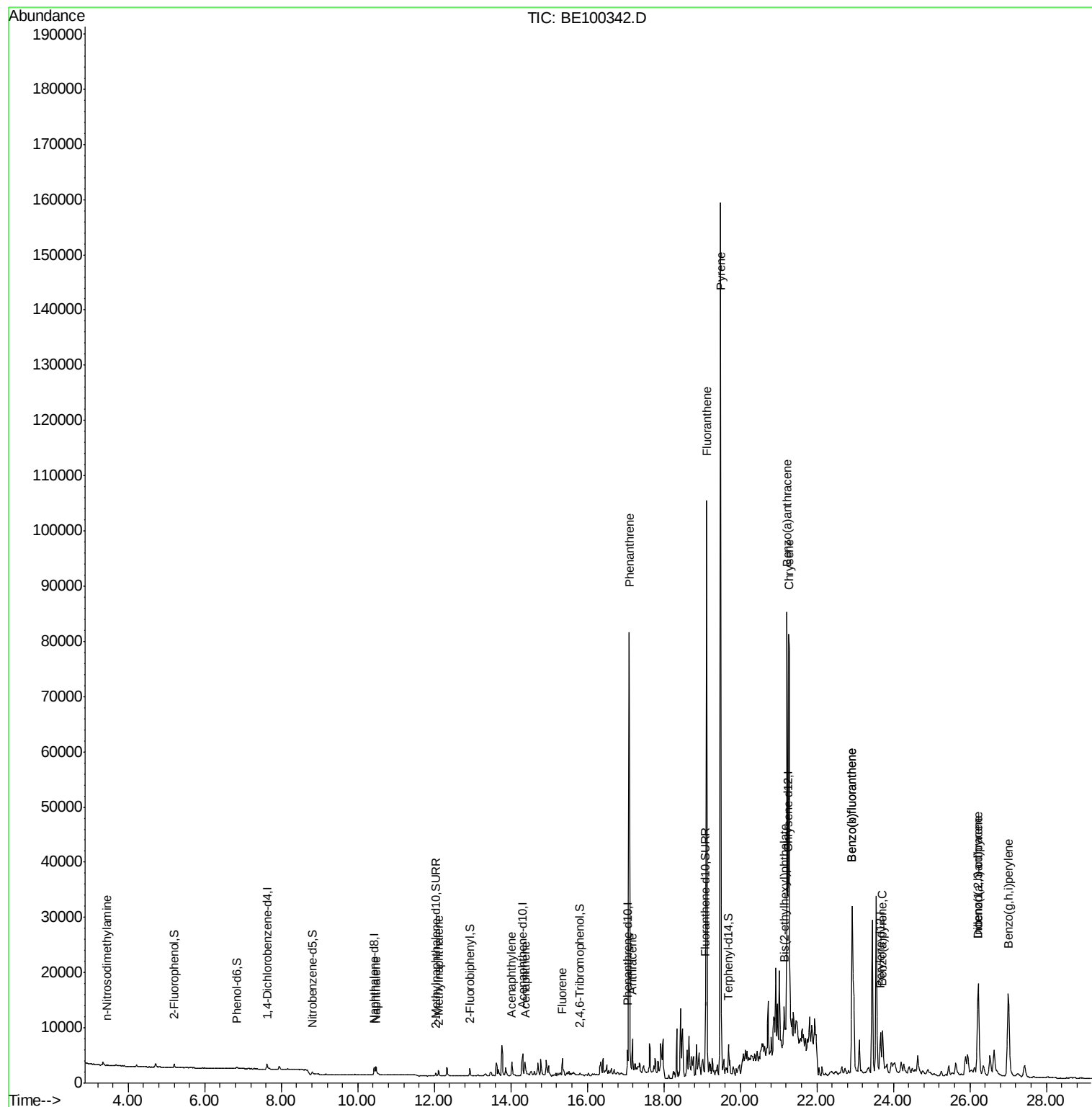
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 3) n-Nitrosodimethylamine      | 3.44  | 42  | 39     | 0.082  | ng | # 1  |
| 9) Naphthalene                 | 10.48 | 128 | 3213   | 0.125  | ng | # 93 |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 833    | 0.184  | ng | # 91 |
| 16) Acenaphthylene             | 14.02 | 152 | 3035   | 0.307  | ng | # 96 |
| 17) Acenaphthene               | 14.37 | 154 | 1133   | 0.202  | ng | # 92 |
| 18) Fluorene                   | 15.35 | 166 | 2547   | 0.307  | ng | # 90 |
| 23) Phenanthrene               | 17.09 | 178 | 82800  | 5.593  | ng | 99   |
| 24) Anthracene                 | 17.19 | 178 | 5816   | 0.436  | ng | 98   |
| 26) Fluoranthene               | 19.12 | 202 | 94372  | 4.002  | ng | 98   |
| 28) Pvrene                     | 19.48 | 202 | 155257 | 6.895  | ng | # 96 |
| 30) Benzo(a)anthracene         | 21.22 | 228 | 69924  | 2.500  | ng | 97   |
| 31) Chrysene                   | 21.27 | 228 | 83553  | 2.975  | ng | 97   |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 7151   | 0.123  | ng | # 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.22 | 276 | 32026  | 0.862  | ng | # 97 |
| 35) Benzo(b)fluoranthene       | 22.92 | 252 | 64964  | 2.448  | ng | # 96 |
| 36) Benzo(k)fluoranthene       | 22.92 | 252 | 64964  | 2.193  | ng | 98   |
| 37) Benzo(a)pvrene             | 23.71 | 252 | 8487   | 0.319  | ng | 94   |
| 38) Dibenzo(a,h)anthracene     | 26.22 | 278 | 9445   | 0.340  | ng | # 88 |
| 39) Benzo(g,h,i)perylene       | 27.00 | 276 | 40181  | 1.408  | ng | 99   |

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

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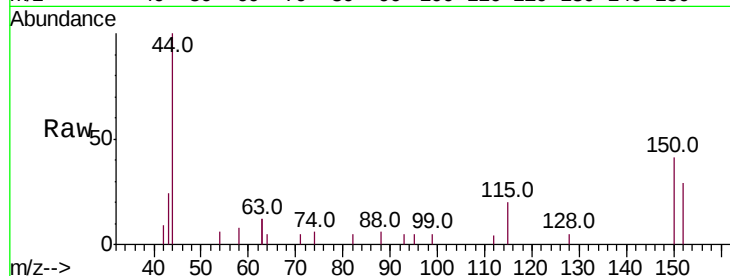


#1

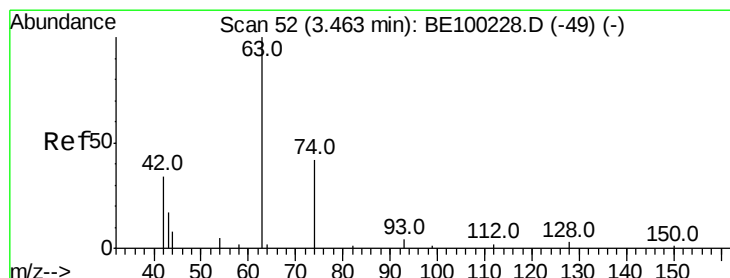
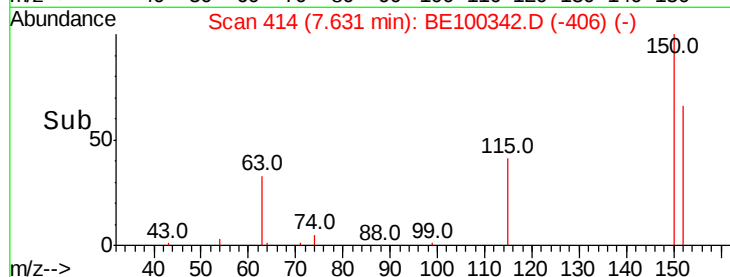
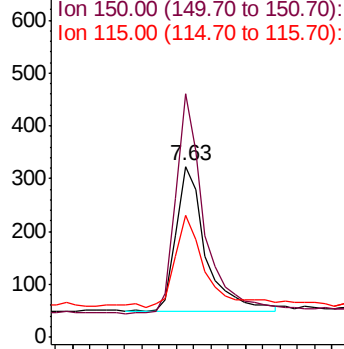
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.63 min Scan# 414  
Delta R.T. -0.01 min  
Lab File: BE100342.D  
Acq: 3 Jul 2019 23:21

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-016-SW096-062619

Tot Ion:152 Resp: 659  
Ion Ratio Lower Upper  
152 100  
150 142.7 114.5 171.7  
115 71.2 57.1 85.7



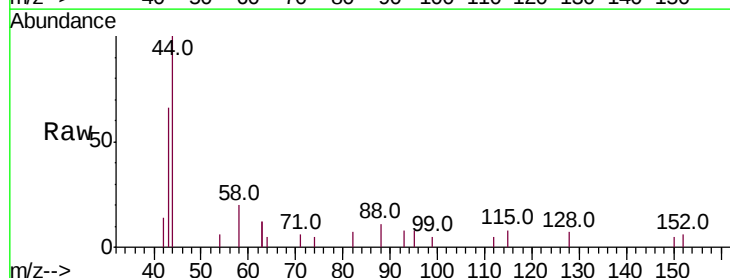
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



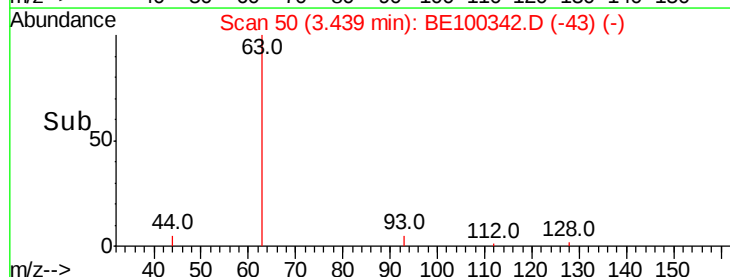
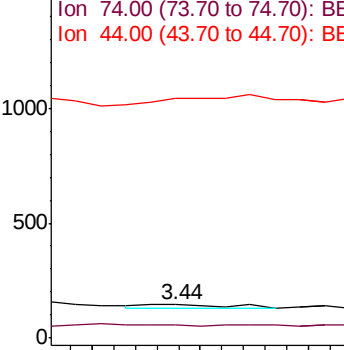
#3

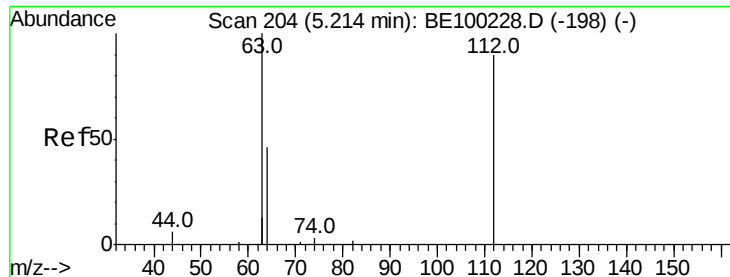
n-Nitrosodimethylamine  
Concen: 0.082 ng  
RT: 3.44 min Scan# 50  
Delta R.T. -0.02 min  
Lab File: BE100342.D  
Acq: 3 Jul 2019 23:21

Tgt Ion: 42 Resp: 39  
Ion Ratio Lower Upper  
42 100  
74 0.0 130.6 196.0#  
44 0.0 38.0 57.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1  
Ion 74.00 (73.70 to 74.70): BE1  
Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 0.256 ng

RT: 5.20 min Scan# 203

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

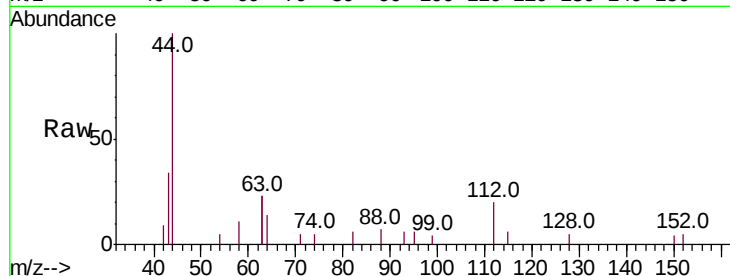
Tot Ion: 112 Resp: 431

Ion Ratio Lower Upper

112 100

64 53.1 39.4 59.0

63 140.8 104.5 156.7



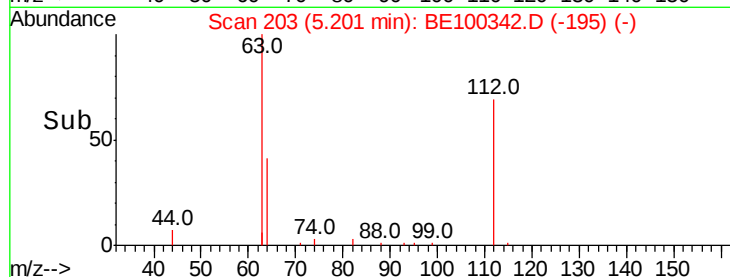
Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

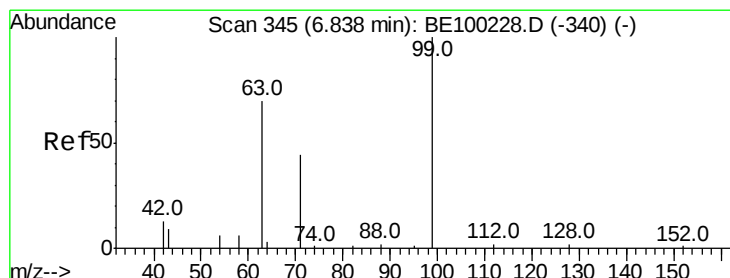
Ion 63.00 (62.70 to 63.70): BE1

5.20

Time-->



Time-->



#5

Phenol-d6

Concen: 0.235 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

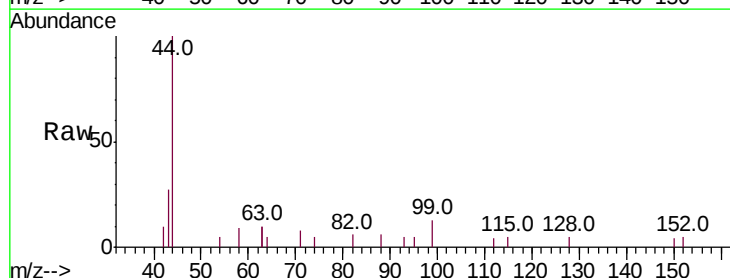
Tgt Ion: 99 Resp: 520

Ion Ratio Lower Upper

99 100

42 22.5 11.2 16.8#

71 0.0 37.2 55.8#



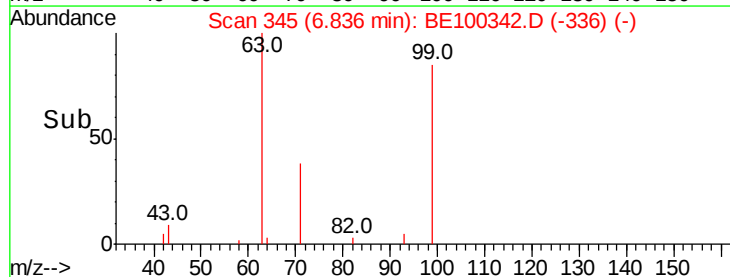
Abundance Ion 99.00 (98.70 to 99.70): BE1

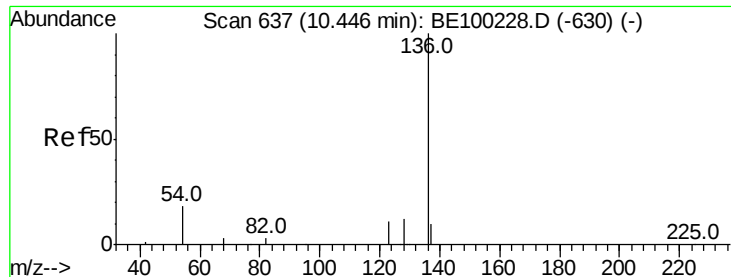
Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1

6.84

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

Tot Ion:136 Resp: 2333

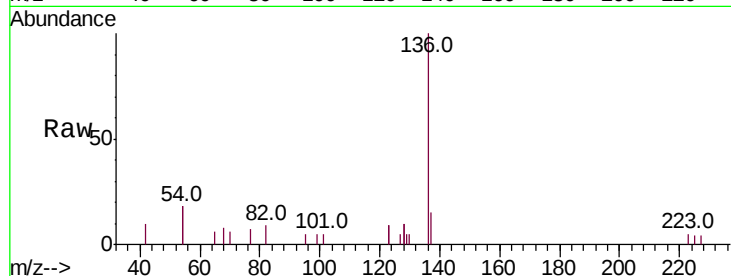
Ion Ratio Lower Upper

136 100

137 15.0 11.8 17.8

54 35.1 27.7 41.5

68 8.1 6.8 10.2

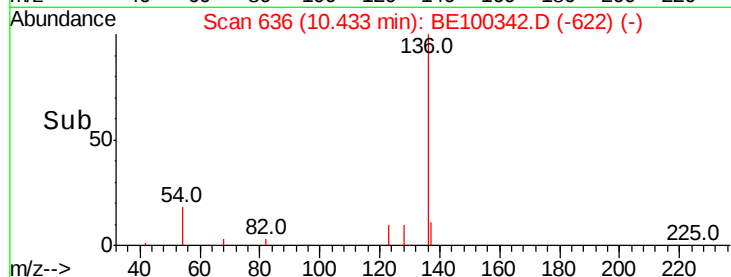


Abundance Ion 136.00 (135.70 to 136.70): E

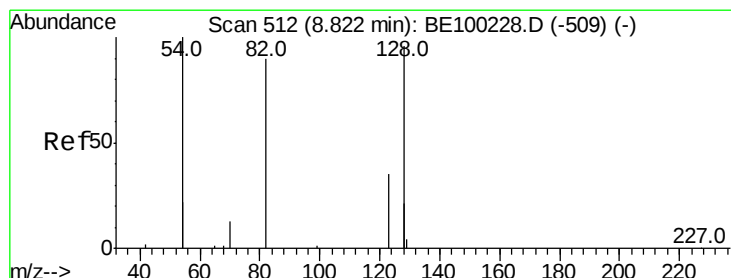
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



Time-->



#8

Nitrobenzene-d5

Concen: 0.202 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

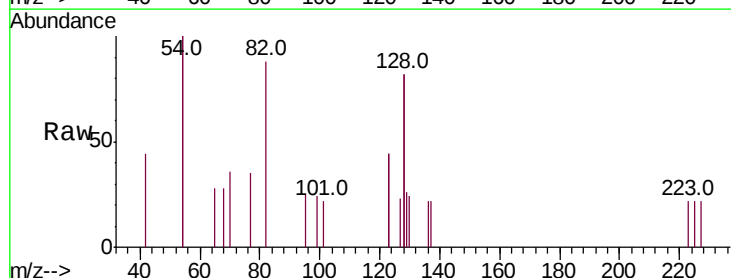
Tgt Ion: 82 Resp: 468

Ion Ratio Lower Upper

82 100

128 185.9 140.9 211.3

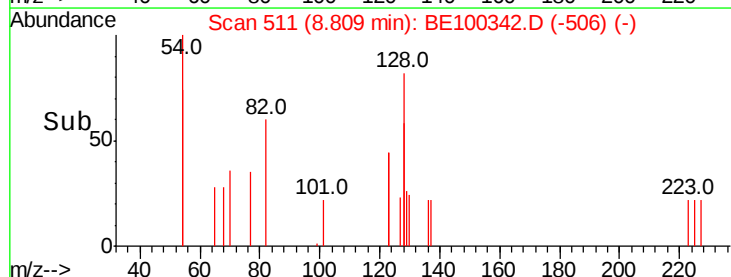
54 227.2 146.2 219.2#



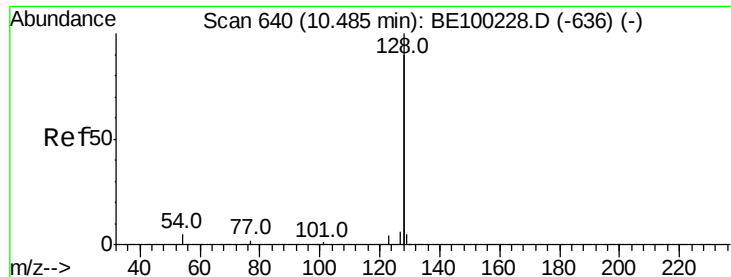
Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1



Time-->



#9

Naphthalene

Concen: 0.125 ng

RT: 10.48 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

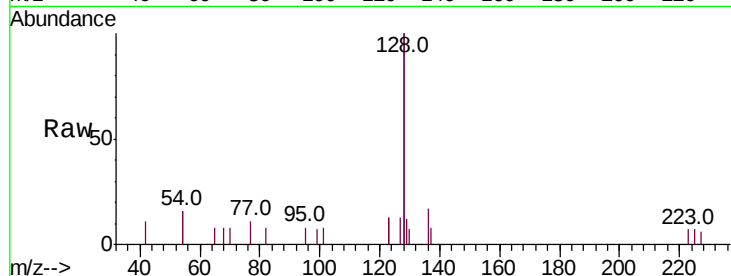
Tot Ion:128 Resp: 3213

Ion Ratio Lower Upper

128 100

129 6.0 3.0 4.6#

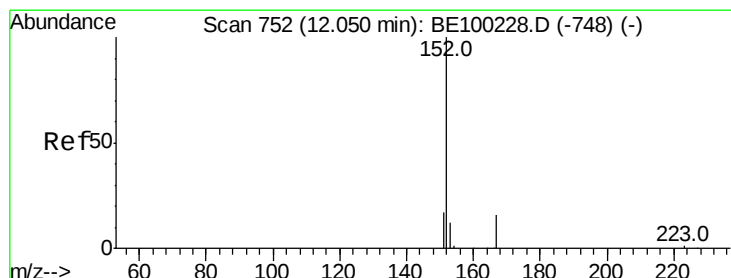
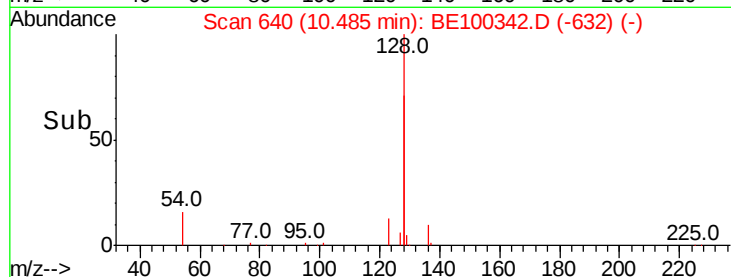
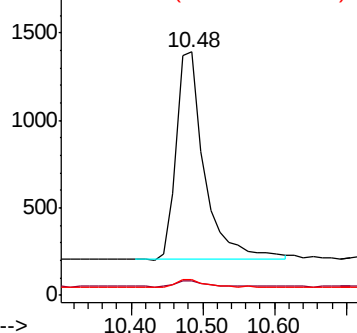
127 6.6 3.5 5.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.237 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100342.D

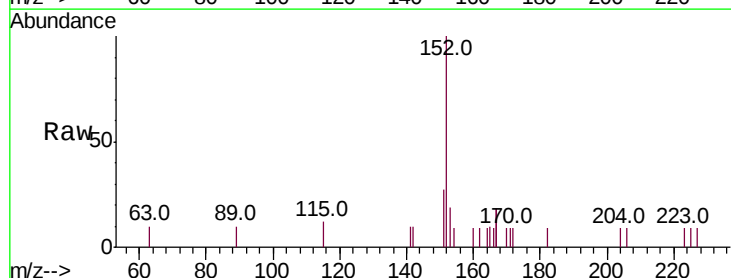
Acq: 3 Jul 2019 23:21

Tgt Ion:152 Resp: 1042

Ion Ratio Lower Upper

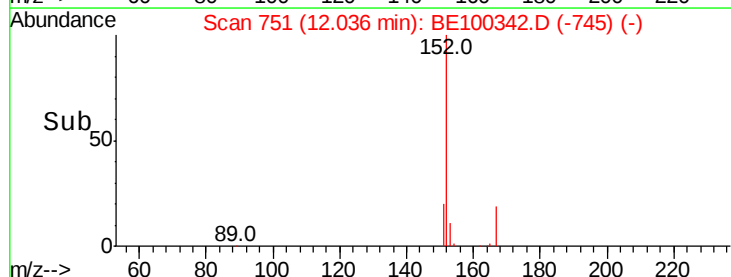
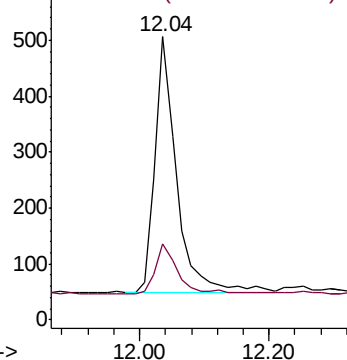
152 100

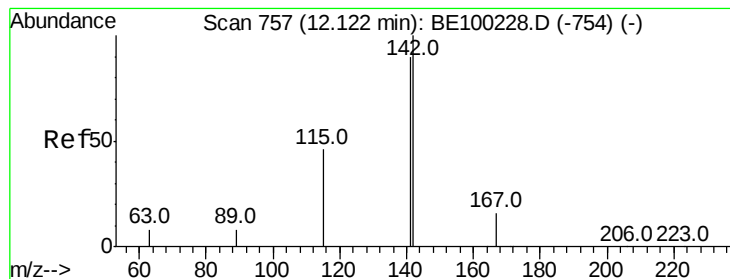
151 21.8 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.184 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

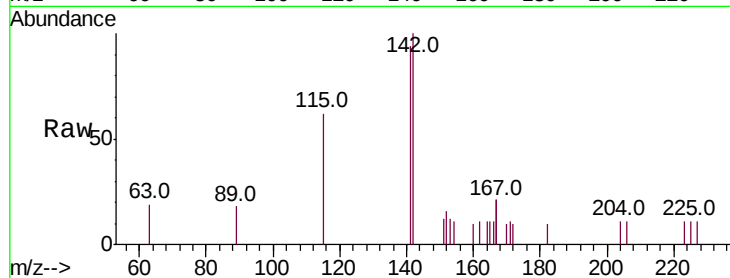
Tot Ion:142 Resp: 833

Ion Ratio Lower Upper

142 100

141 94.4 72.4 108.6

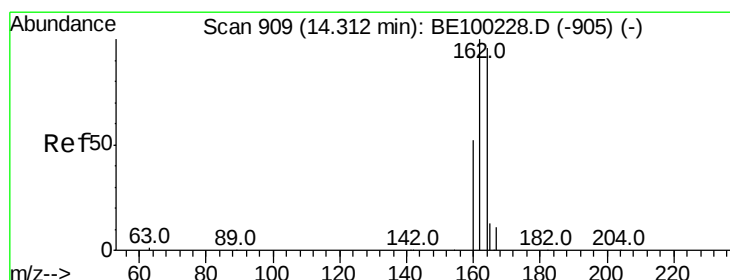
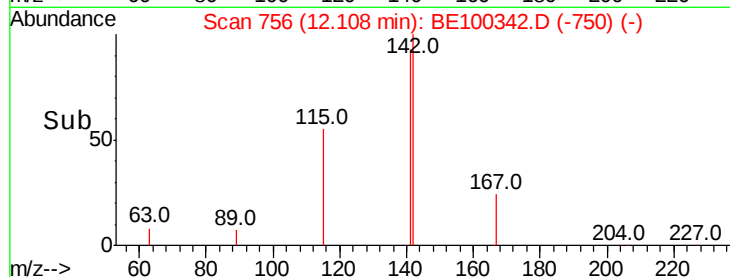
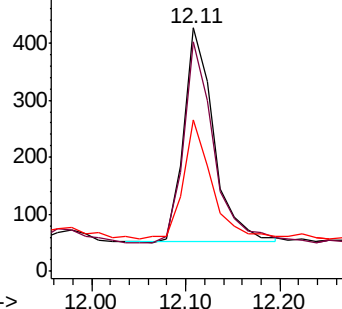
115 62.3 40.4 60.6#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

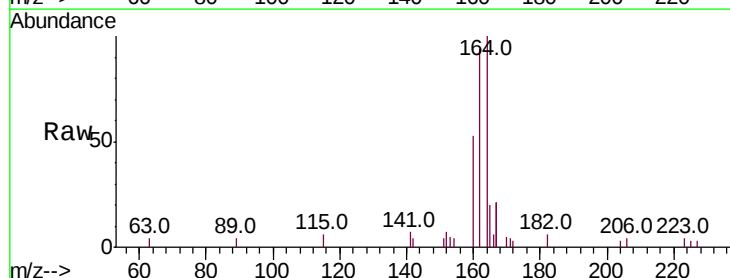
Tgt Ion:164 Resp: 2060

Ion Ratio Lower Upper

164 100

162 93.9 83.4 125.0

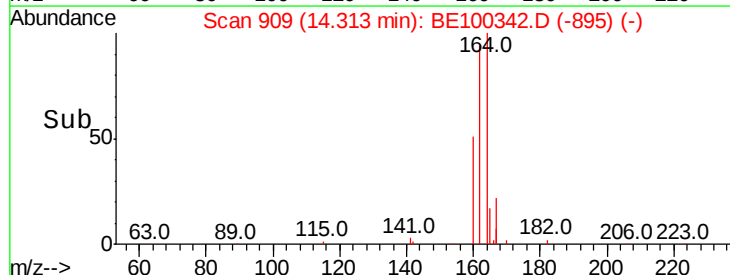
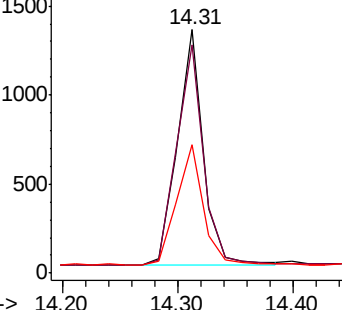
160 52.5 45.0 67.6

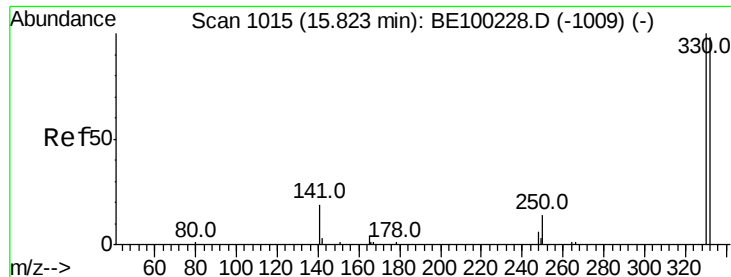


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

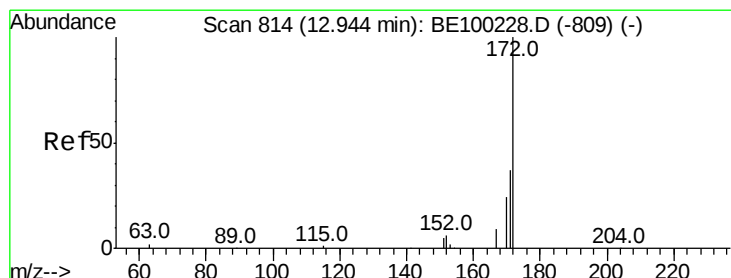
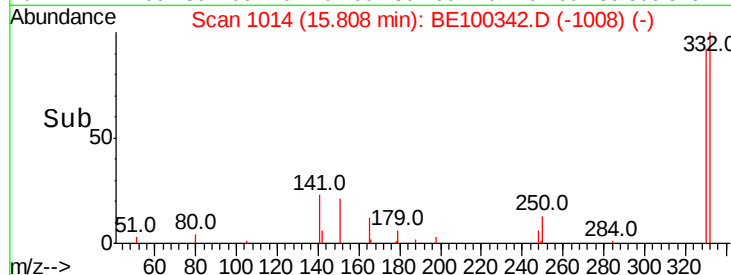
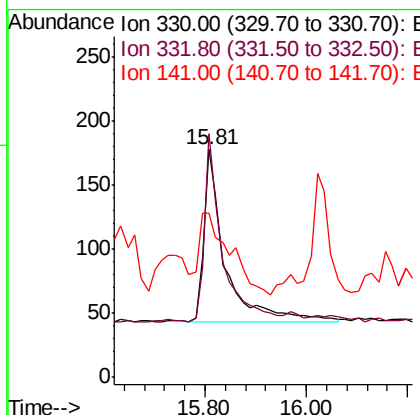
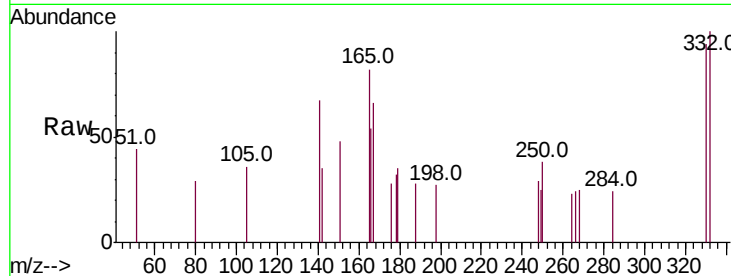




#14  
 2,4,6-Tribromophenol  
 Concen: 0.276 ng  
 RT: 15.81 min Scan# 1014  
 Delta R.T. -0.02 min  
 Lab File: BE100342.D  
 Acq: 3 Jul 2019 23:21

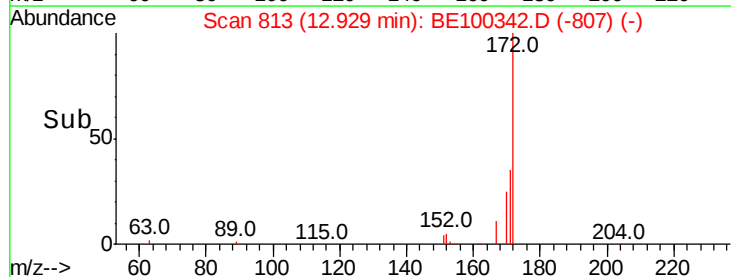
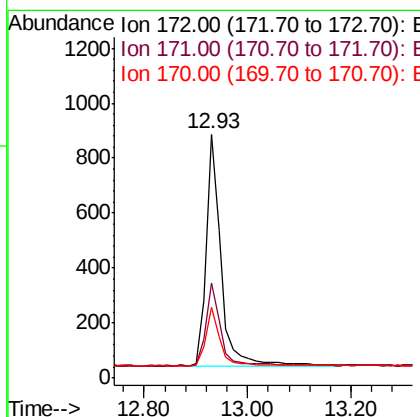
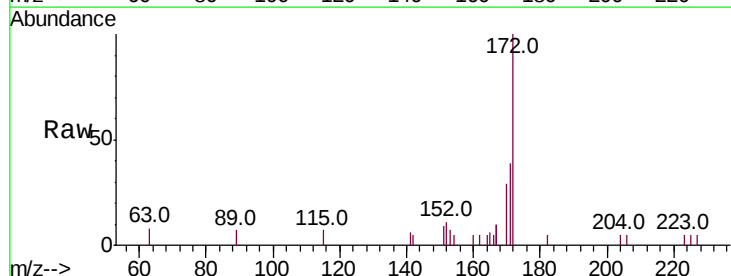
Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-016-SW096-062619

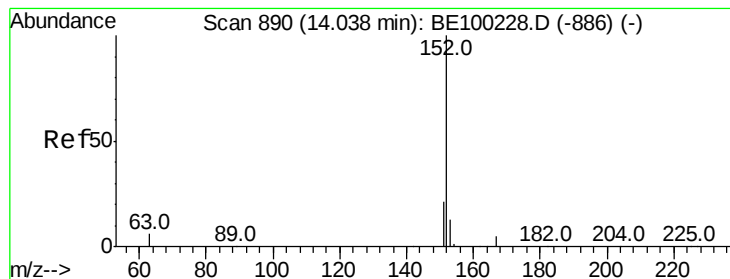
Tot Ion:330 Resp: 398  
 Ion Ratio Lower Upper  
 330 100  
 332 90.5 77.0 115.4  
 141 68.6 22.0 33.0#



#15  
 2-Fluorobiphenyl  
 Concen: 0.210 ng  
 RT: 12.93 min Scan# 813  
 Delta R.T. -0.01 min  
 Lab File: BE100342.D  
 Acq: 3 Jul 2019 23:21

Tgt Ion:172 Resp: 1682  
 Ion Ratio Lower Upper  
 172 100  
 171 38.8 31.9 47.9  
 170 28.8 22.2 33.2





#16

Acenaphthylene

Concen: 0.307 ng

RT: 14.02 min Scan# 889

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

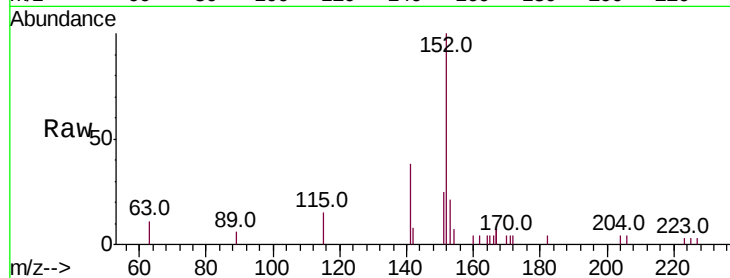
Tot Ion:152 Resp: 3035

Ion Ratio Lower Upper

152 100

151 20.6 16.6 25.0

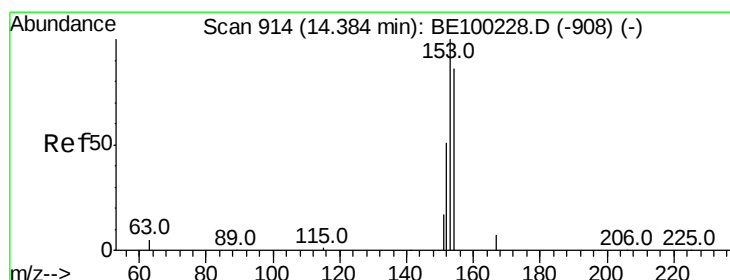
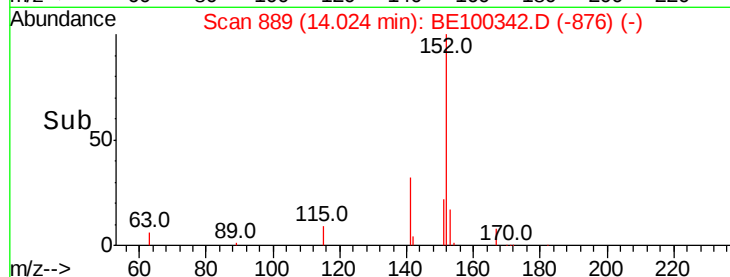
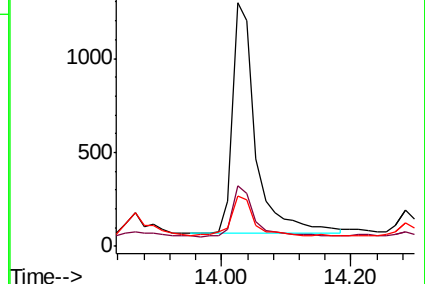
153 16.7 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.202 ng

RT: 14.37 min Scan# 913

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

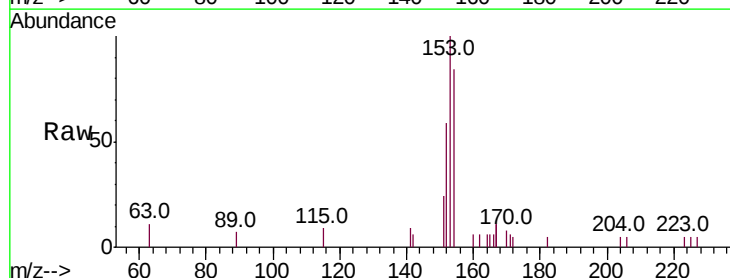
Tgt Ion:154 Resp: 1133

Ion Ratio Lower Upper

154 100

153 119.9 93.4 140.2

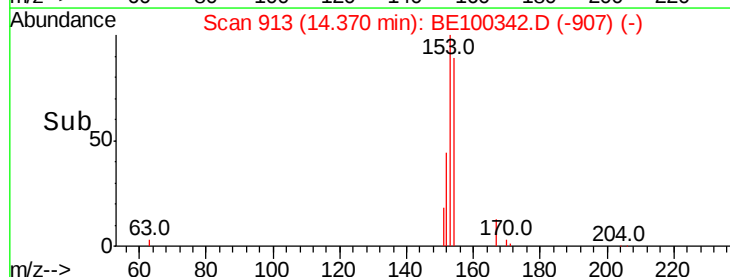
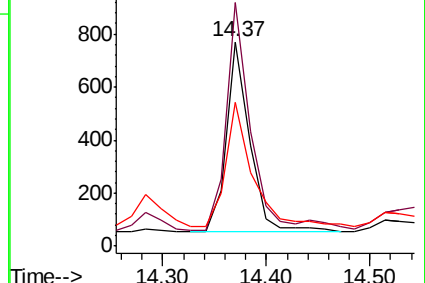
152 74.4 49.4 74.2#

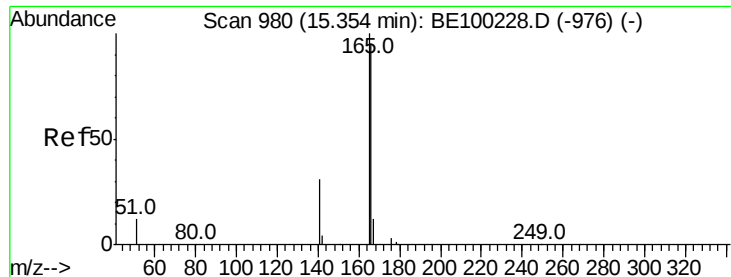


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

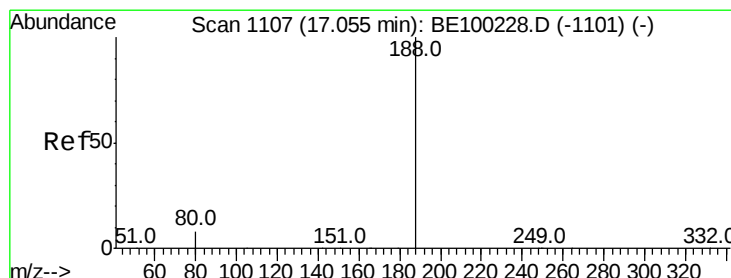
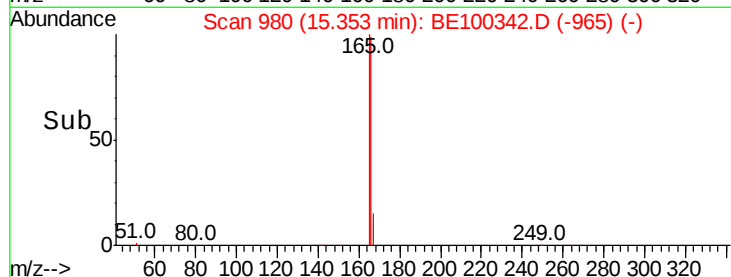
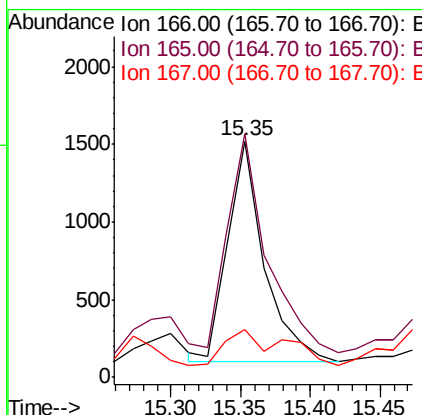
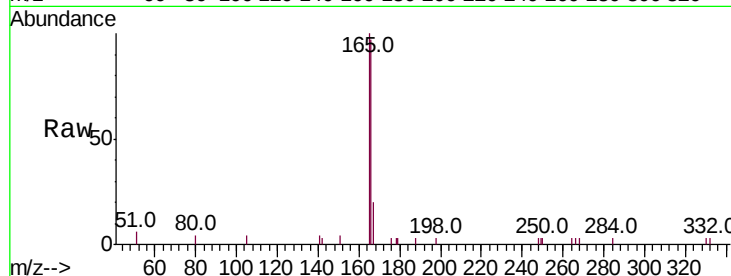




#18  
**Fluorene**  
 Concen: 0.307 ng  
 RT: 15.35 min Scan# 980  
 Delta R.T. -0.00 min  
 Lab File: BE100342.D  
 Acq: 3 Jul 2019 23:21

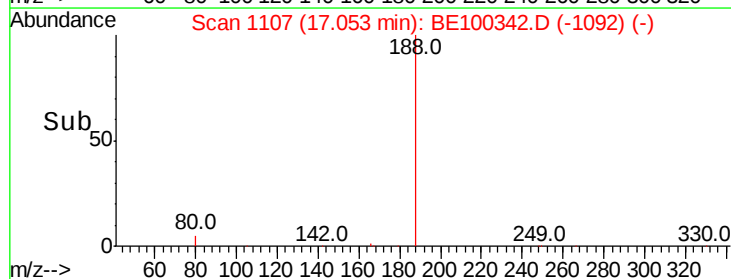
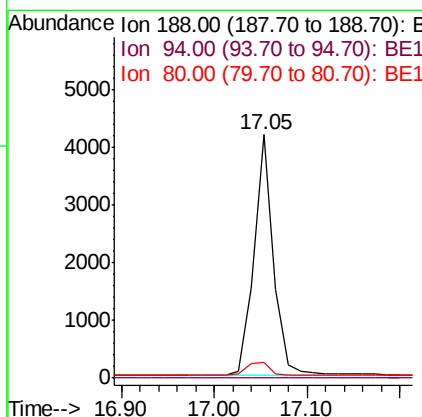
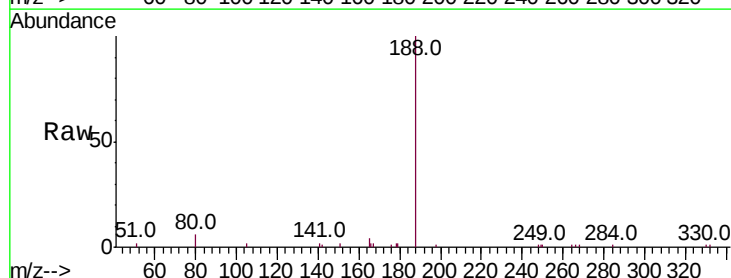
Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-016-SW096-062619

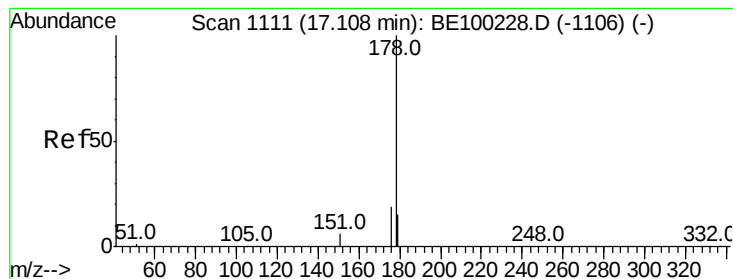
Tot Ion:166 Resp: 2547  
 Ion Ratio Lower Upper  
 166 100  
 165 108.6 81.1 121.7  
 167 27.2 10.7 16.1#



#19  
**Phenanthrene-d10**  
 Concen: 0.400 ng  
 RT: 17.05 min Scan# 1107  
 Delta R.T. -0.00 min  
 Lab File: BE100342.D  
 Acq: 3 Jul 2019 23:21

Tgt Ion:188 Resp: 6108  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 6.3 7.6 11.4#





#23

Phenanthrene

Concen: 5.593 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.02 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

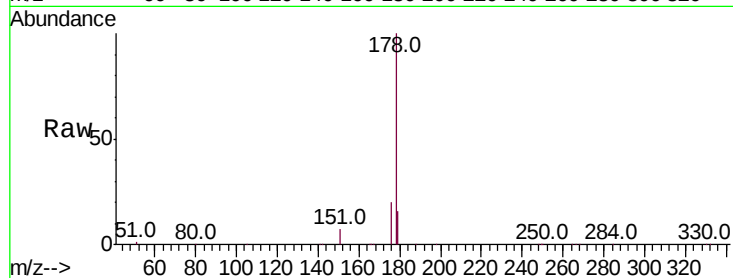
Tot Ion:178 Resp: 82800

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

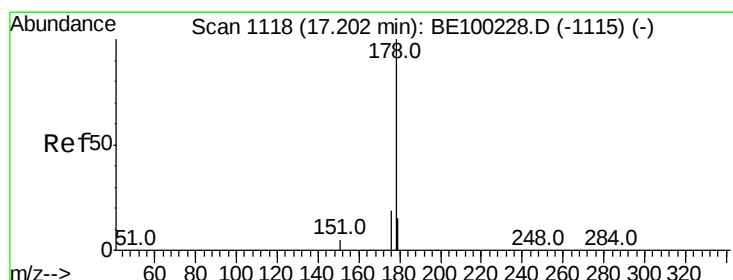
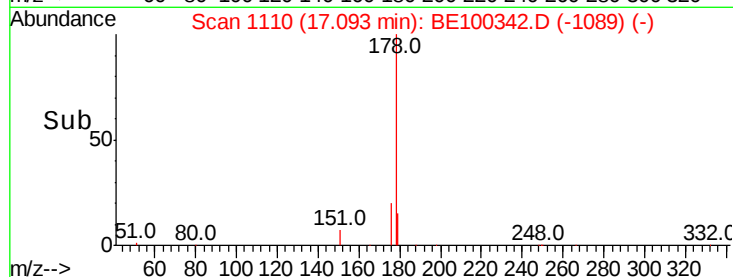
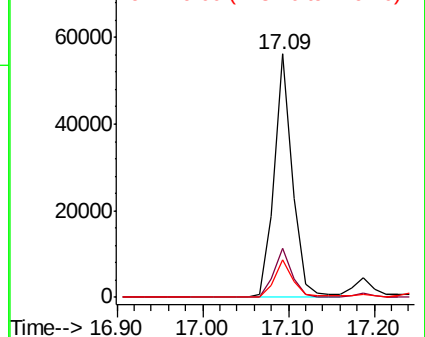
179 15.8 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.436 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.02 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

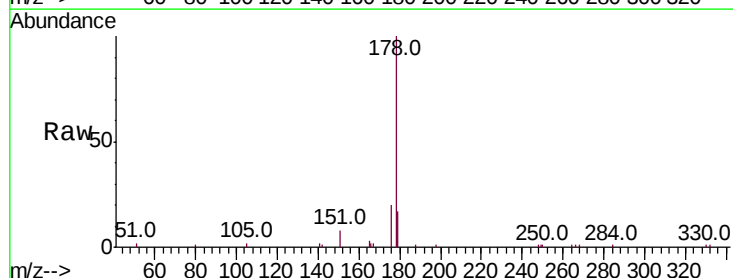
Tgt Ion:178 Resp: 5816

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

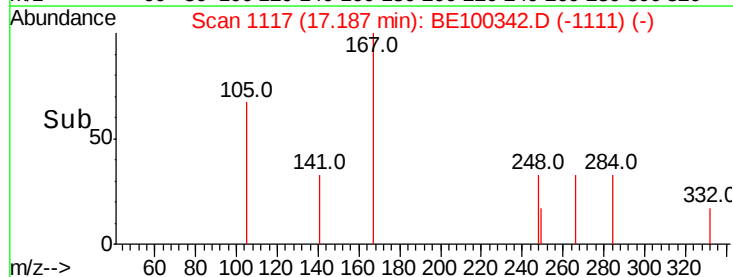
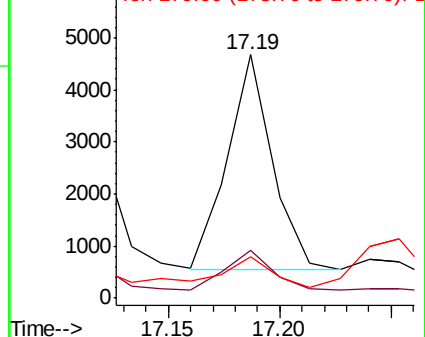
179 14.0 12.2 18.2

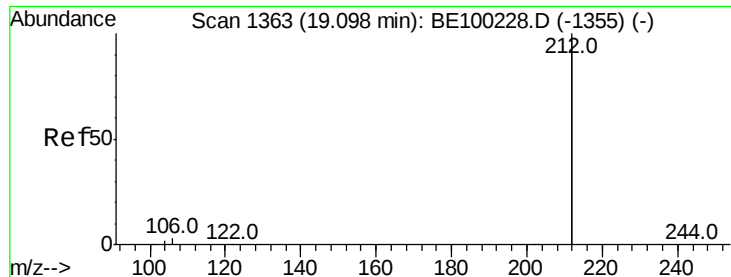


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.197 ng

RT: 19.09 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

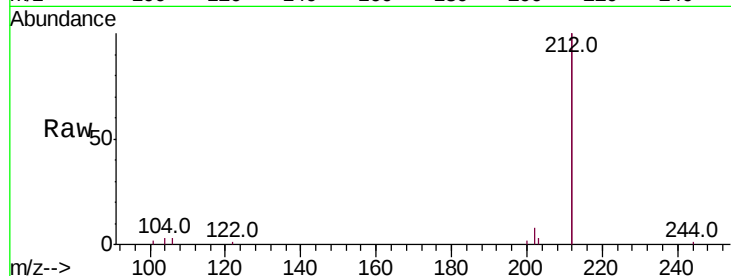
Tot Ion:212 Resp: 17456

Ion Ratio Lower Upper

212 100

106 1.6 1.3 1.9

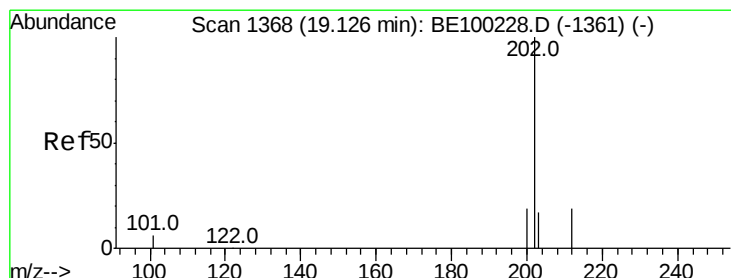
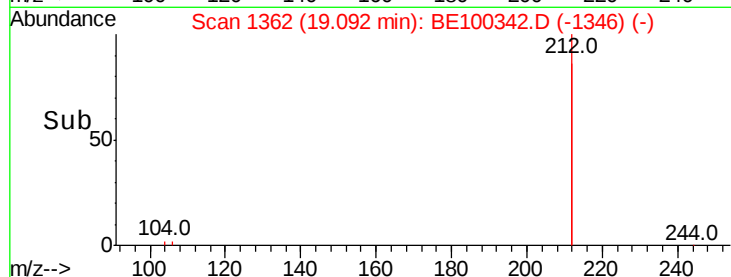
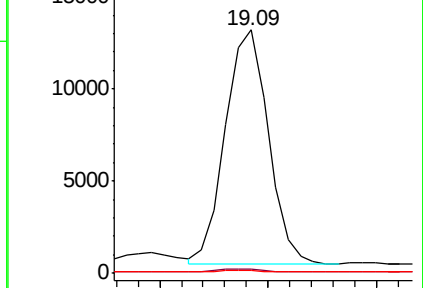
104 1.1 0.8 1.2



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



#26

Fluoranthene

Concen: 4.002 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

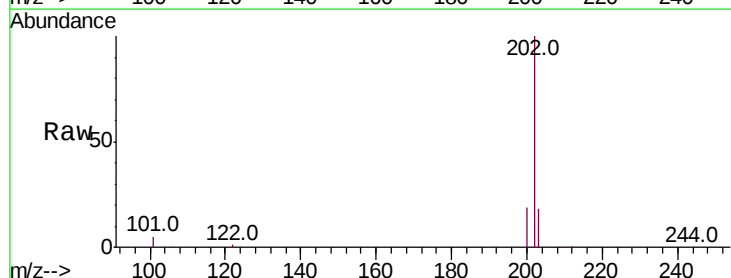
Tgt Ion:202 Resp: 94372

Ion Ratio Lower Upper

202 100

101 5.5 4.6 7.0

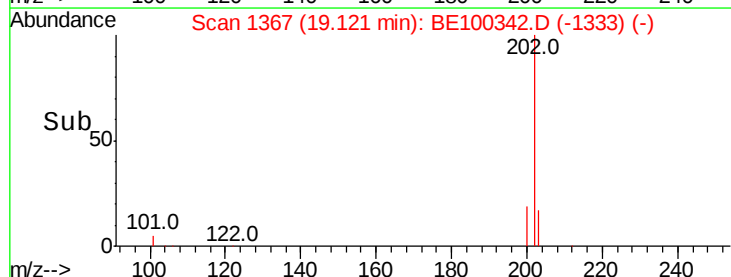
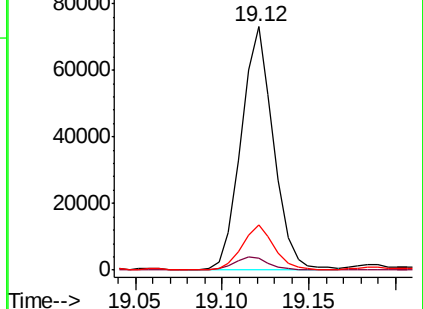
203 18.1 13.7 20.5

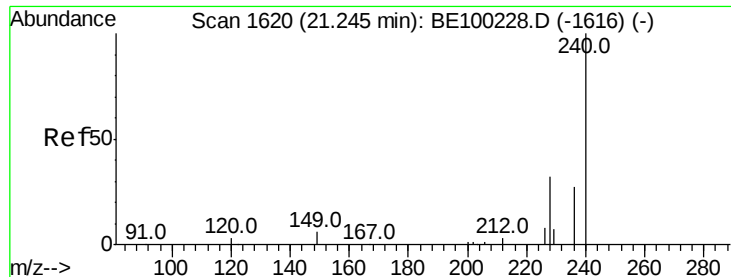


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

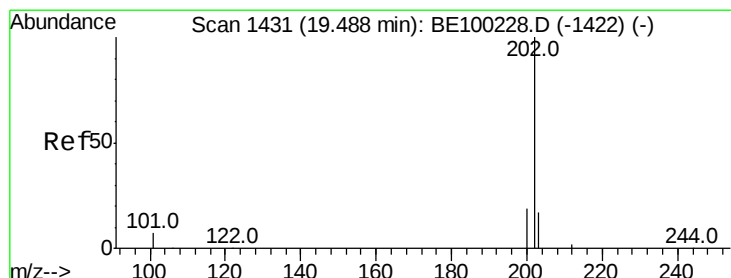
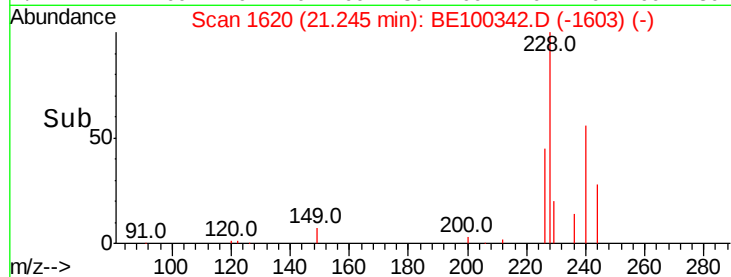
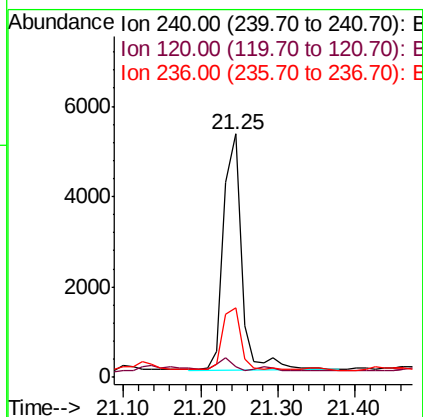
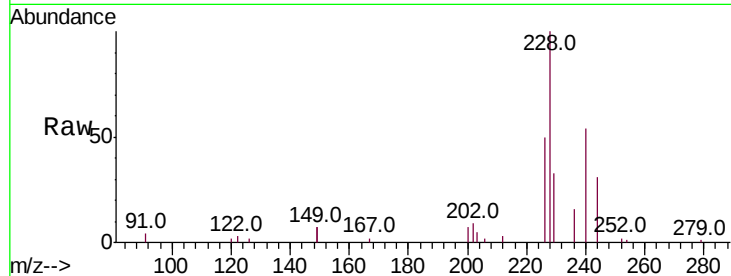




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.25 min Scan# 1620  
Delta R.T. 0.00 min  
Lab File: BE100342.D  
Acq: 3 Jul 2019 23:21

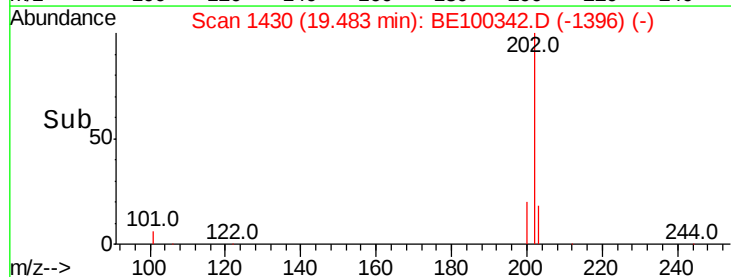
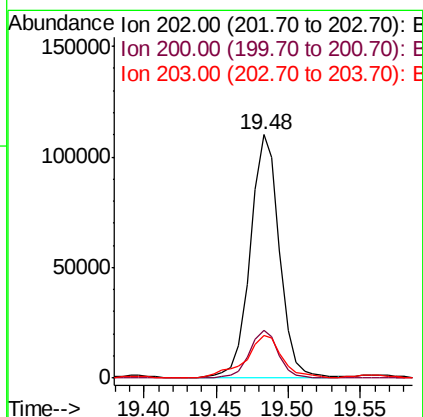
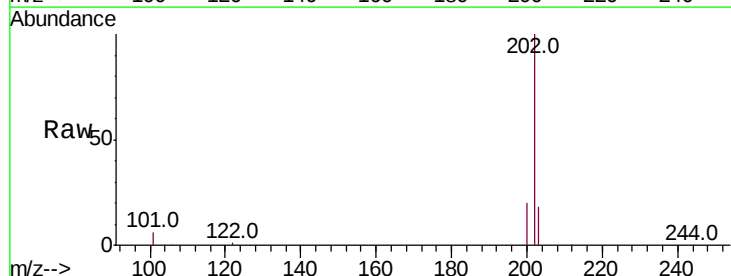
Instrument :  
BNA\_E  
ClientSampleId :  
EXT-016-SW096-062619

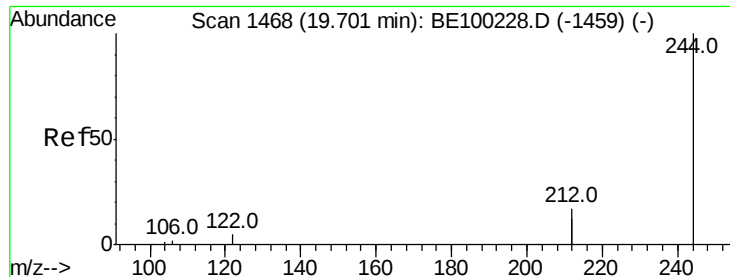
Tot Ion:240 Resp: 8505  
Ion Ratio Lower Upper  
240 100  
120 4.5 3.3 4.9  
236 28.8 22.6 34.0



#28  
Pyrene  
Concen: 6.895 ng  
RT: 19.48 min Scan# 1430  
Delta R.T. -0.01 min  
Lab File: BE100342.D  
Acq: 3 Jul 2019 23:21

Tgt Ion:202 Resp: 155257  
Ion Ratio Lower Upper  
202 100  
200 19.7 15.6 23.4  
203 21.3 14.0 21.0#





#29

Terphenyl-d14

Concen: 0.245 ng

RT: 19.69 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

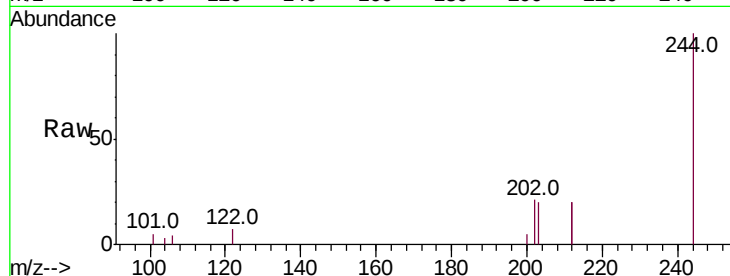
Tot Ion:244 Resp: 4324

Ion Ratio Lower Upper

244 100

212 39.6 27.3 40.9

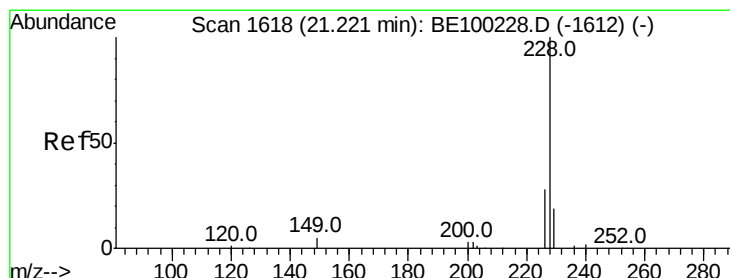
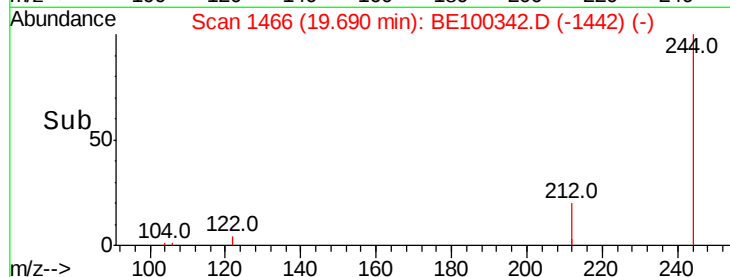
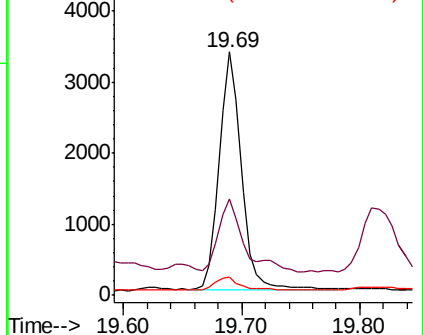
122 7.3 4.7 7.1#



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



#30

Benzo(a)anthracene

Concen: 2.500 ng

RT: 21.22 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

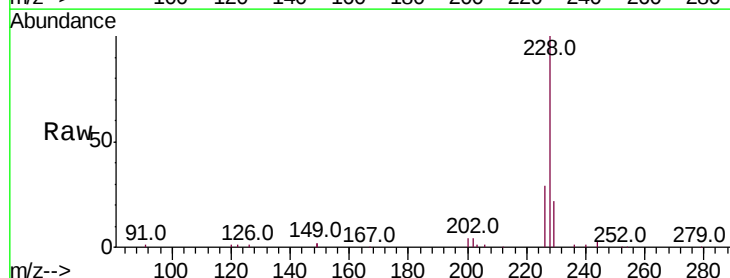
Tgt Ion:228 Resp: 69924

Ion Ratio Lower Upper

228 100

226 29.3 23.2 34.8

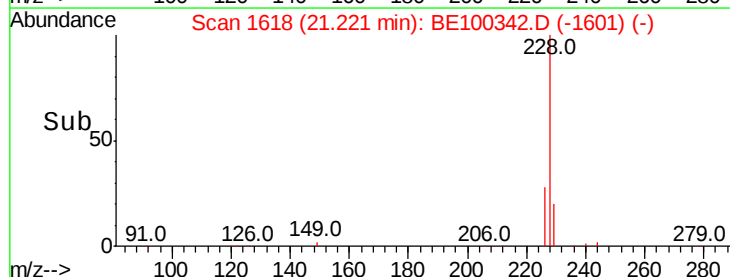
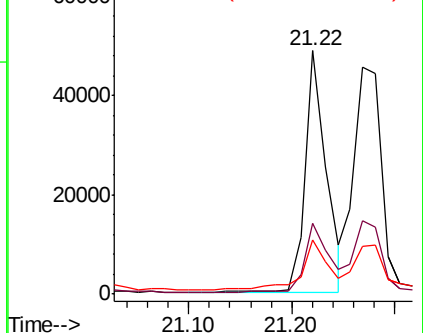
229 22.5 15.7 23.5

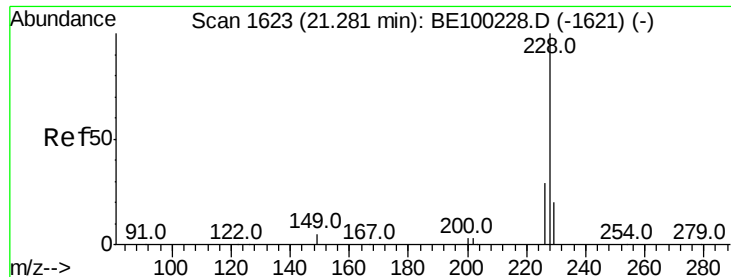


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 2.975 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

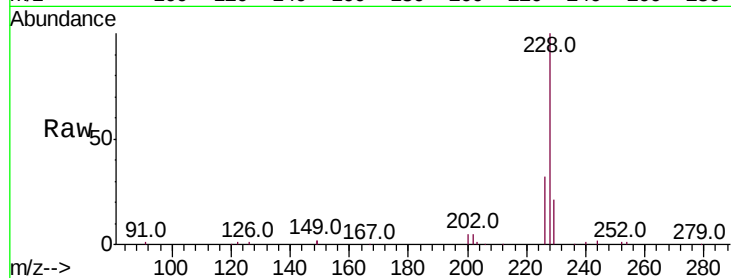
BNA\_E

ClientSampleId :

EXT-016-SW096-062619

Tot Ion:228 Resp: 83553

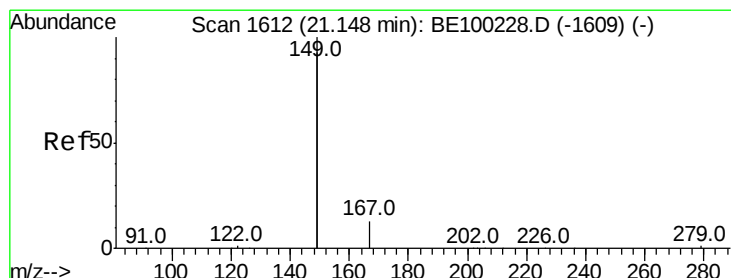
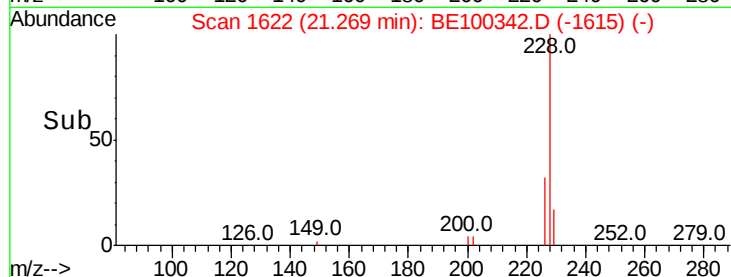
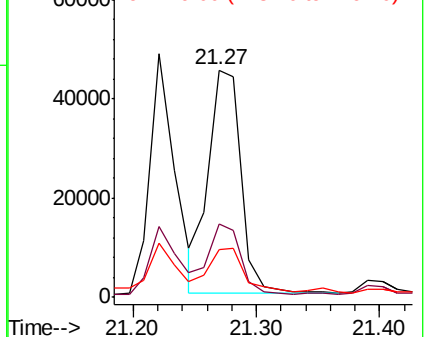
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 32.4  | 23.9  | 35.9  |
| 229 | 21.3  | 16.5  | 24.7  |



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.123 ng

RT: 21.15 min Scan# 1612

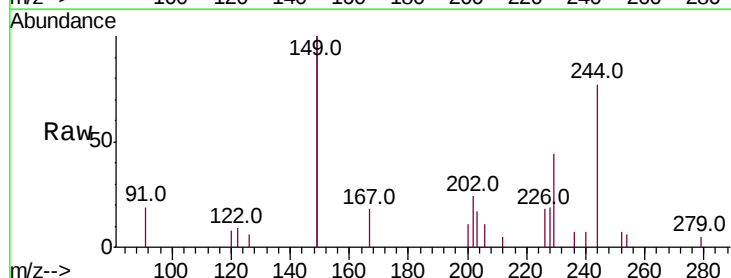
Delta R.T. 0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Tgt Ion:149 Resp: 7151

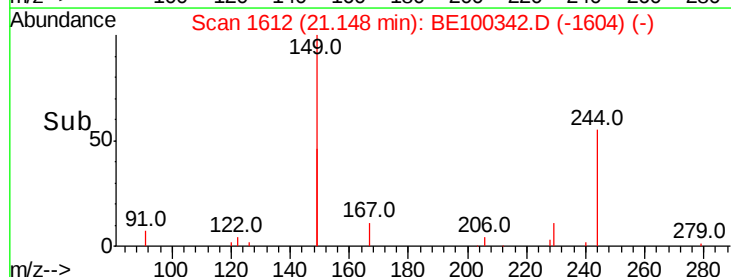
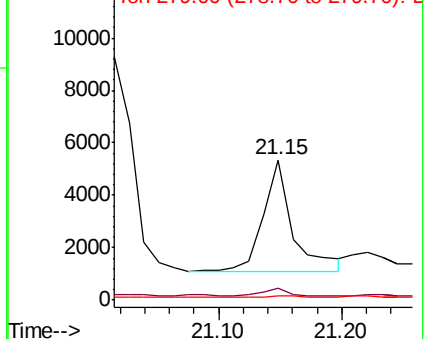
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 7.1   | 5.8   | 8.8   |
| 279 | 1.1   | 1.1   | 1.7#  |

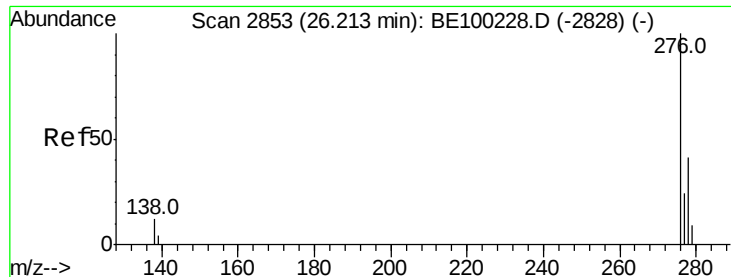


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.862 ng

RT: 26.22 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

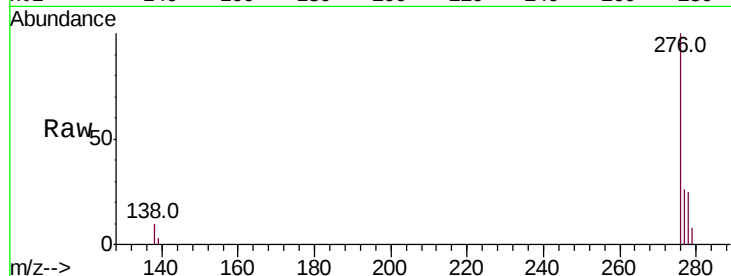
Tot Ion:276 Resp: 32026

Ion Ratio Lower Upper

276 100

138 9.3 9.4 14.0#

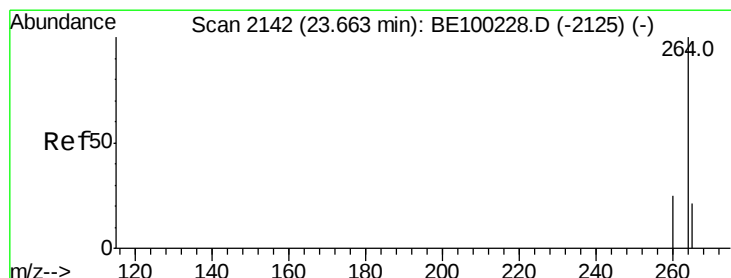
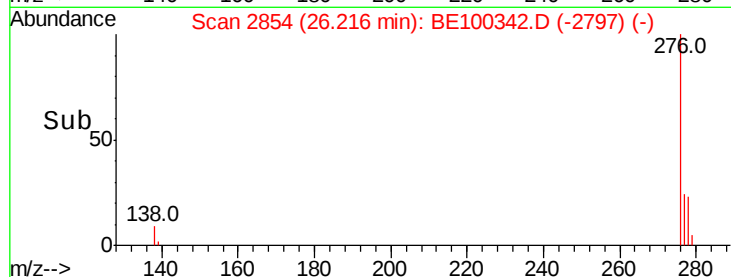
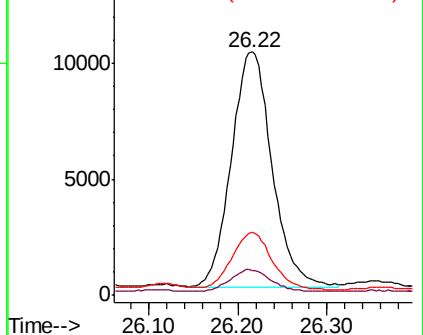
277 24.4 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.66 min Scan# 2141

Delta R.T. -0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

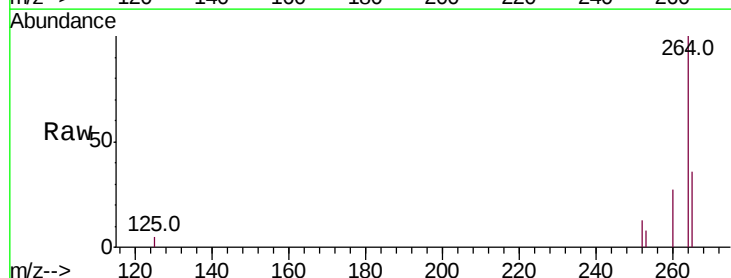
Tgt Ion:264 Resp: 9788

Ion Ratio Lower Upper

264 100

260 26.9 20.8 31.2

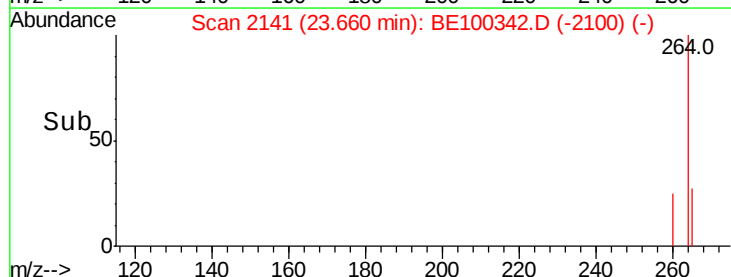
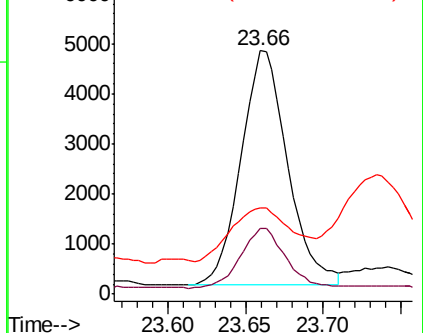
265 35.6 21.8 32.6#

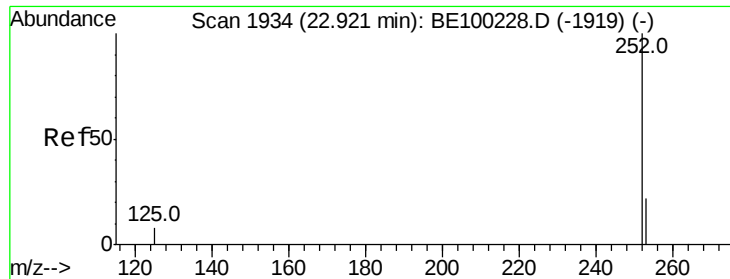


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

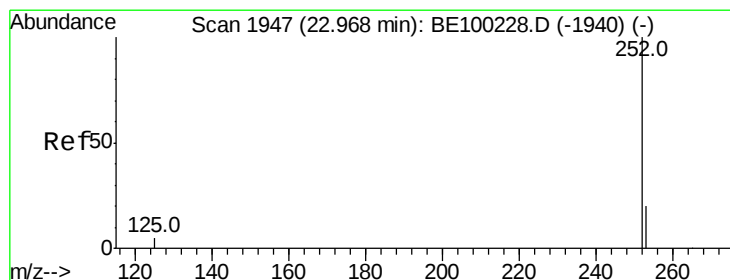
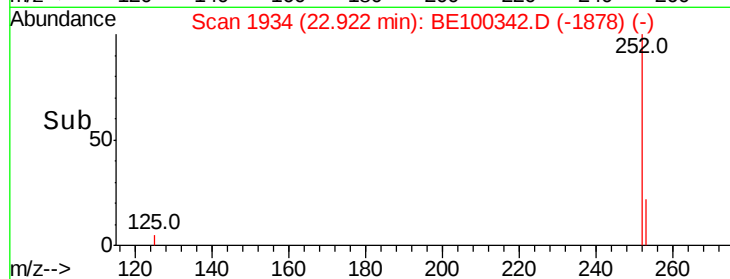
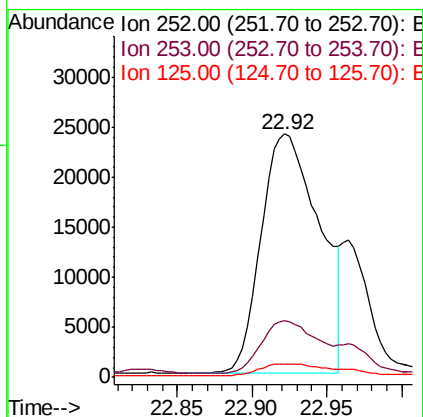
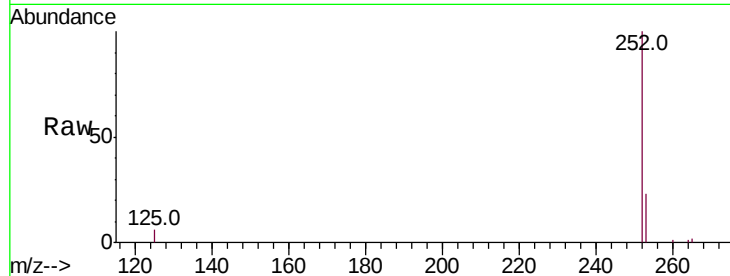




#35  
Benzo(b)fluoranthene  
Concen: 2.448 ng  
RT: 22.92 min Scan# 1934  
Delta R.T. 0.00 min  
Lab File: BE100342.D  
Acq: 3 Jul 2019 23:21

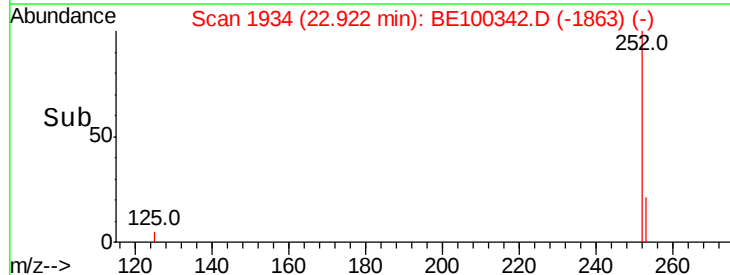
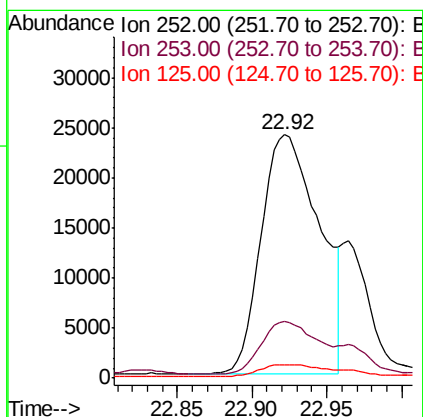
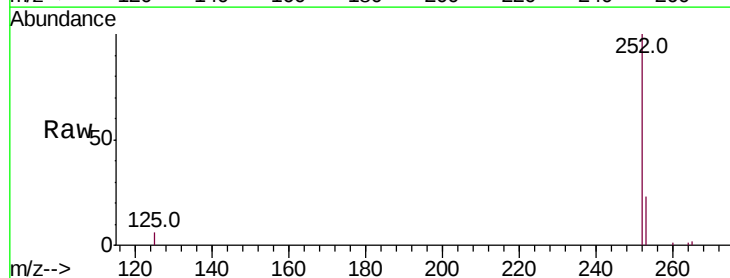
Instrument :  
BNA\_E  
ClientSampleId :  
EXT-016-SW096-062619

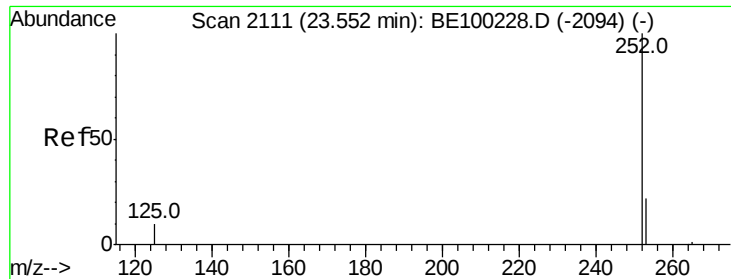
Tot Ion:252 Resp: 64964  
Ion Ratio Lower Upper  
252 100  
253 23.3 19.2 28.8  
125 5.6 7.4 11.0#



#36  
Benzo(k)fluoranthene  
Concen: 2.193 ng  
RT: 22.92 min Scan# 1934  
Delta R.T. -0.05 min  
Lab File: BE100342.D  
Acq: 3 Jul 2019 23:21

Tgt Ion:252 Resp: 64964  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.9 26.9  
125 5.6 5.0 7.4





#37

Benzo(a)pyrene

Concen: 0.319 ng

RT: 23.71 min Scan# 2156

Delta R.T. 0.16 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

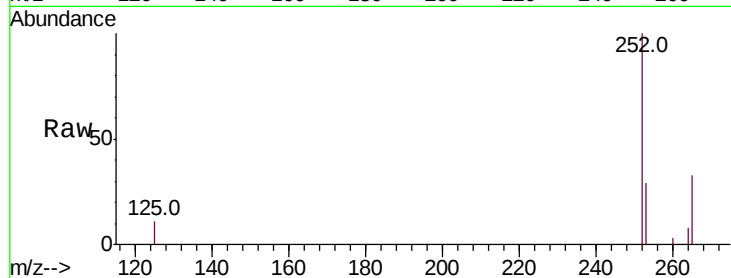
Tot Ion:252 Resp: 8487

Ion Ratio Lower Upper

252 100

253 28.5 19.6 29.4

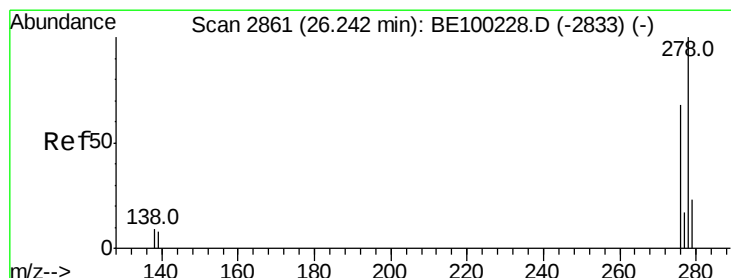
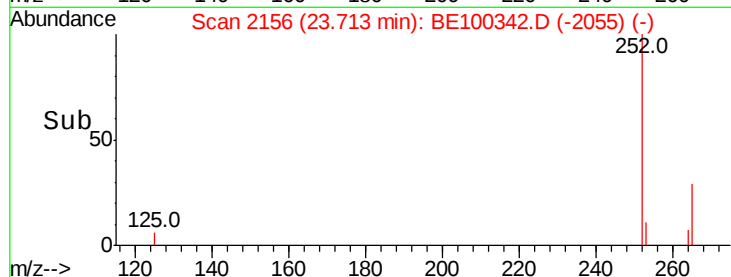
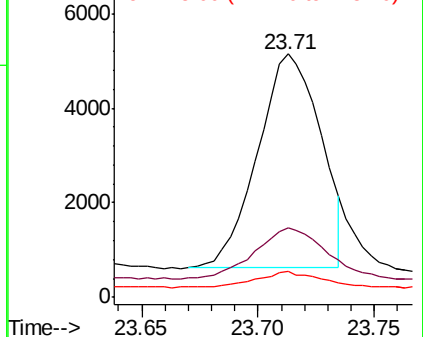
125 10.6 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.340 ng

RT: 26.22 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

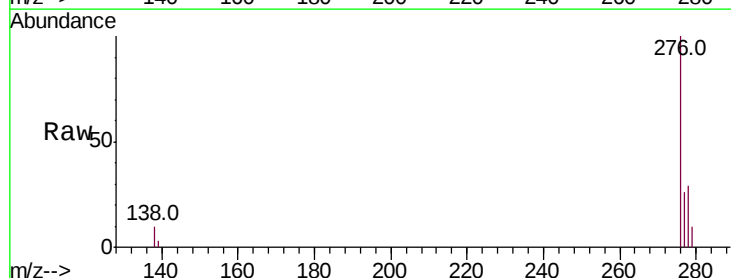
Tgt Ion:278 Resp: 9445

Ion Ratio Lower Upper

278 100

139 10.9 8.2 12.2

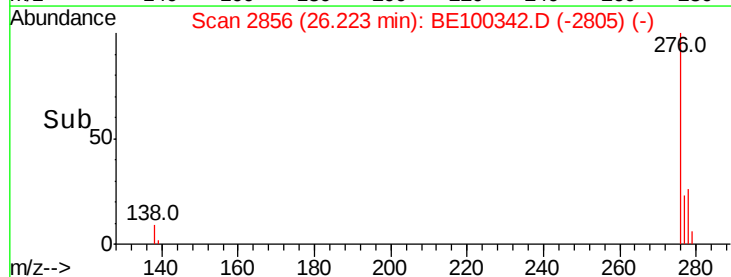
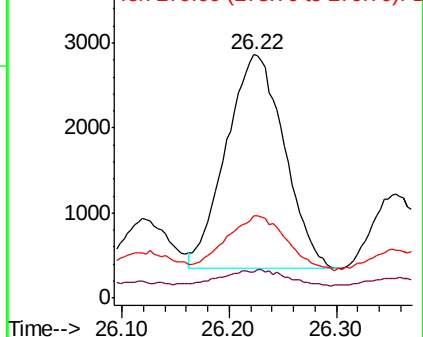
279 33.8 20.3 30.5#

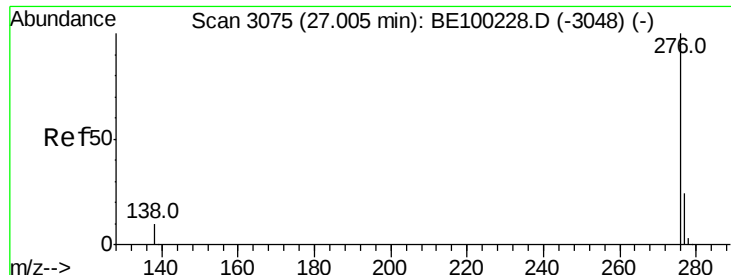


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 1.408 ng

RT: 27.00 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA\_E

ClientSampleId :

EXT-016-SW096-062619

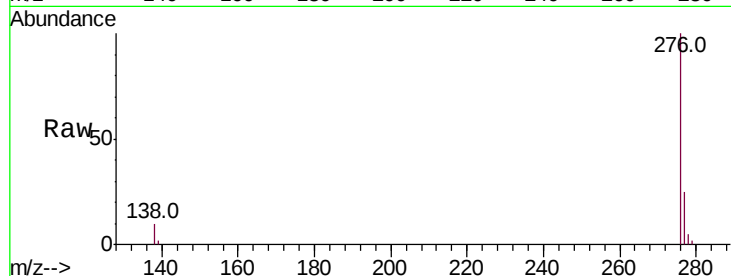
Tot Ion:276 Resp: 40181

Ion Ratio Lower Upper

276 100

277 24.8 20.2 30.2

138 10.3 9.0 13.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

