

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE061019\  
 Data File : BE099907.D  
 Acq On : 11 Jun 2019 1:21  
 Operator : JU/SJ  
 Sample : K3257-11  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FB01-20190606

Quant Time: Jun 11 06:00:44 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  | 824      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 2815     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 2110     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 7041     | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12          | 21.40 | 240  | 9212     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.93 | 264  | 11032    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.36  | 112  | 196      | 0.09 | ng    | 0.00     |
| 5) Phenol-d6                | 7.00  | 99   | 192      | 0.07 | ng    | 0.03     |
| 8) Nitrobenzene-d5          | 8.98  | 82   | 1031     | 0.39 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152  | 1772     | 0.36 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330  | 21       | 0.01 | ng    | 0.03     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 3554     | 0.44 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.25 | 212  | 36607    | 0.36 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.85 | 244  | 9196     | 0.55 | ng    | 0.00     |

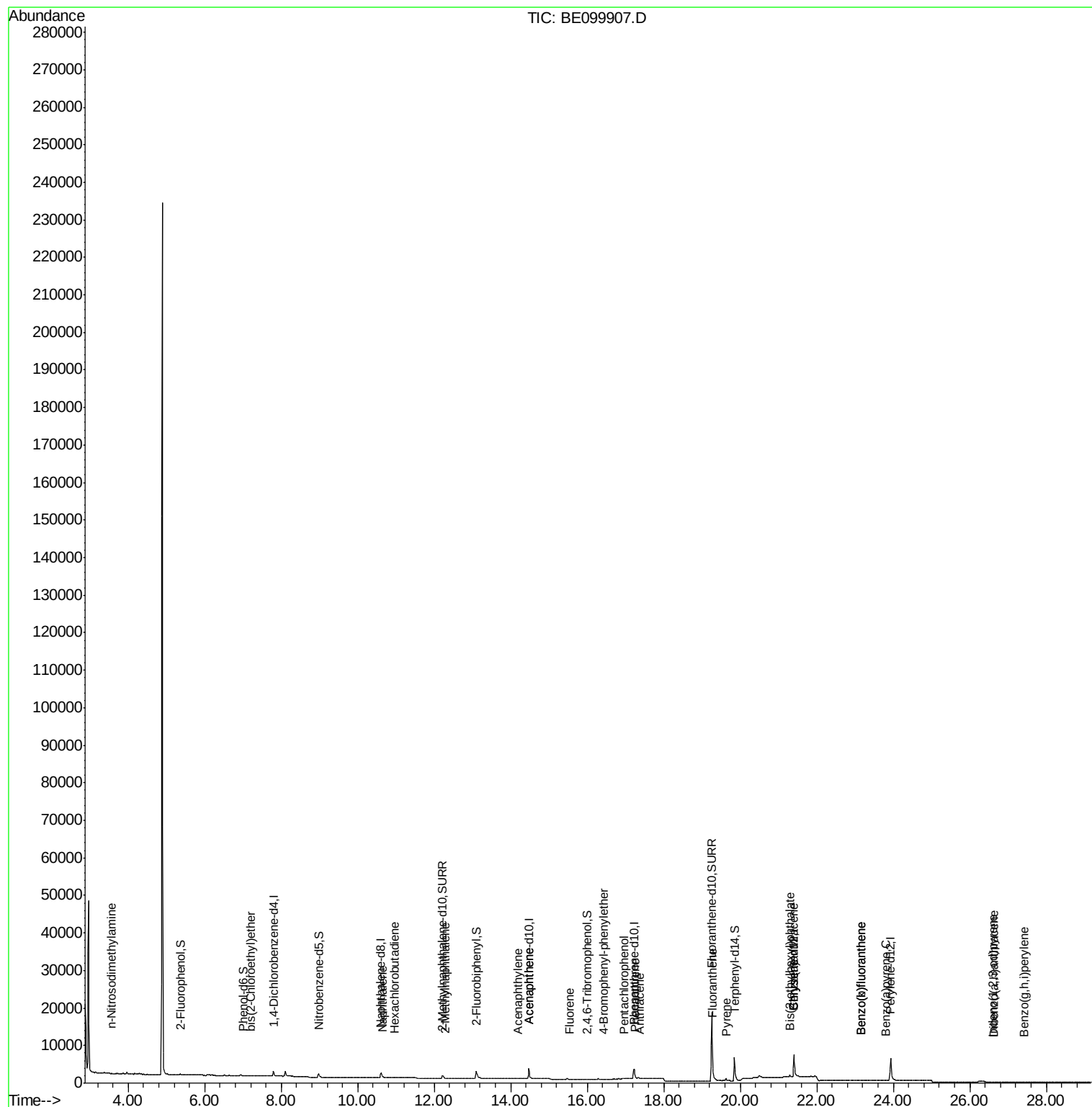
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 3) n-Nitrosodimethylamine      | 3.55  | 42   | 26       | 0.037 | ng    | # 100  |
| 6) bis(2-Chloroethyl)ether     | 7.21  | 93   | 15       | 0.006 | ng    | # 1    |
| 9) Naphthalene                 | 10.65 | 128  | 421      | 0.014 | ng    | # 62   |
| 10) Hexachlorobutadiene        | 10.97 | 225  | 3        | 0.001 | ng    | # 18   |
| 12) 2-Methylnaphthalene        | 12.28 | 142  | 4        | 0.001 | ng    | # 61   |
| 16) Acenaphthylene             | 14.20 | 152  | 16       | 0.002 | ng    | # 61   |
| 17) Acenaphthene               | 14.47 | 154  | 8        | 0.001 | ng    | # 3    |
| 18) Fluorene                   | 15.54 | 166  | 6        | 0.001 | ng    | # 1    |
| 20) 4-Bromophenyl-phenylether  | 16.44 | 248  | 6        | 0.002 | ng    | # 73   |
| 22) Pentachlorophenol          | 16.96 | 266  | 6        | 0.303 | ng    | # 84   |
| 23) Phenanthrene               | 17.25 | 178  | 23       | 0.001 | ng    | # 60   |
| 24) Anthracene                 | 17.36 | 178  | 16       | 0.001 | ng    | # 52   |
| 26) Fluoranthene               | 19.28 | 202  | 19       | 0.001 | ng    | # 59   |
| 28) Pyrene                     | 19.65 | 202  | 23       | 0.001 | ng    | # 88   |
| 30) Benzo(a)anthracene         | 21.40 | 228  | 73       | 0.003 | ng    | # 1    |
| 31) Chrysene                   | 21.40 | 228  | 62       | 0.002 | ng    | # 1    |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 646      | 0.016 | ng    | # 96   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.60 | 276  | 7        | 0.000 | ng    | # 73   |
| 35) Benzo(b)fluoranthene       | 23.15 | 252  | 64       | 0.002 | ng    | # 1    |
| 36) Benzo(k)fluoranthene       | 23.15 | 252  | 64       | 0.002 | ng    | # 1    |
| 37) Benzo(a)pyrene             | 23.81 | 252  | 5        | 0.000 | ng    | # 1    |
| 38) Dibenzo(a,h)anthracene     | 26.63 | 278  | 3        | 0.000 | ng    | # 1    |
| 39) Benzo(g,h,i)perylene       | 27.43 | 276  | 2        | 0.000 | ng    | # 1    |

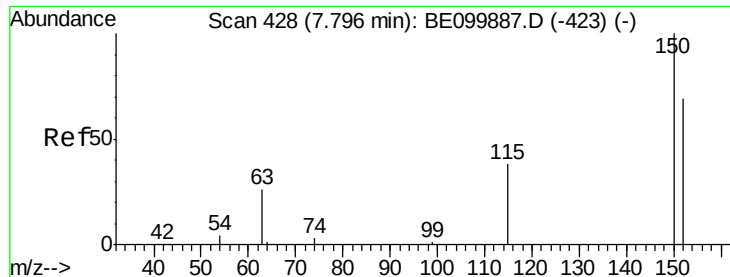
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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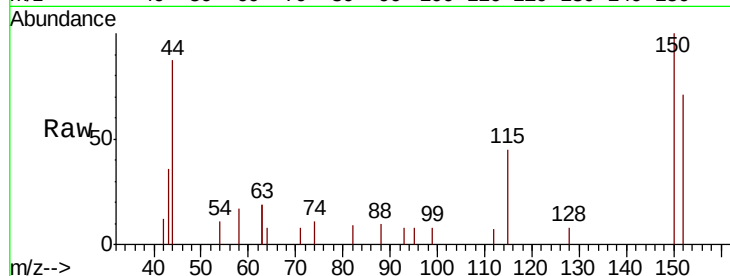


#1

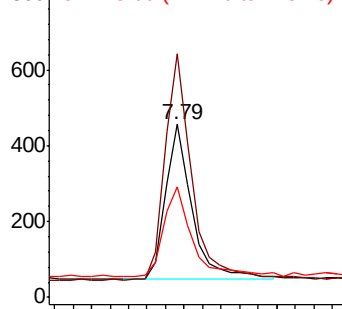
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.79 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: BE099907.D  
Acq: 11 Jun 2019 1:21

Instrument :  
BNA\_E  
ClientSampleId :  
FB01-20190606

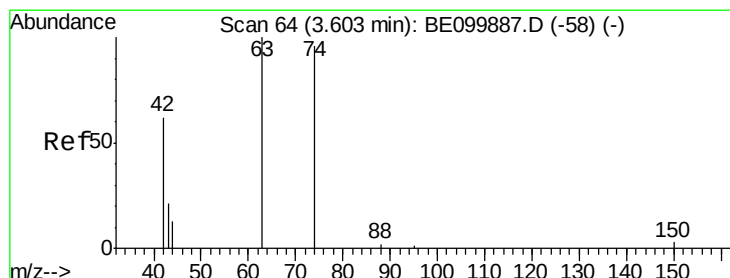
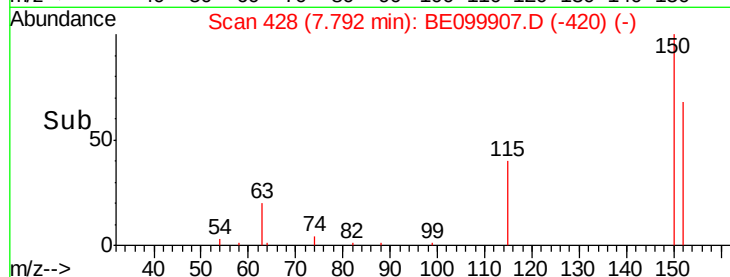
Tgt Ion: 152 Resp: 824  
Ion Ratio Lower Upper  
152 100  
150 140.8 111.0 166.6  
115 64.0 50.7 76.1



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



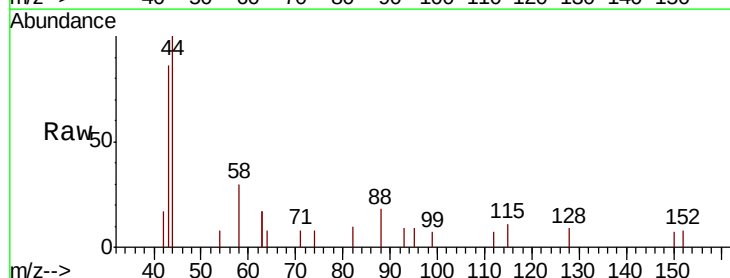
Time-->



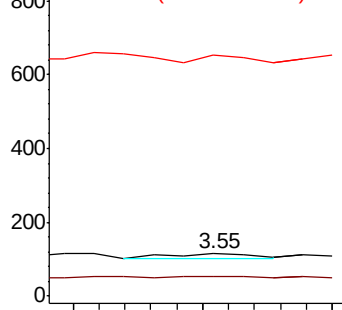
#3

n-Nitrosodimethylamine  
Concen: 0.037 ng  
RT: 3.55 min Scan# 60  
Delta R.T. -0.05 min  
Lab File: BE099907.D  
Acq: 11 Jun 2019 1:21

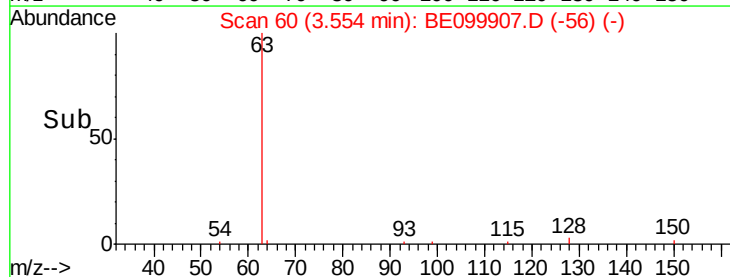
Tgt Ion: 42 Resp: 26  
Ion Ratio Lower Upper  
42 100  
74 11.5 0.0 0.0#  
44 96.2 0.0 0.0#

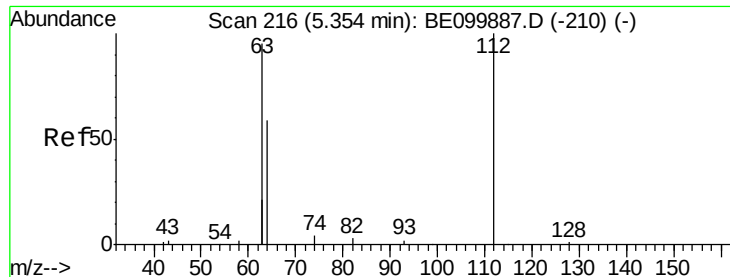


Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0



Time-->





#4

2-Fluorophenol

Concen: 0.088 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

Instrument :

BNA\_E

ClientSampleId :

FB01-20190606

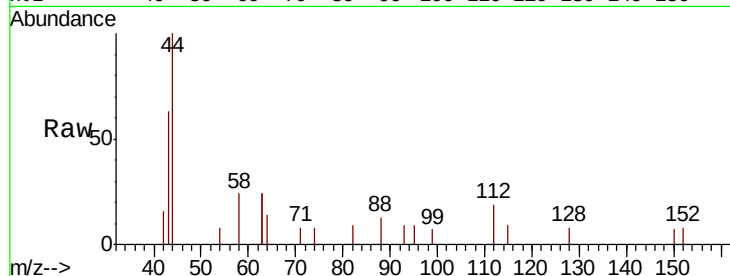
Tgt Ion: 112 Resp: 196

Ion Ratio Lower Upper

112 100

64 47.4 44.1 66.1

63 96.4 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

400

300

200

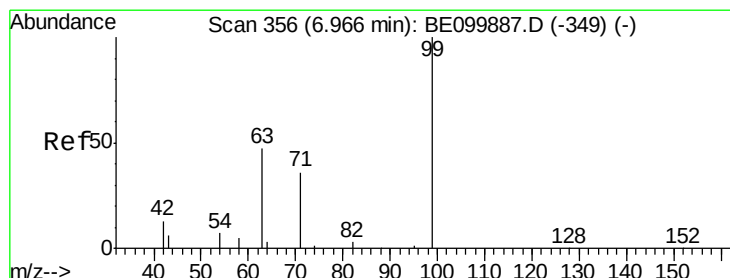
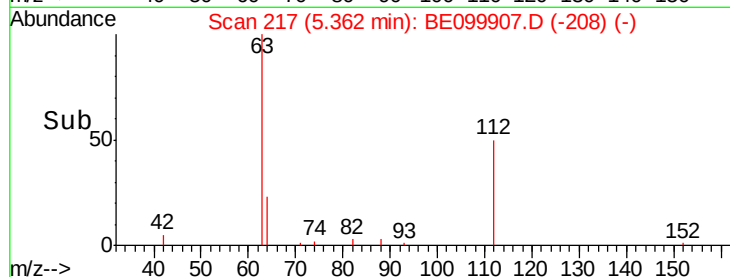
100

0

5.20 5.30 5.40 5.50

5.36

Time-->



#5

Phenol-d6

Concen: 0.067 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.03 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

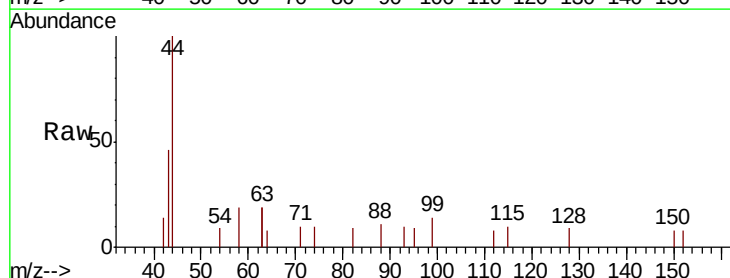
Tgt Ion: 99 Resp: 192

Ion Ratio Lower Upper

99 100

42 0.0 15.9 23.9#

71 0.0 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

80

60

40

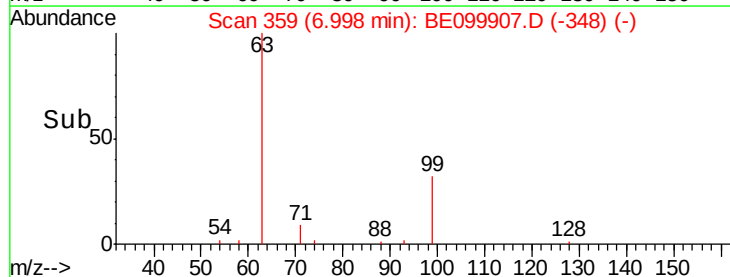
20

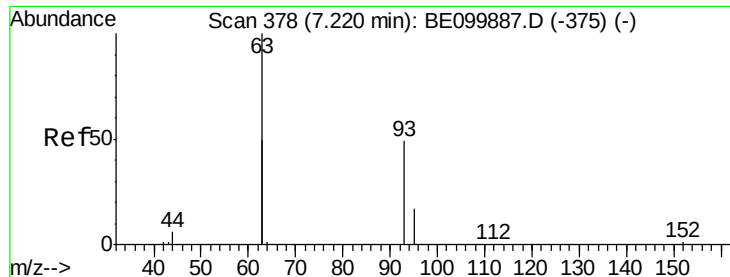
0

6.80 6.90 7.00 7.10 7.20

7.00

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.006 ng

RT: 7.21 min Scan# 377

Delta R.T. -0.01 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

Instrument :

BNA\_E

ClientSampleId :

FB01-20190606

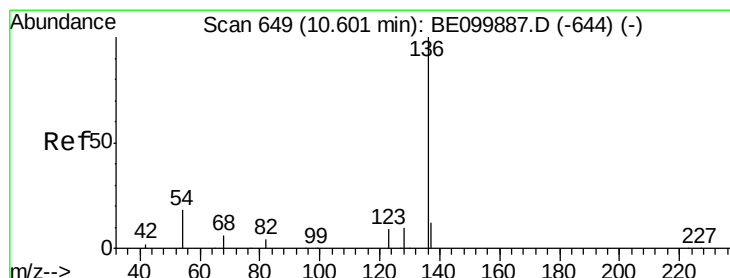
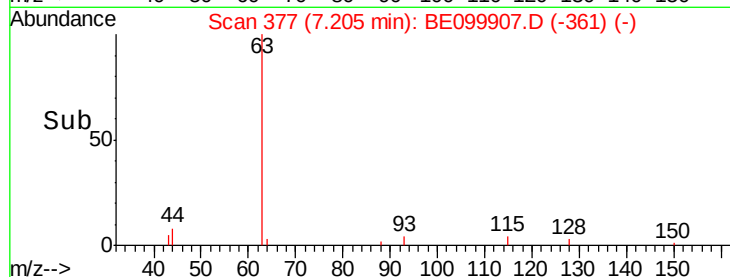
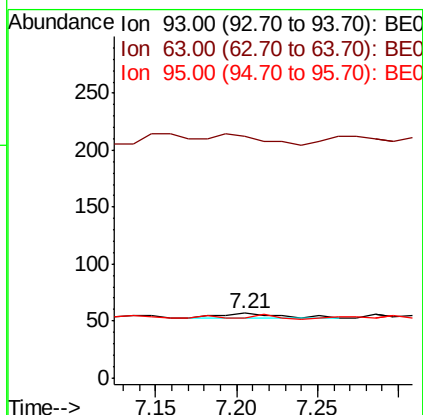
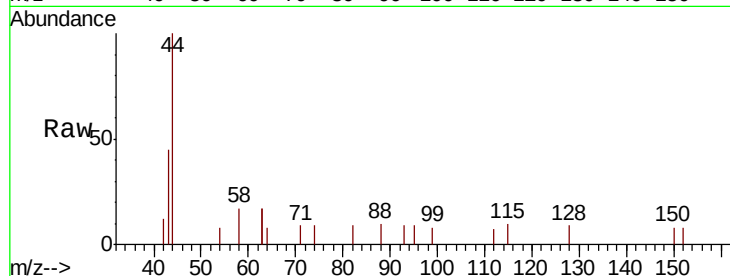
Tgt Ion: 93 Resp: 15

Ion Ratio Lower Upper

93 100

63 0.0 202.8 304.2#

95 26.7 23.7 35.5



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

Tgt Ion: 136 Resp: 2815

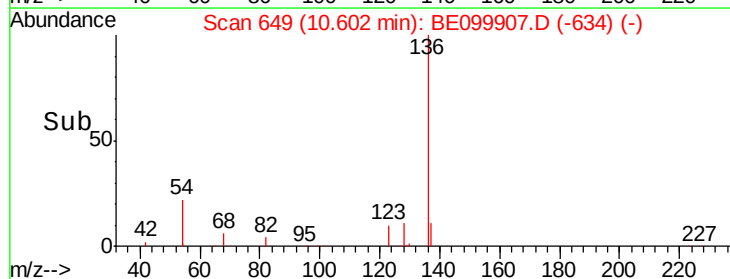
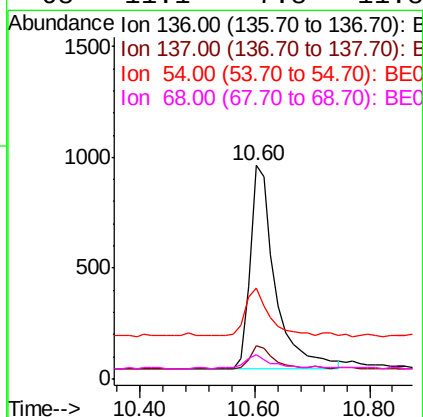
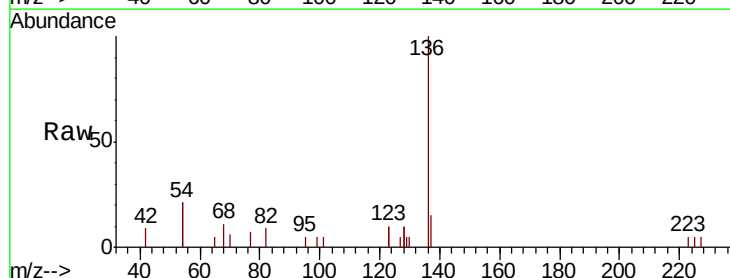
Ion Ratio Lower Upper

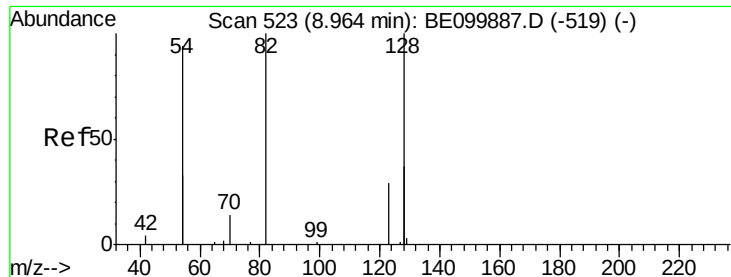
136 100

137 15.4 12.3 18.5

54 42.5 28.2 42.4#

68 11.1 7.8 11.8





#8

Nitrobenzene-d5

Concen: 0.387 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

Instrument :

BNA\_E

ClientSampleId :

FB01-20190606

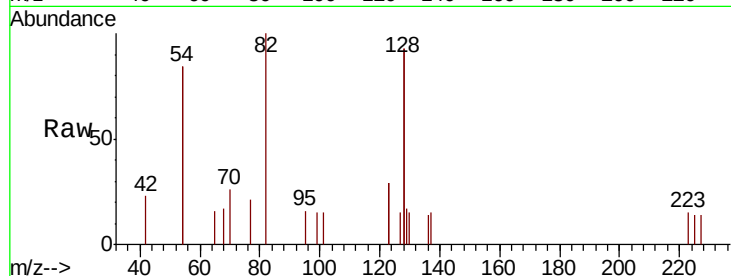
Tgt Ion: 82 Resp: 1031

Ion Ratio Lower Upper

82 100

128 186.9 137.3 205.9

54 168.2 129.7 194.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

800

600

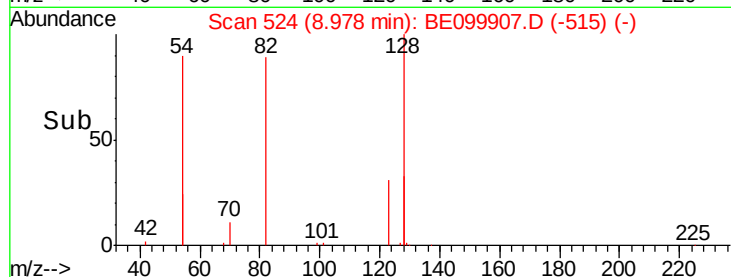
400

200

0

8.80 8.90 9.00 9.10

Time-->



#9

Naphthalene

Concen: 0.014 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

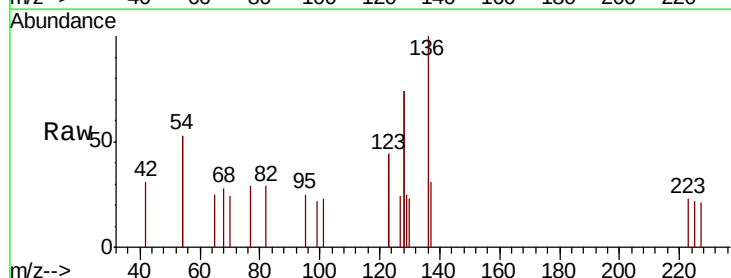
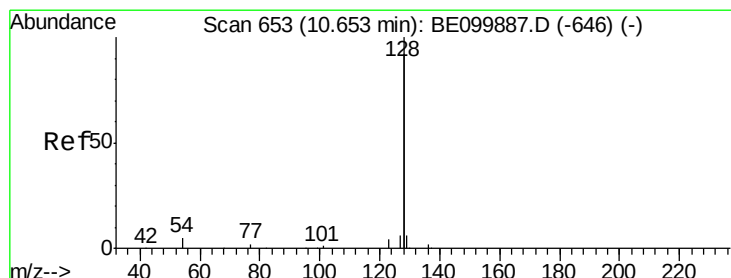
Tgt Ion: 128 Resp: 421

Ion Ratio Lower Upper

128 100

129 17.0 3.0 4.6#

127 16.3 3.4 5.0#



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

400

300

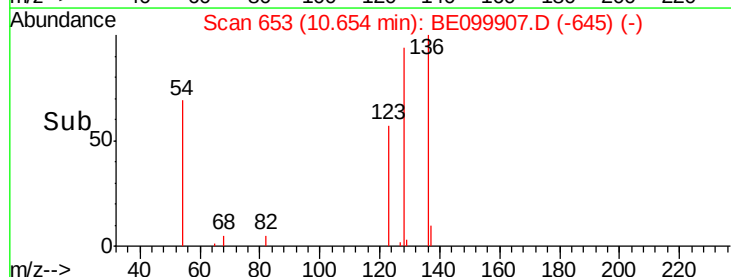
200

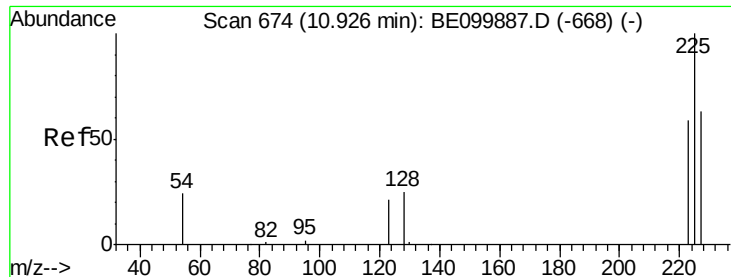
100

0

10.50 10.60 10.70 10.80

Time-->

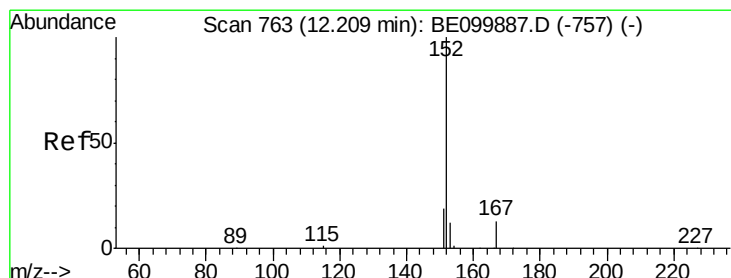
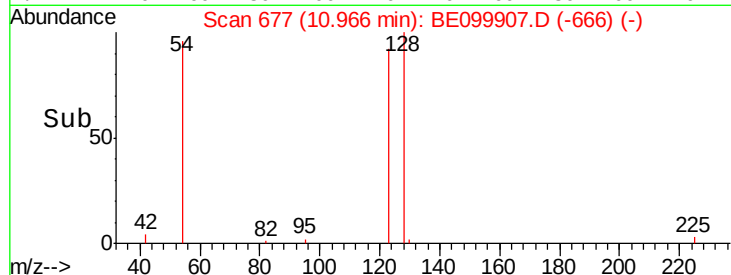
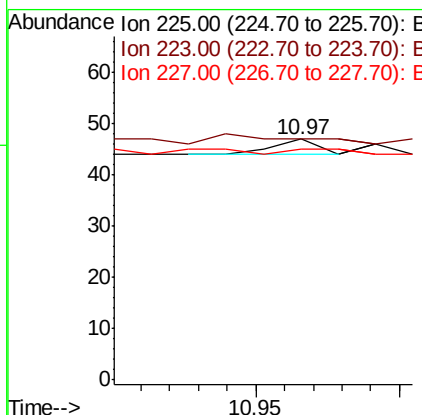
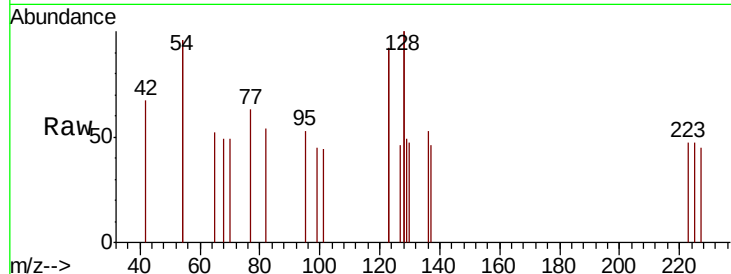




#10  
 Hexachlorobutadiene  
 Concen: 0.001 ng  
 RT: 10.97 min Scan# 677  
 Delta R.T. 0.04 min  
 Lab File: BE099907.D  
 Acq: 11 Jun 2019 1:21

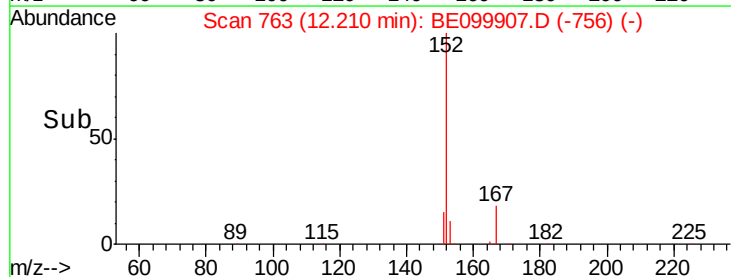
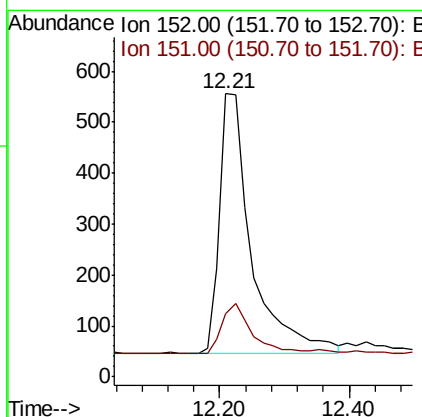
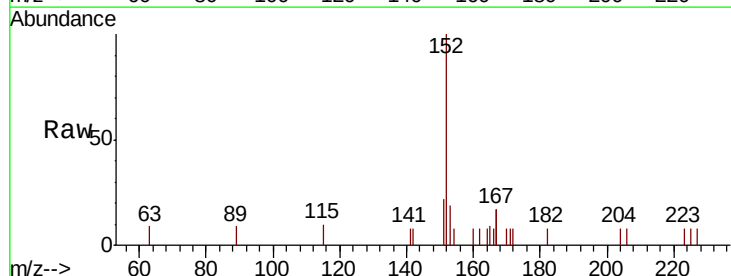
Instrument :  
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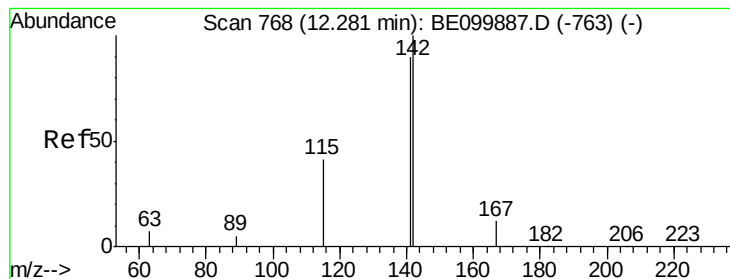
Tgt Ion: 225 Resp: 3  
 Ion Ratio Lower Upper  
 225 100  
 223 0.0 51.6 77.4#  
 227 0.0 50.6 76.0#



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.361 ng  
 RT: 12.21 min Scan# 763  
 Delta R.T. 0.00 min  
 Lab File: BE099907.D  
 Acq: 11 Jun 2019 1:21

Tgt Ion: 152 Resp: 1772  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.2 22.8





#12

2-Methylnaphthalene

Concen: 0.001 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

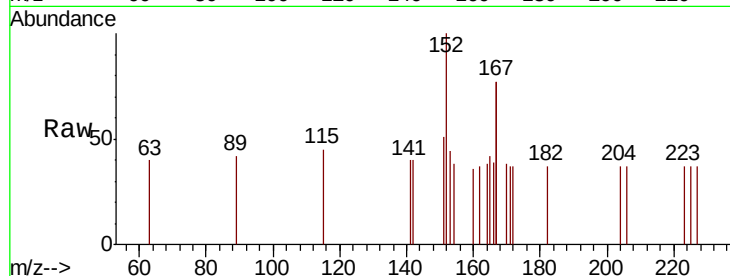
Instrument :

BNA\_E

ClientSampleId :

FB01-20190606

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 4     |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 98.0  | 72.3  | 108.5 |
| 115      | 112.2 | 36.4  | 54.6# |

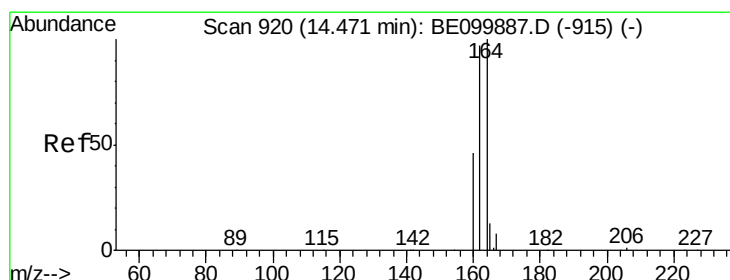
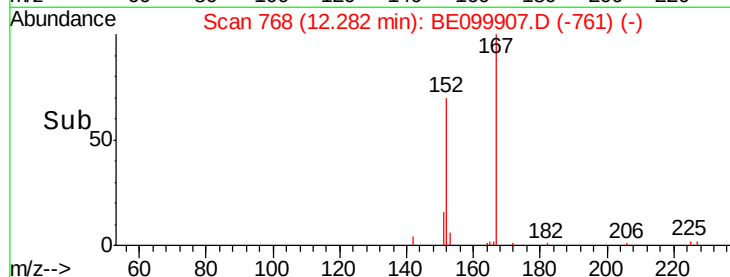
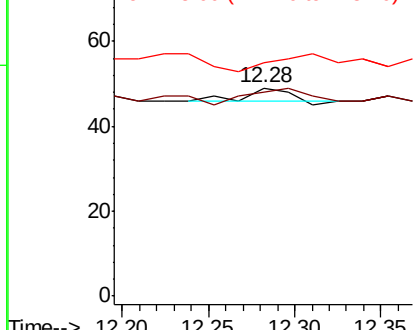


Abundance

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

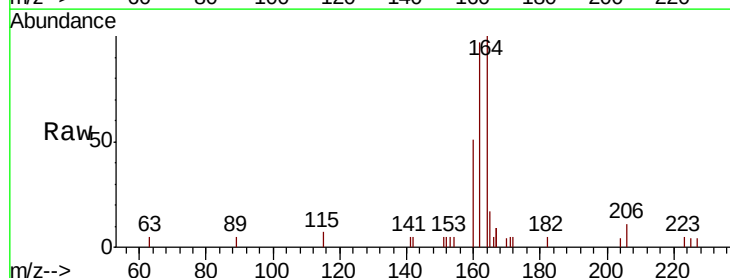
RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 2110  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 97.2  | 77.8  | 116.8 |
| 160      | 50.9  | 38.2  | 57.4  |

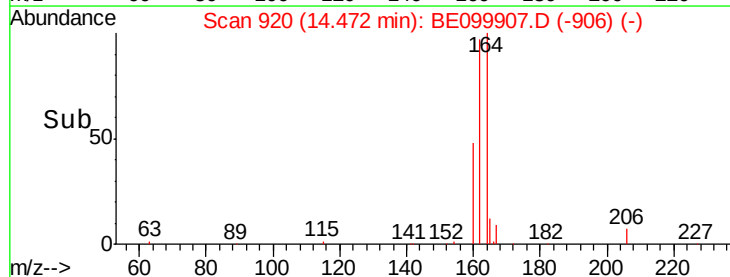
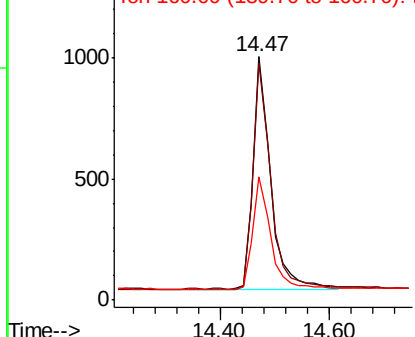


Abundance

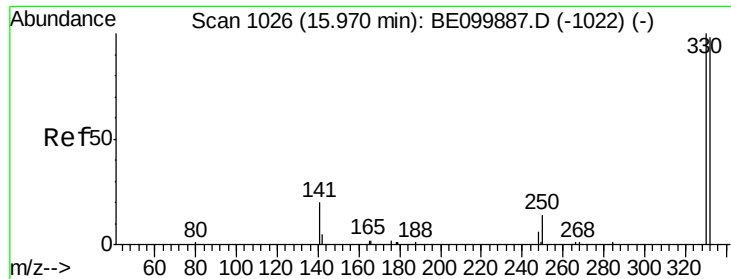
Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



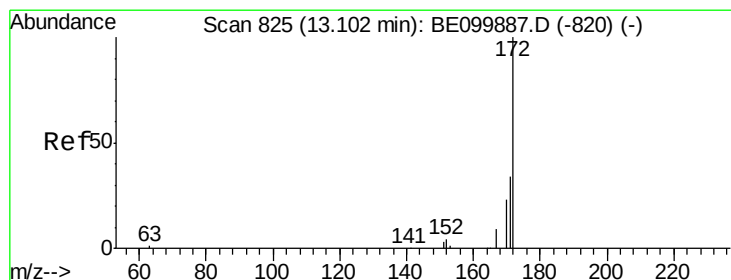
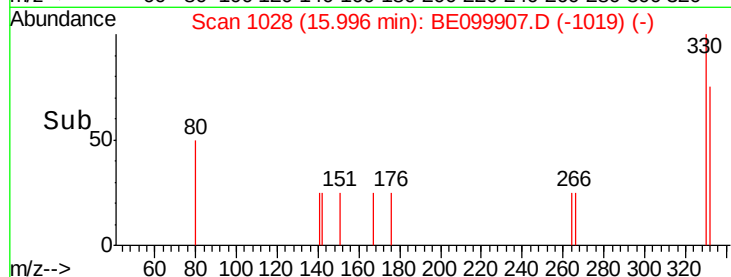
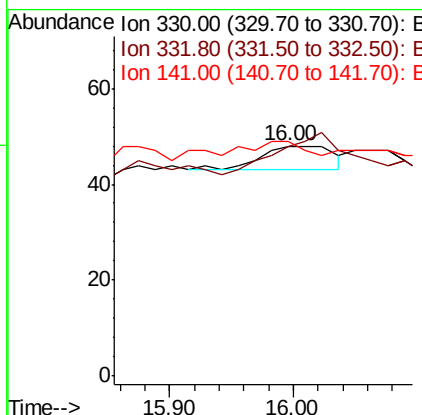
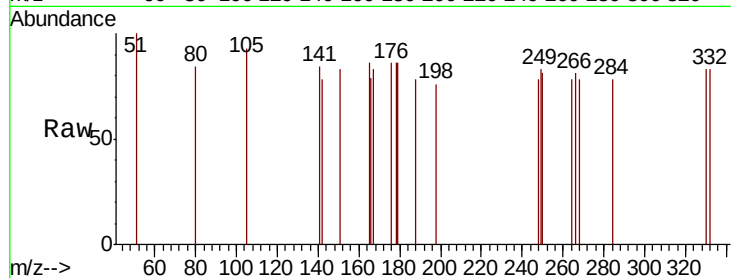




#14  
2,4,6-Tribromophenol  
Concen: 0.013 ng  
RT: 16.00 min Scan# 1028  
Delta R.T. 0.03 min  
Lab File: BE099907.D  
Acq: 11 Jun 2019 1:21

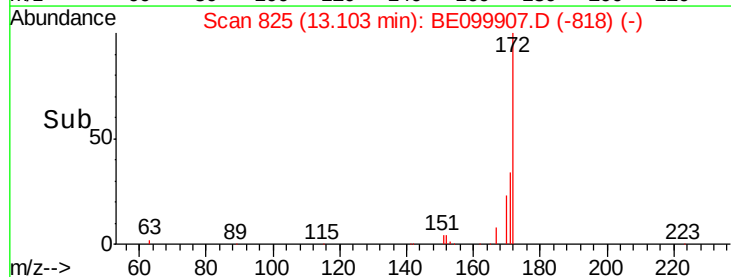
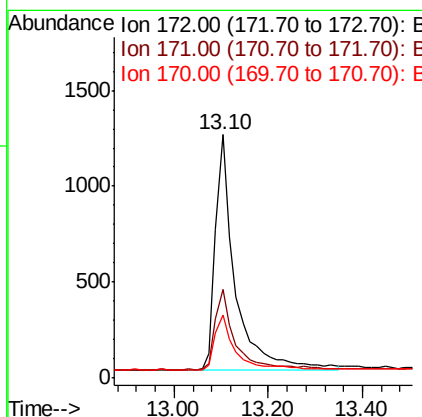
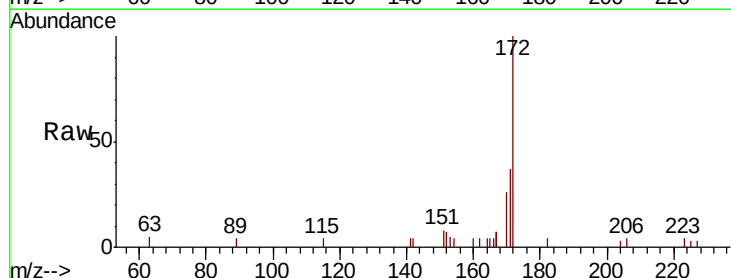
Instrument :  
BNA\_E  
ClientSampleId :  
FB01-20190606

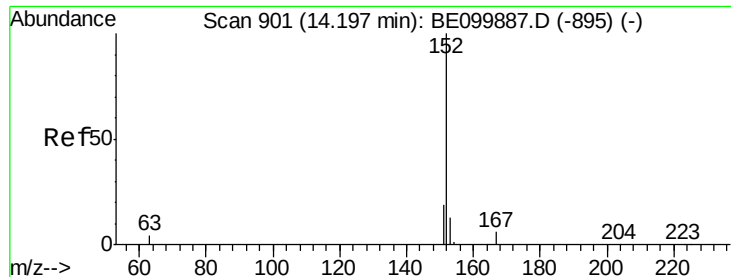
Tgt Ion: 330 Resp: 21  
Ion Ratio Lower Upper  
330 100  
332 0.0 76.7 115.1#  
141 81.0 21.0 31.6#



#15  
2-Fluorobiphenyl  
Concen: 0.444 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099907.D  
Acq: 11 Jun 2019 1:21

Tgt Ion: 172 Resp: 3554  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.2 43.8  
170 26.0 21.2 31.8

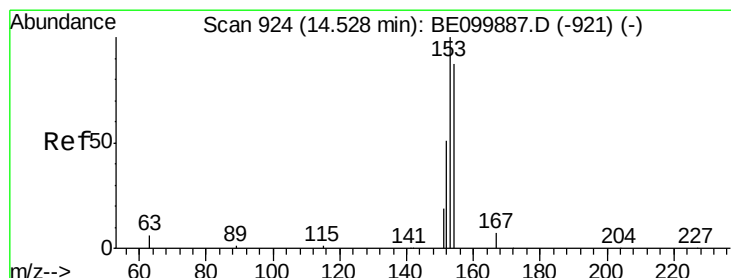
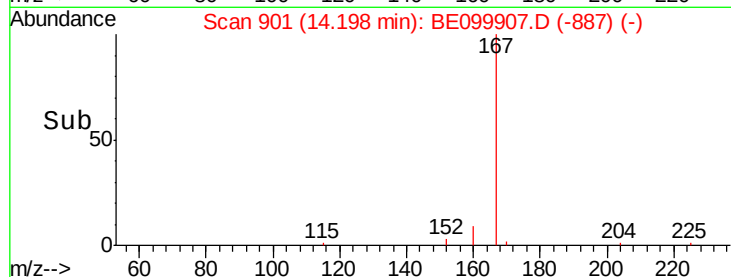
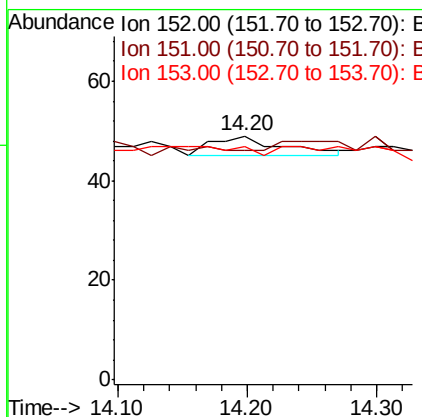
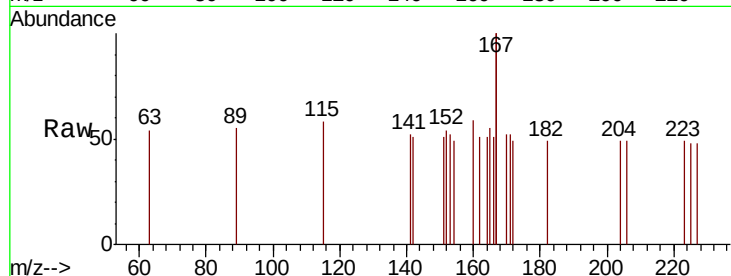




#16  
Acenaphthylene  
Concen: 0.002 ng  
RT: 14.20 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BE099907.D  
Acq: 11 Jun 2019 1:21

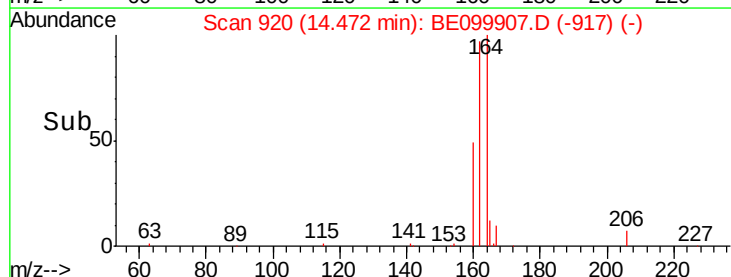
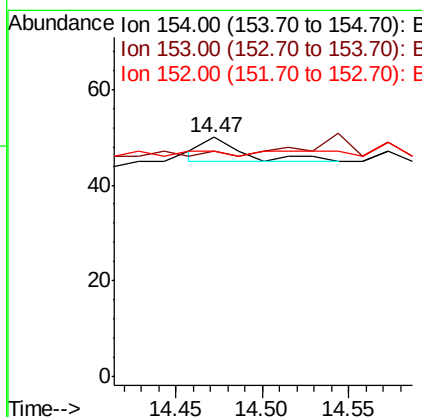
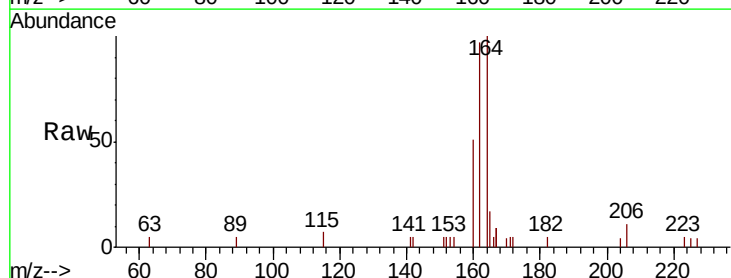
Instrument :  
BNA\_E  
ClientSampleId :  
FB01-20190606

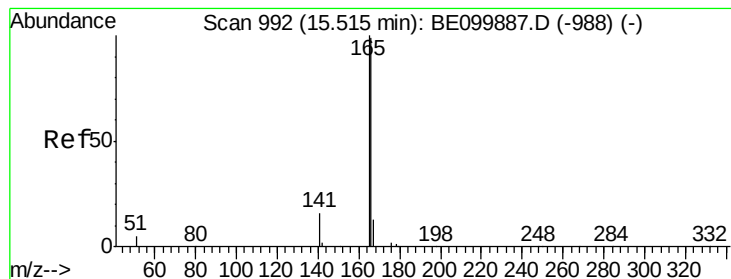
Tgt Ion:152 Resp: 16  
Ion Ratio Lower Upper  
152 100  
151 0.0 15.5 23.3#  
153 0.0 10.2 15.2#



#17  
Acenaphthene  
Concen: 0.001 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.06 min  
Lab File: BE099907.D  
Acq: 11 Jun 2019 1:21

Tgt Ion:154 Resp: 8  
Ion Ratio Lower Upper  
154 100  
153 0.0 93.1 139.7#  
152 0.0 47.0 70.4#





#18

Fluorene

Concen: 0.001 ng

RT: 15.54 min Scan# 994

Delta R.T. 0.03 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

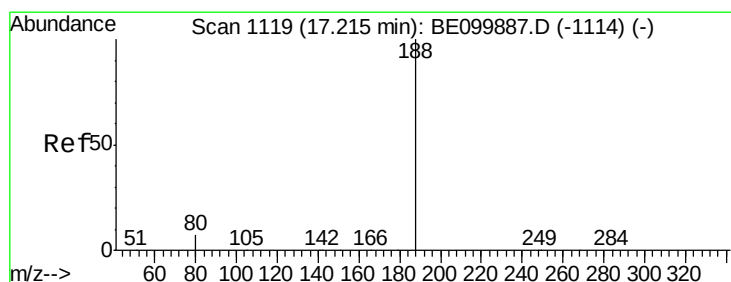
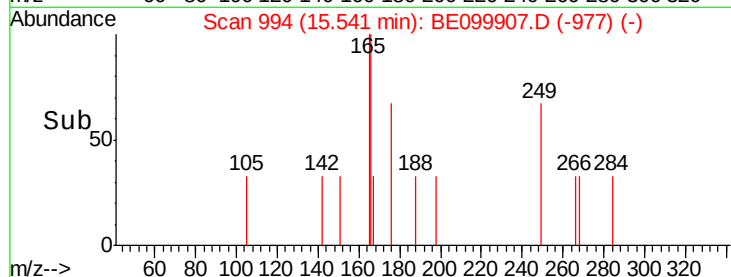
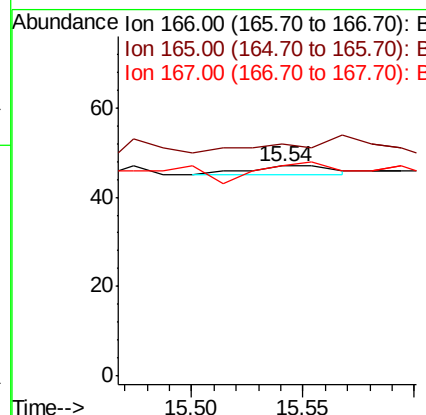
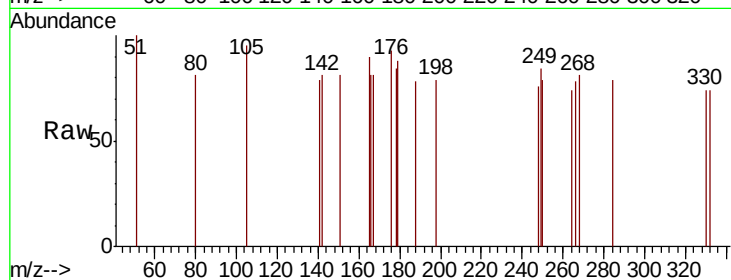
Instrument :

BNA\_E

ClientSampleId :

FB01-20190606

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 6      |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 0.0   | 81.8  | 122.8# |
| 167      | 233.3 | 11.2  | 16.8#  |



#19

Phenanthrene-d10

Concen: 0.400 ng

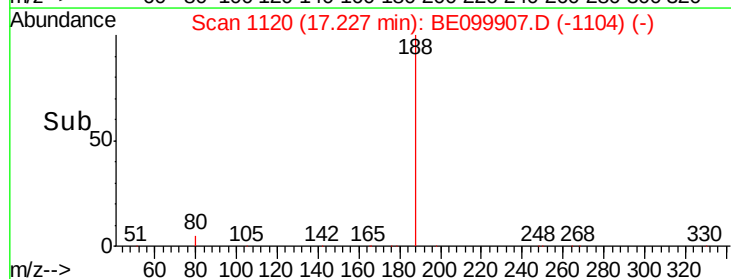
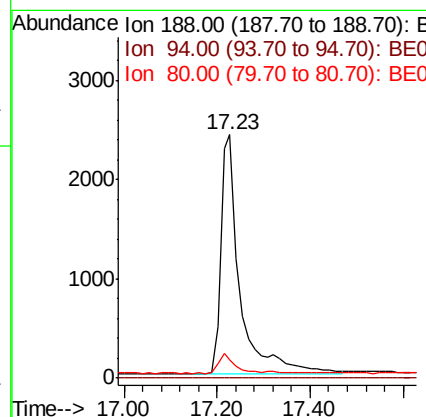
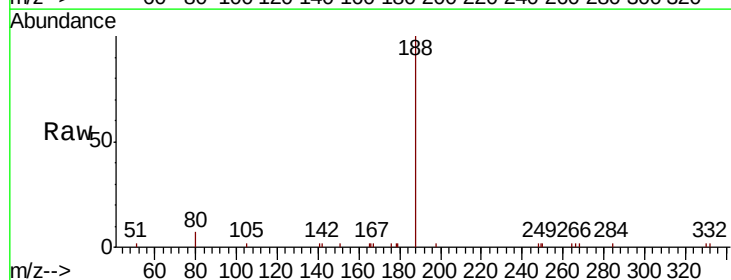
RT: 17.23 min Scan# 1120

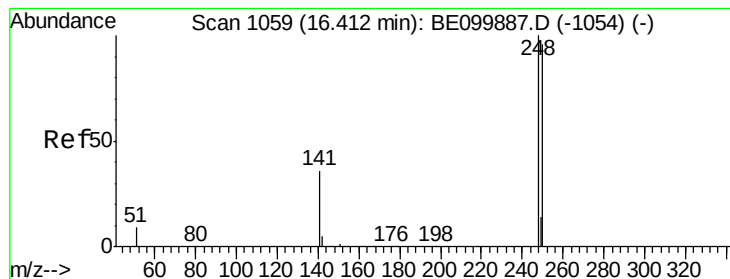
Delta R.T. 0.01 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 7041  |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 7.4   | 6.4   | 9.6   |





#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.03 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

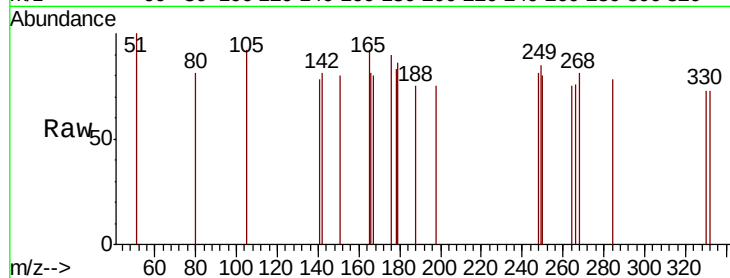
Instrument :

BNA\_E

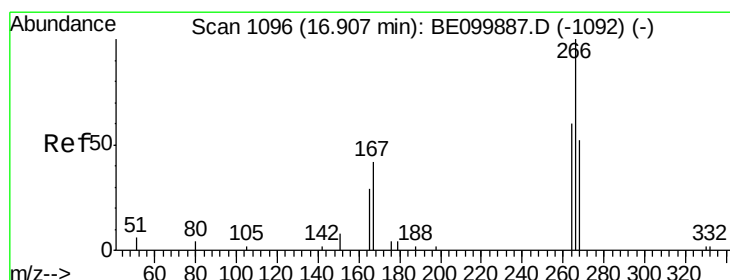
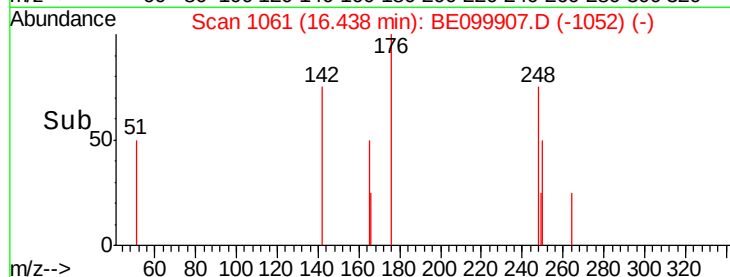
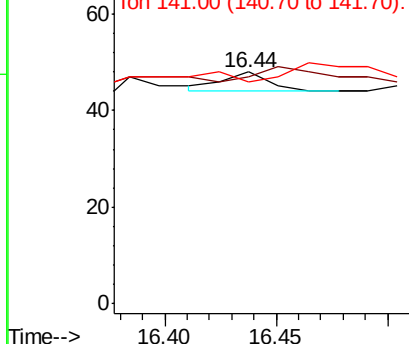
ClientSampleId :

FB01-20190606

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 248   | Resp: | 6     |
| Ion      | Ratio | Lower | Upper |
| 248      | 100   |       |       |
| 250      | 97.9  | 77.5  | 116.3 |
| 141      | 95.8  | 31.8  | 47.8# |



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E



#22

Pentachlorophenol

Concen: 0.303 ng

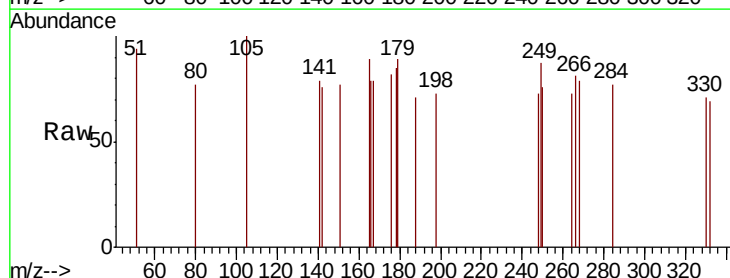
RT: 16.96 min Scan# 1100

Delta R.T. 0.05 min

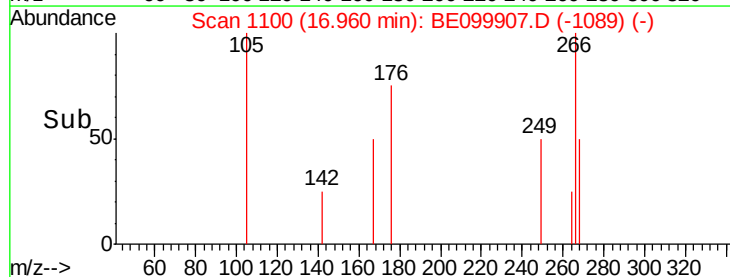
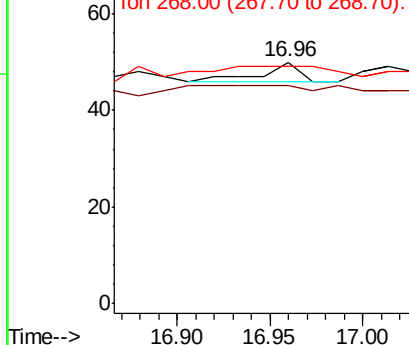
Lab File: BE099907.D

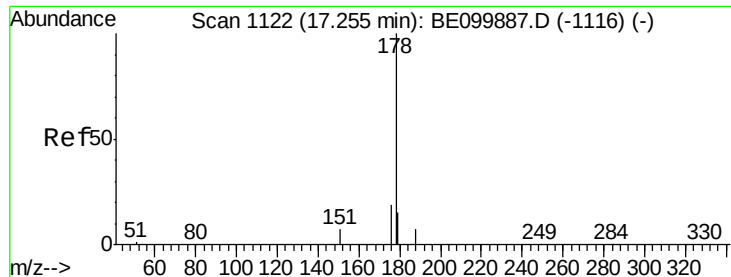
Acq: 11 Jun 2019 1:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 6     |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 90.0  | 62.2  | 93.2  |
| 268      | 98.0  | 65.5  | 98.3  |



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





#23

Phenanthrene

Concen: 0.001 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

Instrument :

BNA\_E

ClientSampleId :

FB01-20190606

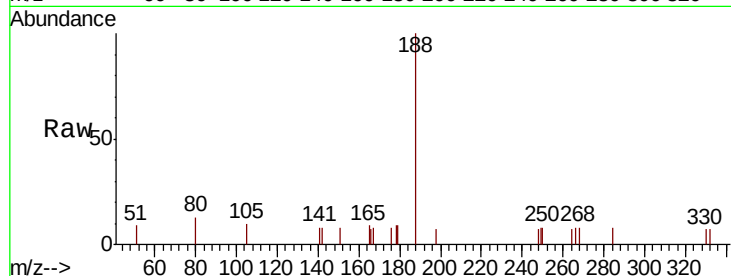
Tgt Ion:178 Resp: 23

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

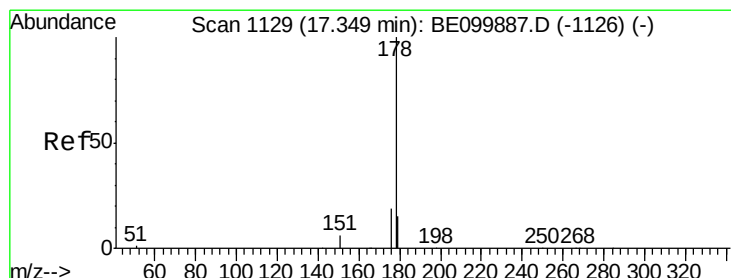
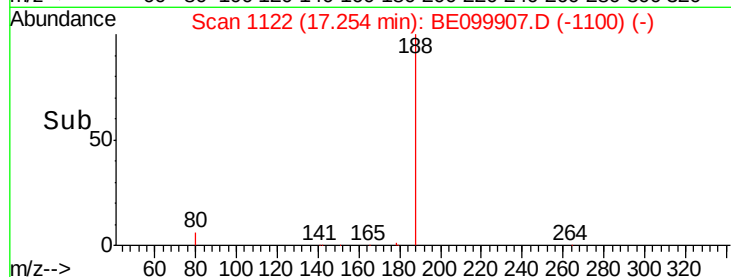
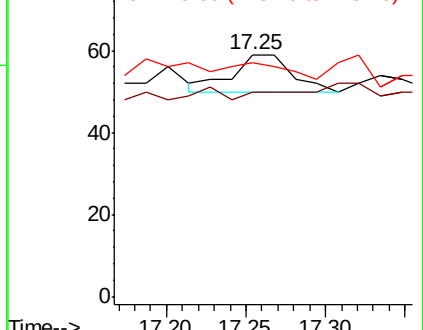
179 0.0 12.4 18.6#



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: 0.001 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

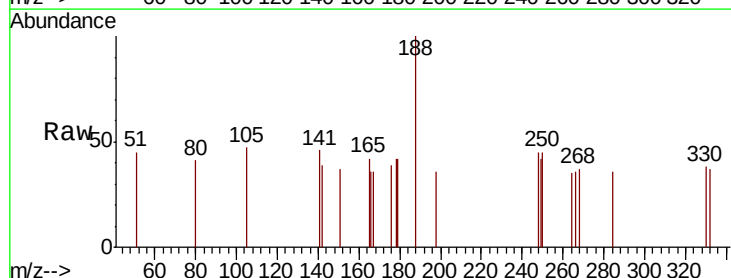
Tgt Ion:178 Resp: 16

Ion Ratio Lower Upper

178 100

176 43.8 14.6 22.0#

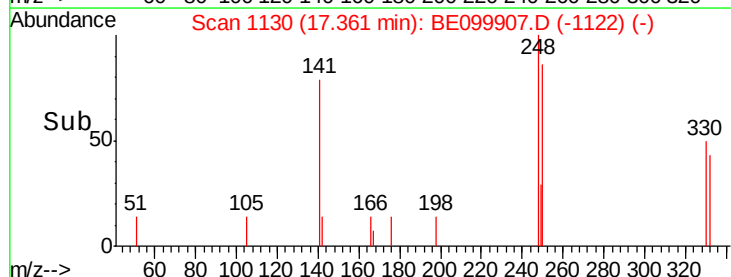
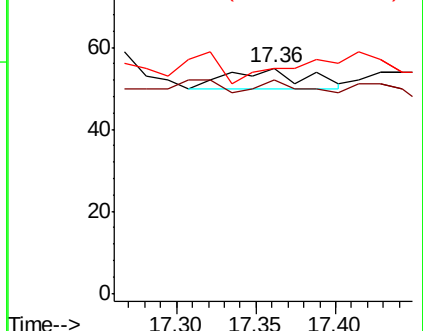
179 0.0 12.3 18.5#

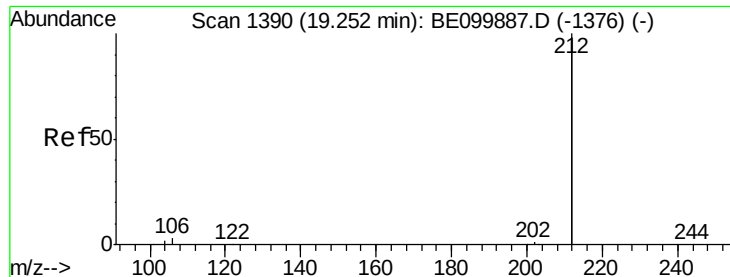


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.357 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

Instrument :

BNA\_E

ClientSampleId :

FB01-20190606

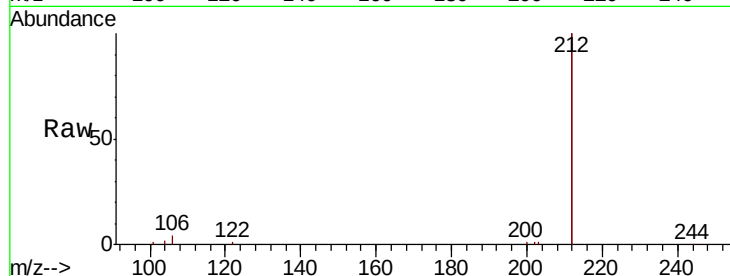
Tgt Ion:212 Resp: 36607

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

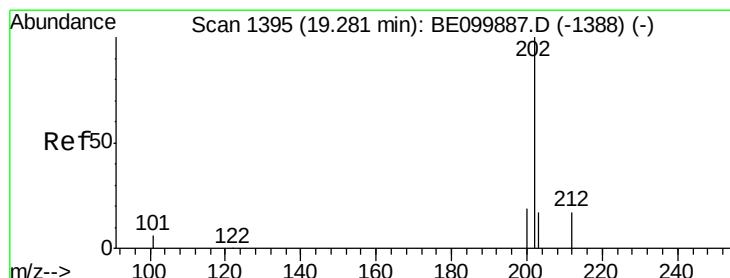
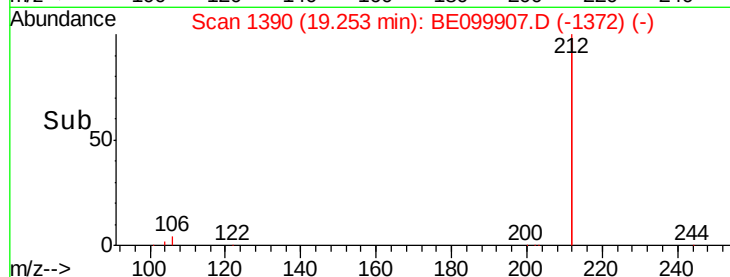
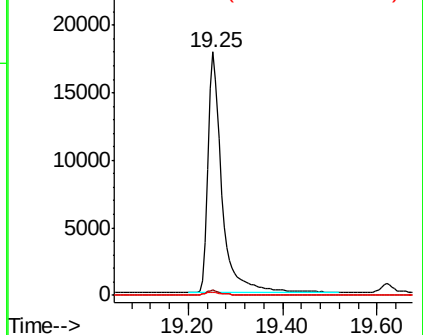
104 1.0 0.9 1.3



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



#26

Fluoranthene

Concen: 0.001 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

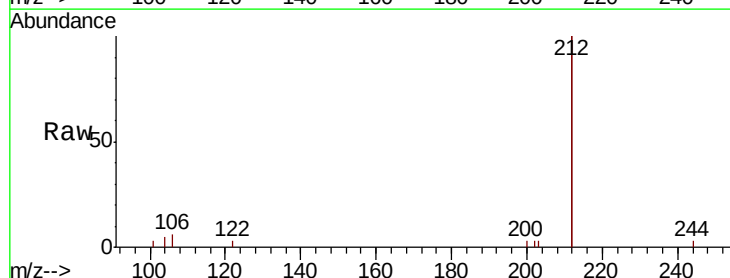
Tgt Ion:202 Resp: 19

Ion Ratio Lower Upper

202 100

101 15.8 5.4 8.0#

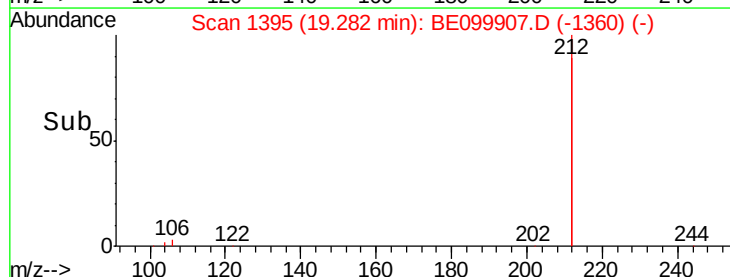
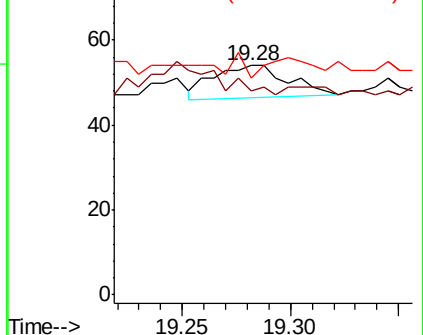
203 36.8 13.2 19.8#

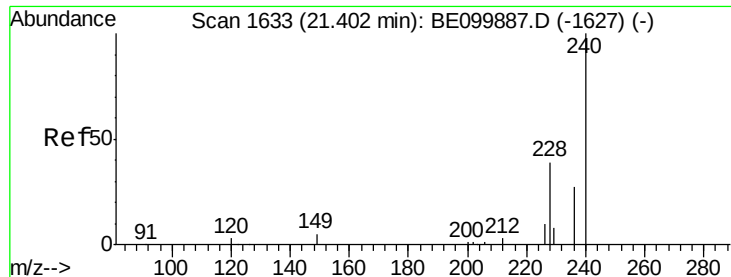


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

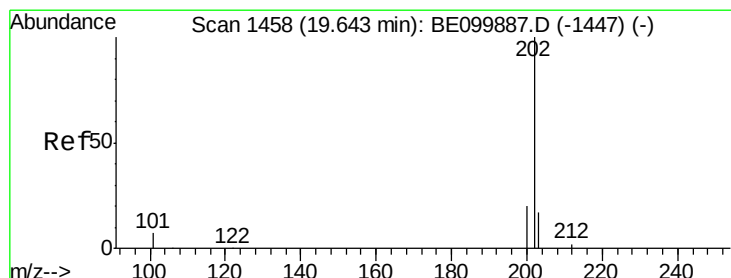
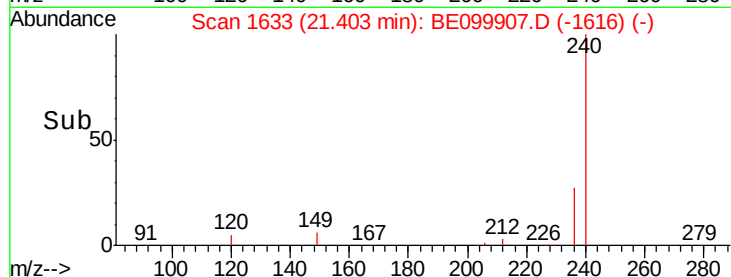
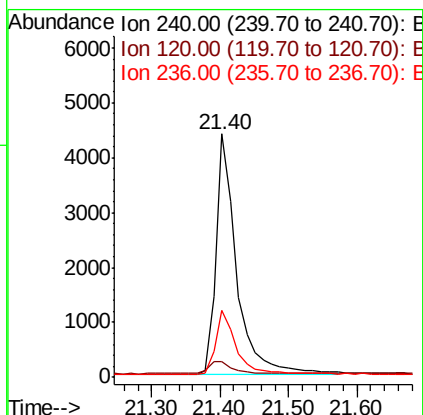
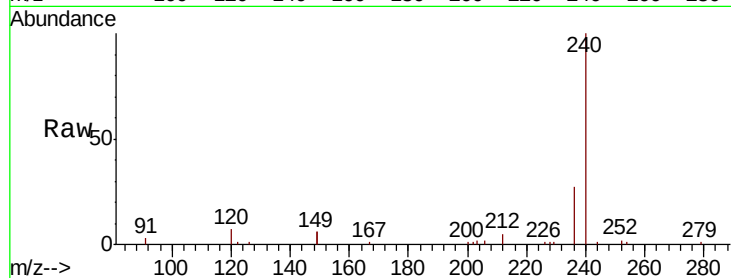




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.40 min Scan# 1633  
 Delta R.T. 0.00 min  
 Lab File: BE099907.D  
 Acq: 11 Jun 2019 1:21

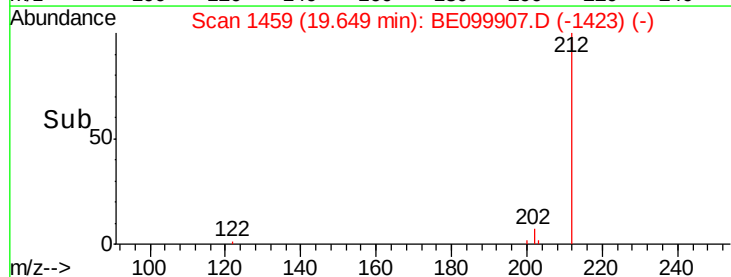
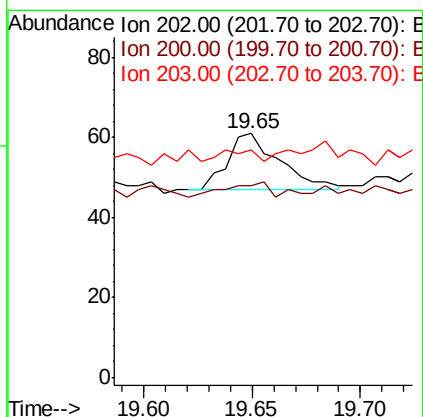
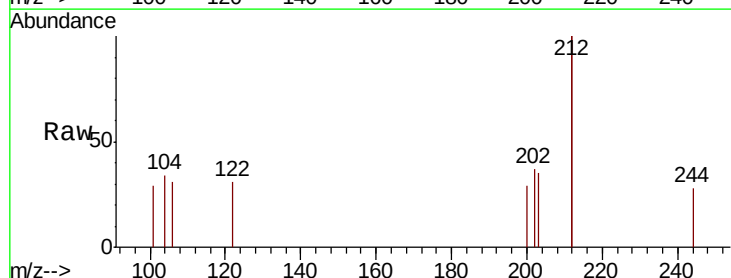
Instrument :  
 BNA\_E  
 ClientSampleId :  
 FB01-20190606

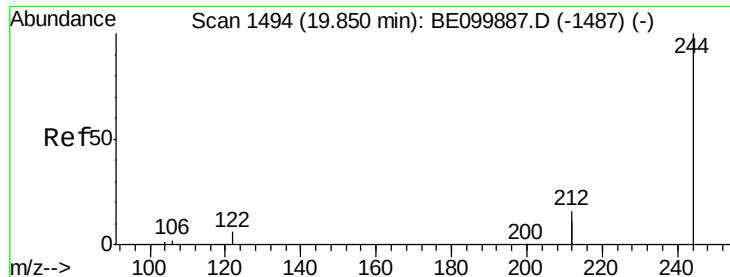
Tgt Ion:240 Resp: 9212  
 Ion Ratio Lower Upper  
 240 100  
 120 6.6 3.8 5.6#  
 236 27.5 22.0 33.0



#28  
 Pyrene  
 Concen: 0.001 ng  
 RT: 19.65 min Scan# 1459  
 Delta R.T. 0.01 min  
 Lab File: BE099907.D  
 Acq: 11 Jun 2019 1:21

Tgt Ion:202 Resp: 23  
 Ion Ratio Lower Upper  
 202 100  
 200 26.1 15.5 23.3#  
 203 21.7 14.0 21.0#





#29

Terphenyl-d14

Concen: 0.555 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

Instrument :

BNA\_E

ClientSampleId :

FB01-20190606

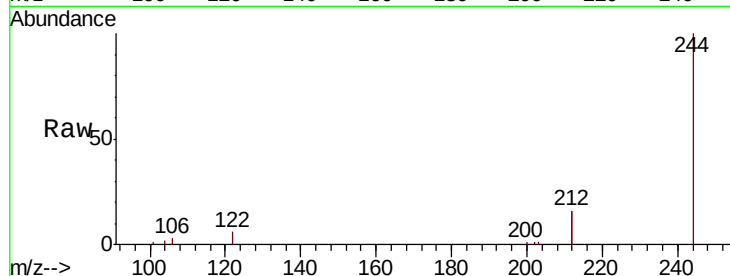
Tgt Ion:244 Resp: 9196

Ion Ratio Lower Upper

244 100

212 31.3 25.7 38.5

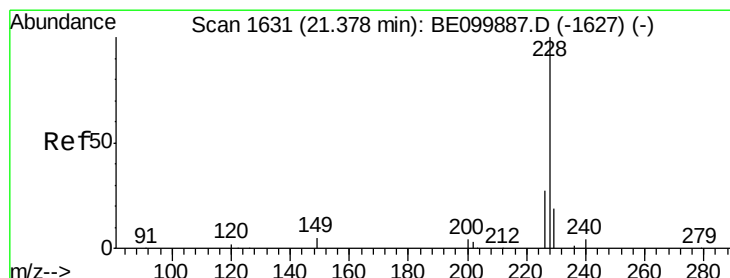
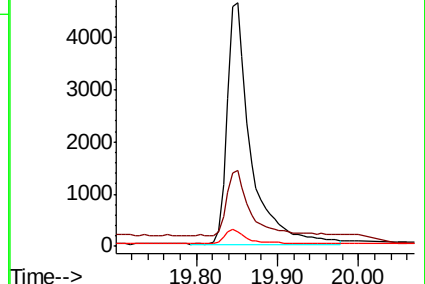
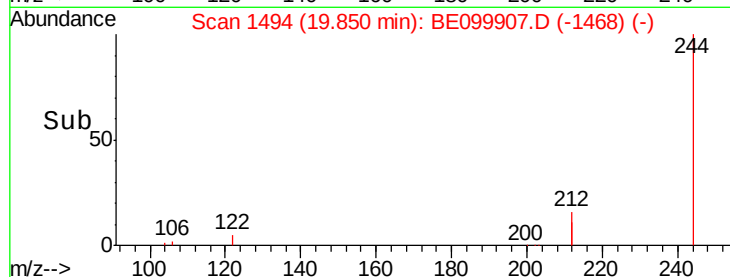
122 6.2 5.5 8.3



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



#30

Benzo(a)anthracene

Concen: 0.003 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.02 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

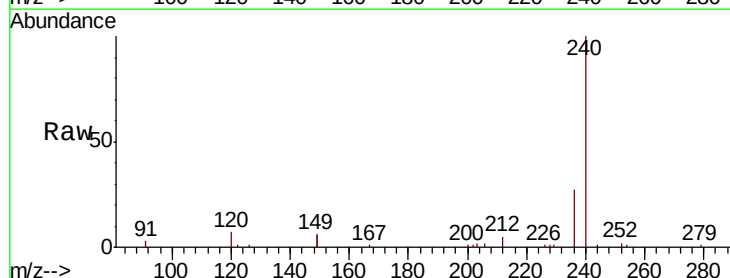
Tgt Ion:228 Resp: 73

Ion Ratio Lower Upper

228 100

226 84.4 22.5 33.7#

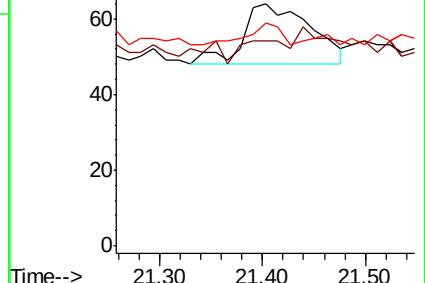
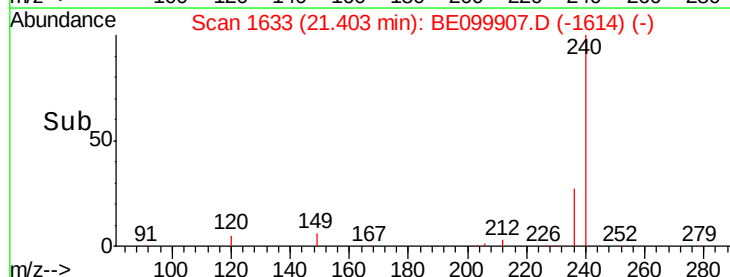
229 92.2 15.9 23.9#



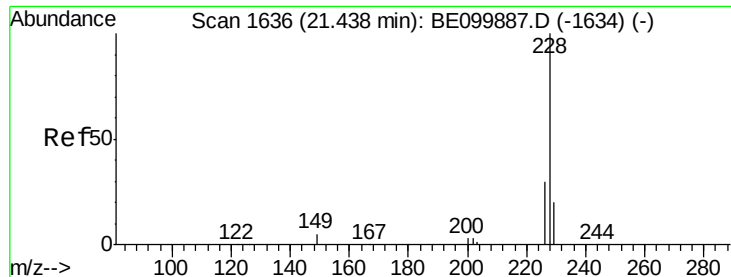
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E







#31

Chrysene

Concen: 0.002 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.04 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

Instrument :

BNA\_E

ClientSampleId :

FB01-20190606

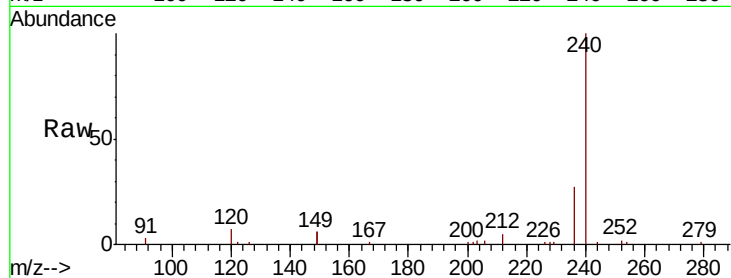
Tgt Ion: 228 Resp: 62

Ion Ratio Lower Upper

228 100

226 84.4 24.1 36.1#

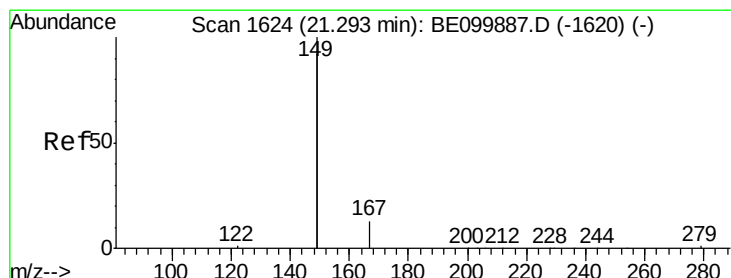
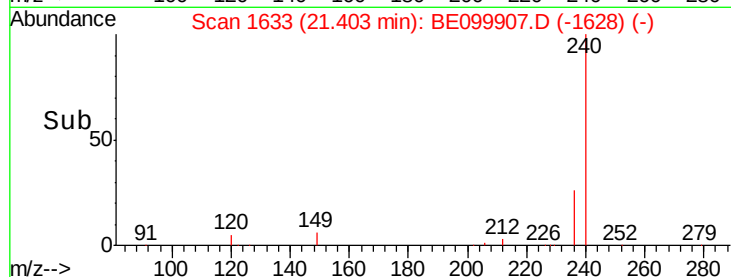
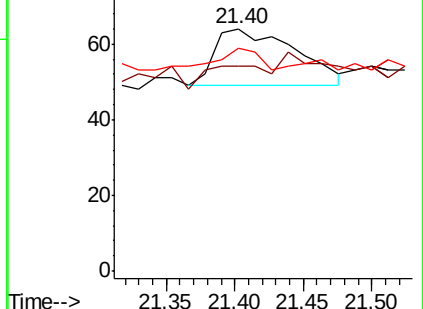
229 92.2 16.1 24.1#



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: 0.016 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

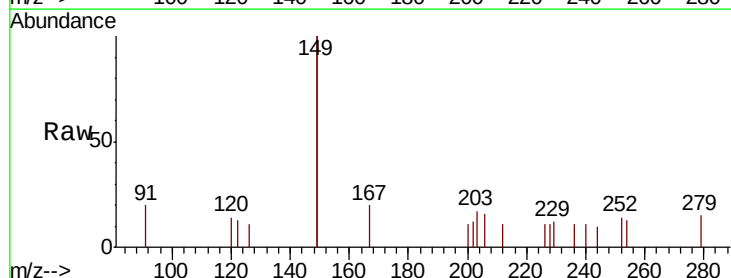
Tgt Ion: 149 Resp: 646

Ion Ratio Lower Upper

149 100

167 8.4 5.9 8.9

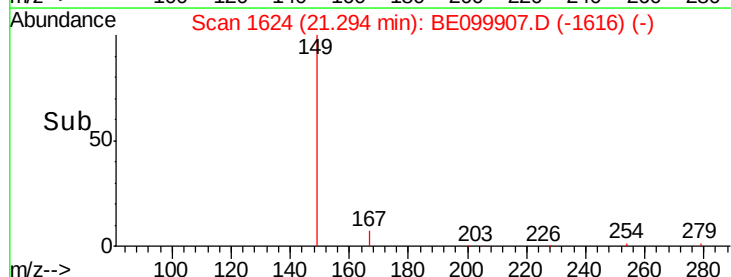
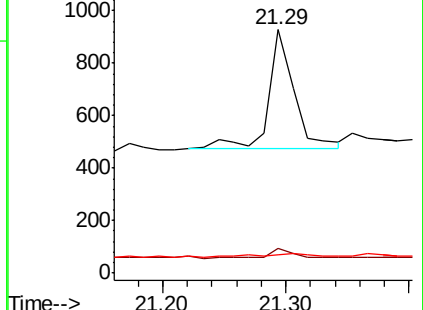
279 5.0 1.2 1.8#

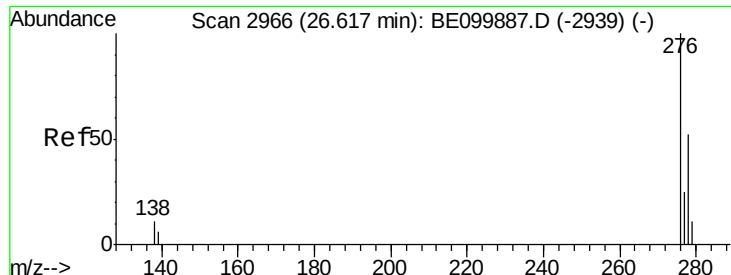


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.000 ng

RT: 26.60 min Scan# 2962

Delta R.T. -0.01 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

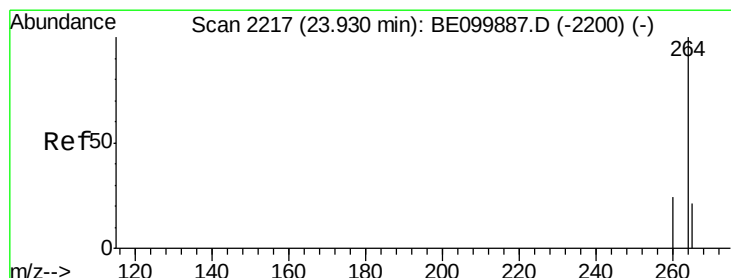
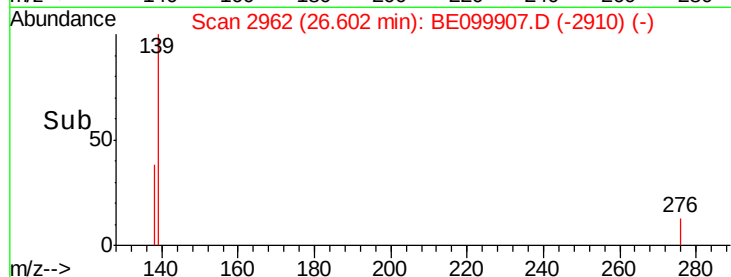
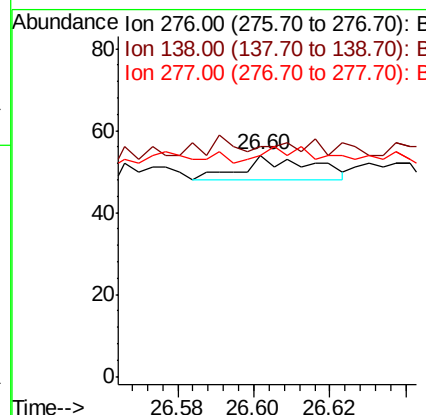
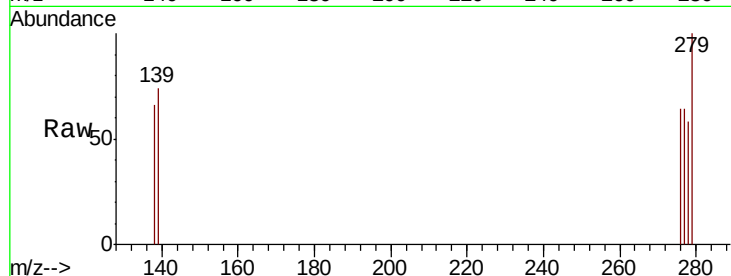
Instrument :

BNA\_E

ClientSampleId :

FB01-20190606

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 7     |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 14.3  | 10.1  | 15.1  |
| 277      | 42.9  | 19.1  | 28.7# |



#34

Perylene-d12

Concen: 0.400 ng

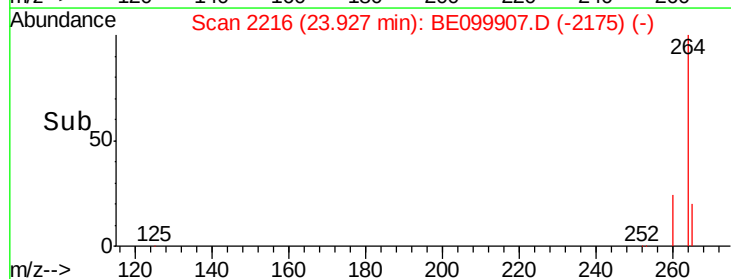
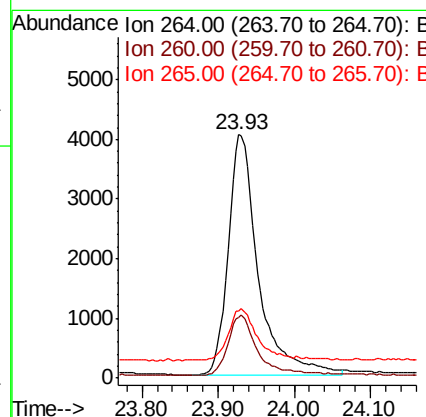
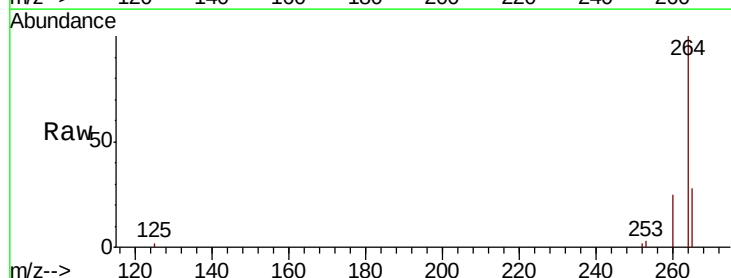
RT: 23.93 min Scan# 2216

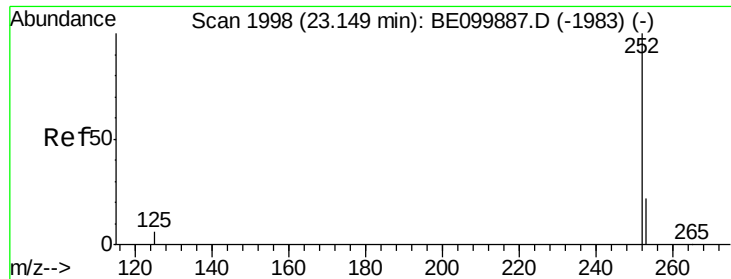
Delta R.T. -0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 11032 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 25.1  | 20.2  | 30.2  |
| 265      | 27.5  | 22.0  | 33.0  |





#35

Benzo(b)fluoranthene

Concen: 0.002 ng

RT: 23.15 min Scan# 1998

Delta R.T. 0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

Instrument :

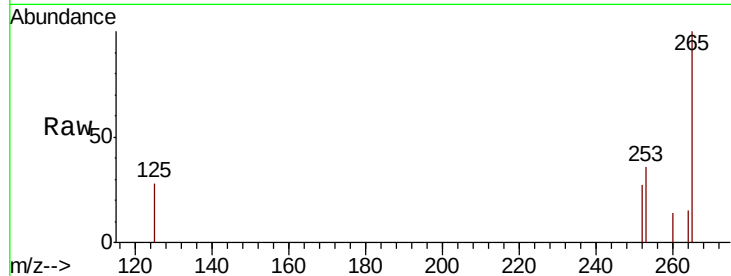
BNA\_E

ClientSampleId :

FB01-20190606

Tgt Ion: 252 Resp: 64

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 133.3 | 18.7  | 28.1# |
| 125 | 104.9 | 5.7   | 8.5#  |

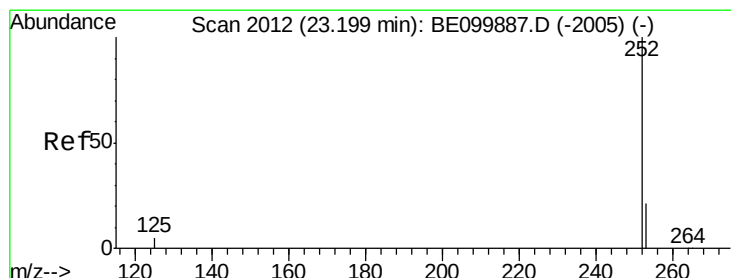
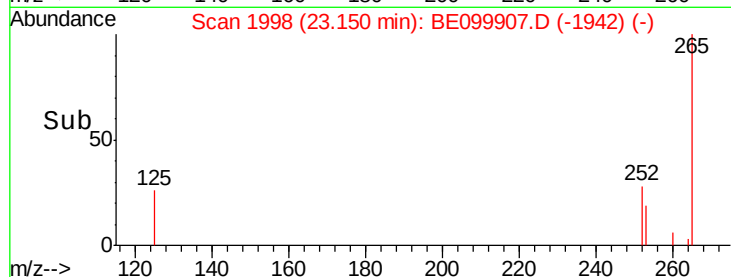
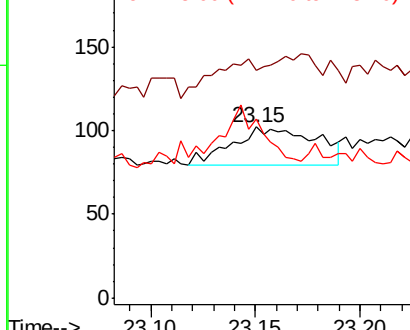


Abundance

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



#36

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 23.15 min Scan# 1998

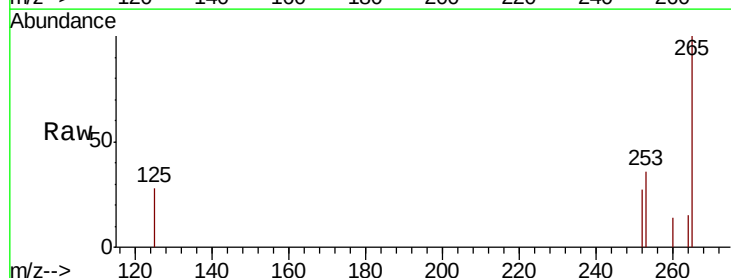
Delta R.T. -0.05 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

Tgt Ion: 252 Resp: 64

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 133.3 | 18.6  | 28.0# |
| 125 | 104.9 | 5.4   | 8.0#  |

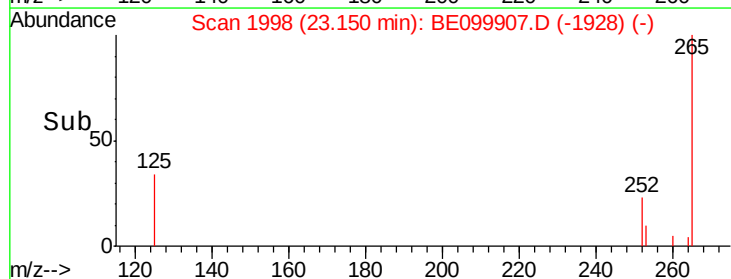
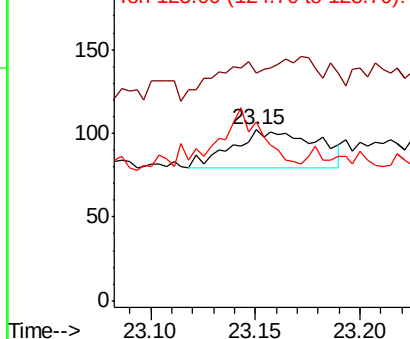


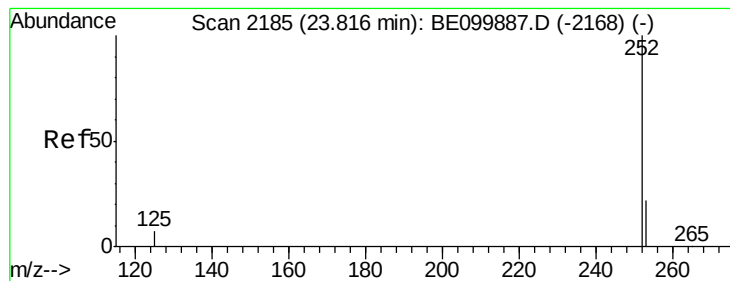
Abundance

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





#37

Benzo(a)pyrene

Concen: 0.000 ng

RT: 23.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BE099907.D

Acq: 11 Jun 2019 1:21

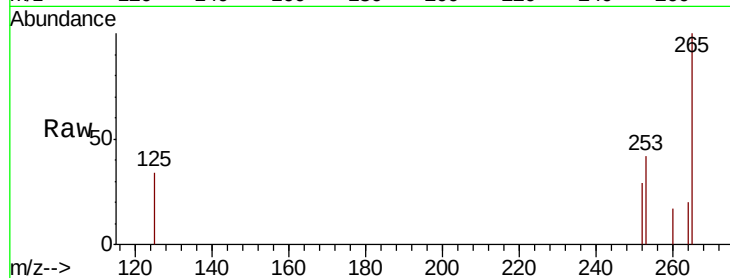
Instrument :

BNA\_E

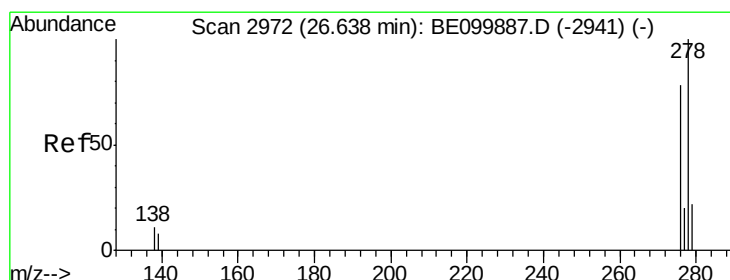
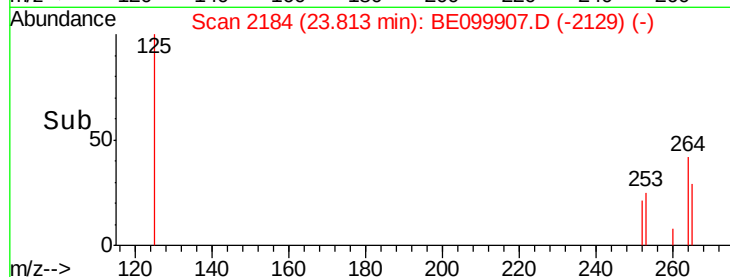
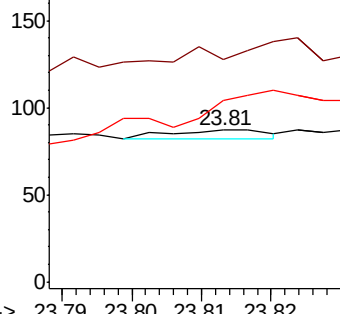
ClientSampleId :

FB01-20190606

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 5     |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 147.1 | 19.6  | 29.4# |
| 125      | 119.5 | 6.6   | 10.0# |



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: 0.000 ng

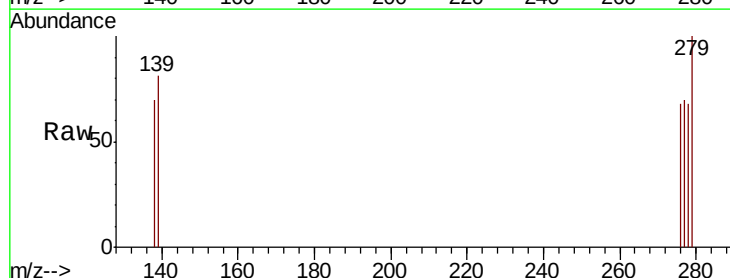
RT: 26.63 min Scan# 2970

Delta R.T. -0.01 min

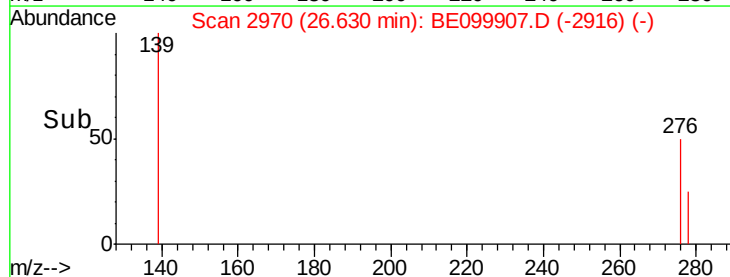
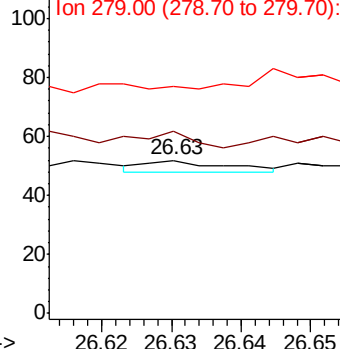
Lab File: BE099907.D

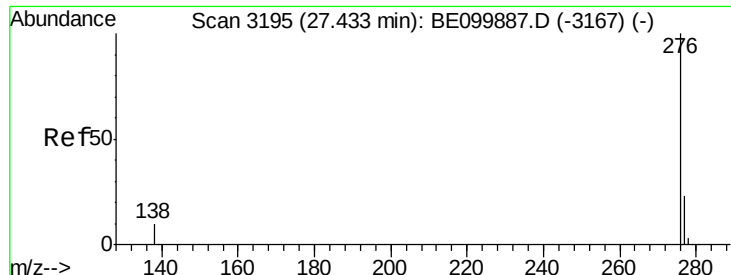
Acq: 11 Jun 2019 1:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 278   | Resp: | 3     |
| Ion      | Ratio | Lower | Upper |
| 278      | 100   |       |       |
| 139      | 119.2 | 7.8   | 11.8# |
| 279      | 148.1 | 20.0  | 30.0# |



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(g,h,i)perylene

Concen: 0.000 ng

RT: 27.43 min Scan# 3193

Delta R.T. -0.01 min

Lab File: BE099907.D

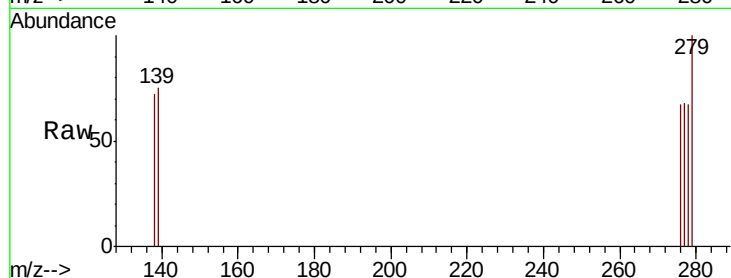
Acq: 11 Jun 2019 1:21

Instrument :

BNA\_E

ClientSampleId :

FB01-20190606



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 2     |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 102.0 | 19.5  | 29.3# |
| 138      | 107.8 | 9.5   | 14.3# |

