

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE081618\  
 Data File : BE097286.D  
 Acq On : 16 Aug 2018 11:21  
 Operator : SJ/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Aug 16 15:01:08 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE081518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 15 14:23:39 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 1003     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 5212     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.01 | 164  | 2828     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.77 | 188  | 6233     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 20.98 | 240  | 5526     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.22 | 264  | 4901     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.05  | 112  | 1172     | 0.36 | ng    | -0.01    |
| 5) Phenol-d6                | 6.61  | 99   | 1714     | 0.36 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.52  | 82   | 1723     | 0.36 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.72 | 152  | 2771     | 0.37 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.53 | 330  | 300      | 0.37 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.63 | 172  | 4085     | 0.38 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.81 | 212  | 22662    | 0.36 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.43 | 244  | 4010     | 0.39 | ng    | 0.00     |

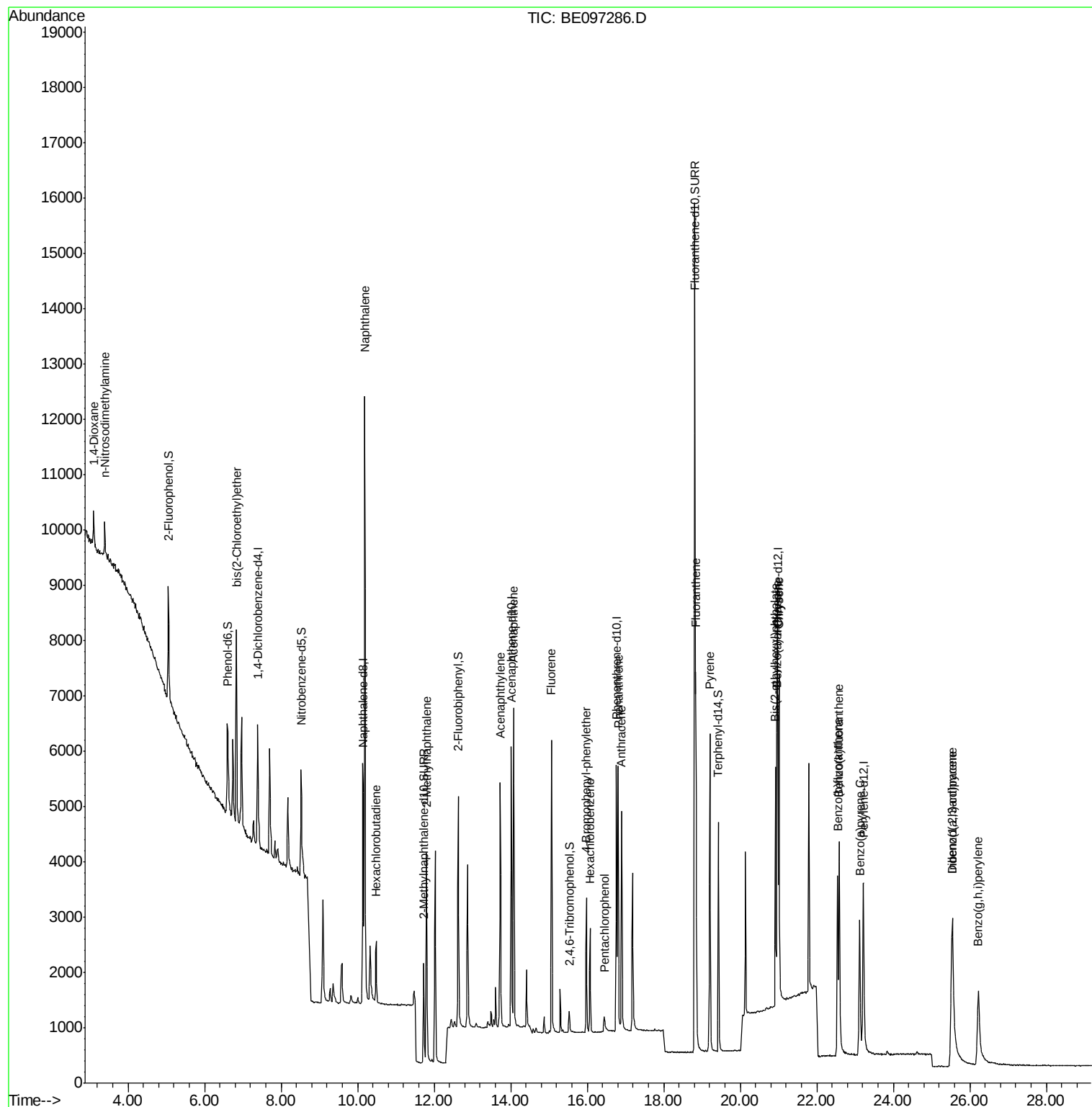
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.09  | 88   | 358      | 0.318 | ng    | 97     |
| 3) n-Nitrosodimethylamine      | 3.38  | 42   | 436      | 0.334 | ng    | # 94   |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93   | 1366     | 0.364 | ng    | 98     |
| 9) Naphthalene                 | 10.19 | 128  | 17936    | 0.368 | ng    | 100    |
| 10) Hexachlorobutadiene        | 10.48 | 225  | 857      | 0.389 | ng    | 95     |
| 12) 2-Methylnaphthalene        | 11.80 | 142  | 2914     | 0.365 | ng    | 98     |
| 16) Acenaphthylene             | 13.73 | 152  | 4987     | 0.382 | ng    | 100    |
| 17) Acenaphthene               | 14.07 | 154  | 2899     | 0.386 | ng    | # 90   |
| 18) Fluorene                   | 15.06 | 166  | 3493     | 0.375 | ng    | # 78   |
| 20) 4-Bromophenyl-phenylether  | 15.97 | 248  | 1257     | 0.386 | ng    | # 84   |
| 21) Hexachlorobenzene          | 16.08 | 284  | 1489     | 0.403 | ng    | # 84   |
| 22) Pentachlorophenol          | 16.45 | 266  | 256      | 0.387 | ng    | 87     |
| 23) Phenanthrene               | 16.81 | 178  | 5804     | 0.386 | ng    | 98     |
| 24) Anthracene                 | 16.89 | 178  | 4839     | 0.359 | ng    | 95     |
| 26) Fluoranthene               | 18.84 | 202  | 6089     | 0.366 | ng    | 98     |
| 28) Pyrene                     | 19.20 | 202  | 5769     | 0.387 | ng    | 99     |
| 30) Benzo(a)anthracene         | 20.95 | 228  | 5114     | 0.368 | ng    | 99     |
| 31) Chrysene                   | 21.02 | 228  | 5632     | 0.396 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149  | 4733     | 0.263 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.53 | 276  | 5622     | 0.367 | ng    | # 89   |
| 35) Benzo(b)fluoranthene       | 22.54 | 252  | 4560     | 0.374 | ng    | # 92   |
| 36) Benzo(k)fluoranthene       | 22.59 | 252  | 6150     | 0.415 | ng    | 93     |
| 37) Benzo(a)pyrene             | 23.12 | 252  | 4630     | 0.378 | ng    | # 93   |
| 38) Dibenzo(a,h)anthracene     | 25.54 | 278  | 4557     | 0.377 | ng    | 97     |
| 39) Benzo(g,h,i)perylene       | 26.22 | 276  | 4426     | 0.363 | ng    | # 91   |

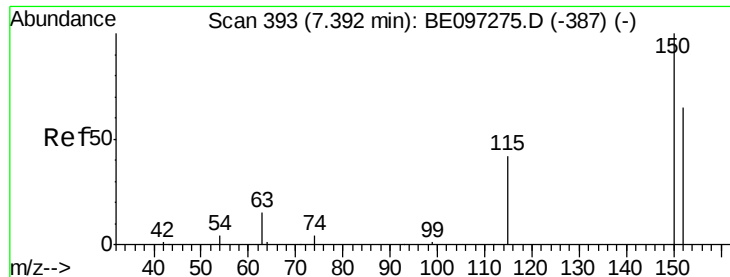
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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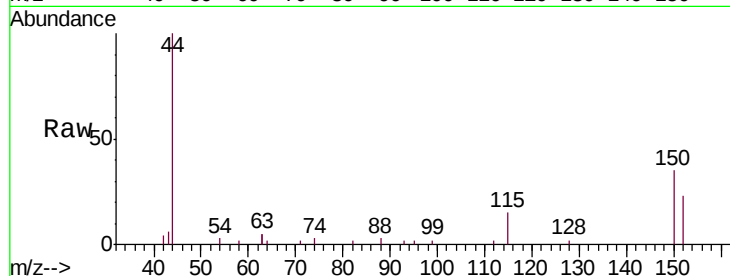


#1

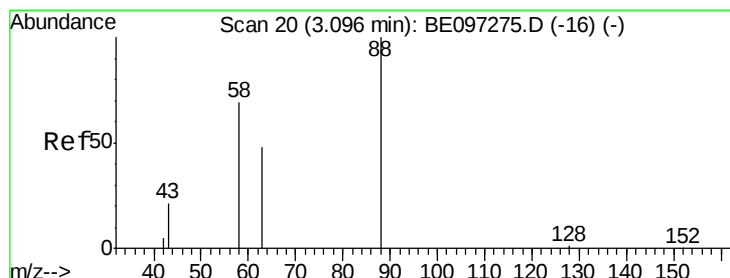
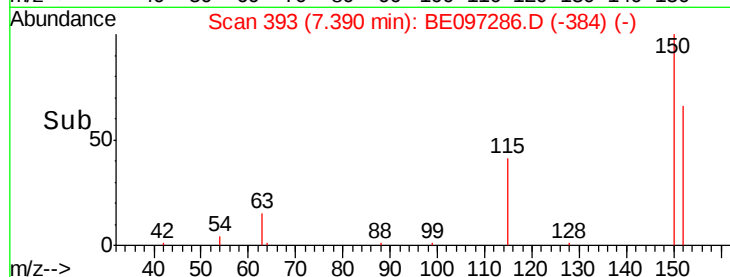
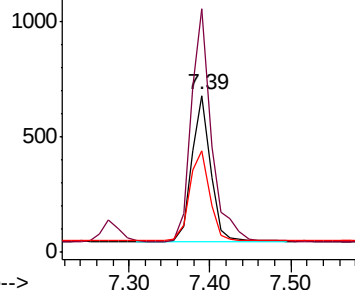
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 393  
Delta R.T. -0.00 min  
Lab File: BE097286.D  
Acq: 16 Aug 2018 11:21

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion: 152 Resp: 1003  
Ion Ratio Lower Upper  
152 100  
150 155.1 117.2 175.8  
115 64.7 57.0 85.6



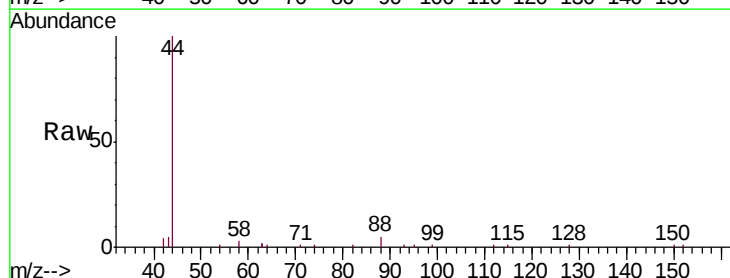
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



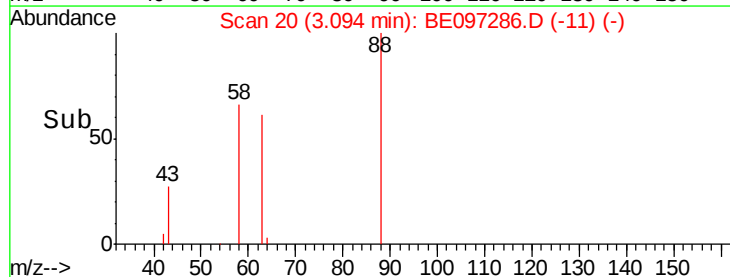
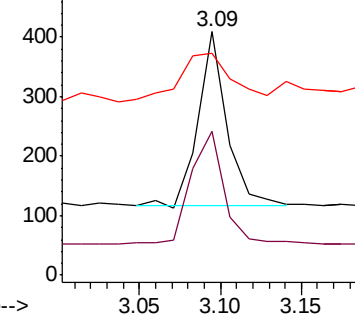
#2

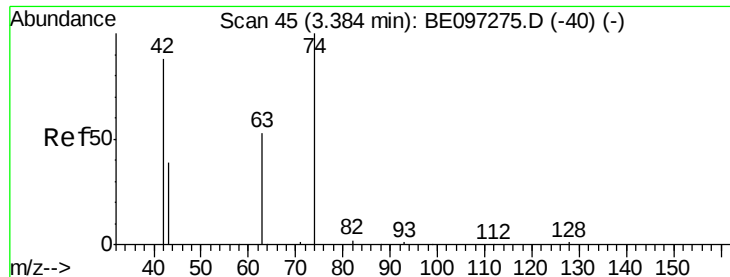
1,4-Dioxane  
Concen: 0.318 ng  
RT: 3.09 min Scan# 20  
Delta R.T. -0.00 min  
Lab File: BE097286.D  
Acq: 16 Aug 2018 11:21

Tgt Ion: 88 Resp: 358  
Ion Ratio Lower Upper  
88 100  
58 74.6 63.2 94.8  
43 51.1 41.2 61.8



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.334 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

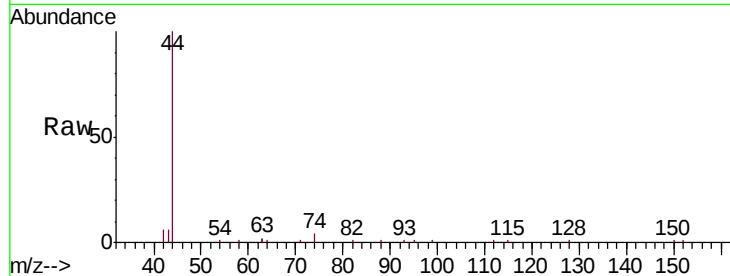
Tgt Ion: 42 Resp: 436

Ion Ratio Lower Upper

42 100

74 117.2 96.0 144.0

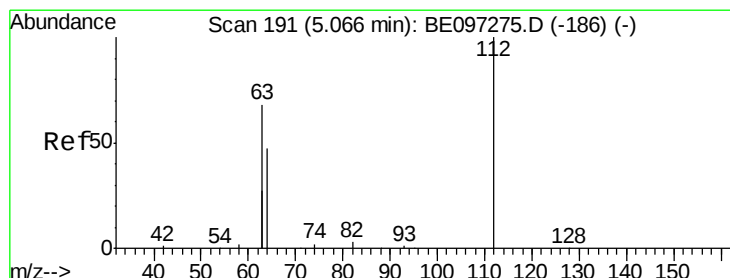
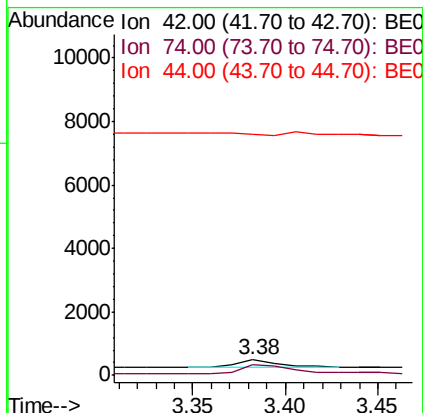
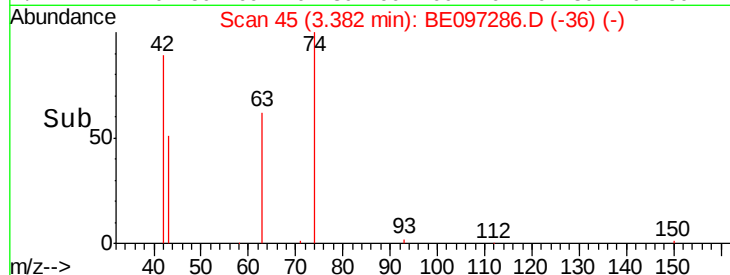
44 0.0 12.0 18.0#



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



#4

2-Fluorophenol

Concen: 0.356 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.01 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

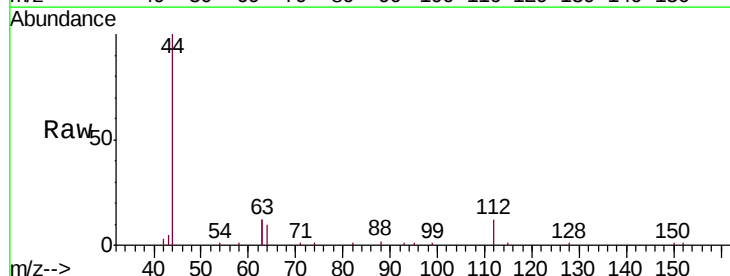
Tgt Ion: 112 Resp: 1172

Ion Ratio Lower Upper

112 100

64 66.1 60.1 90.1

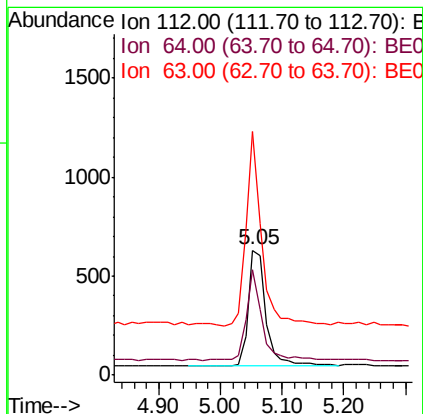
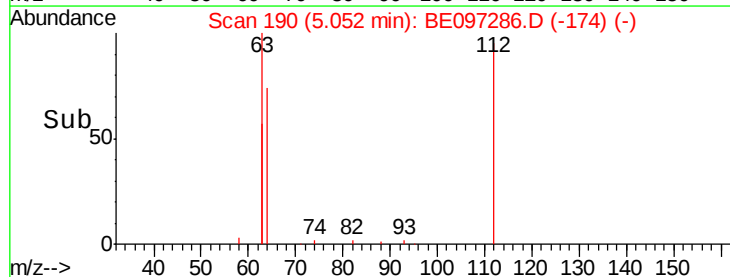
63 146.2 116.8 175.2

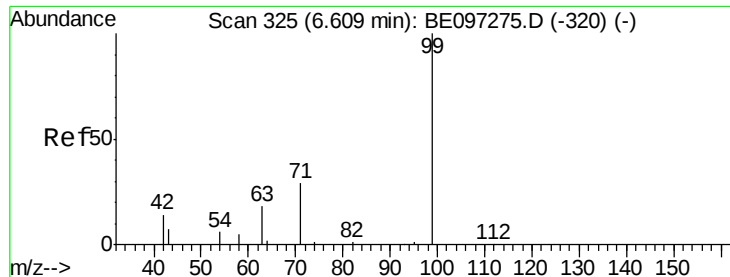


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.364 ng

RT: 6.61 min Scan# 325

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

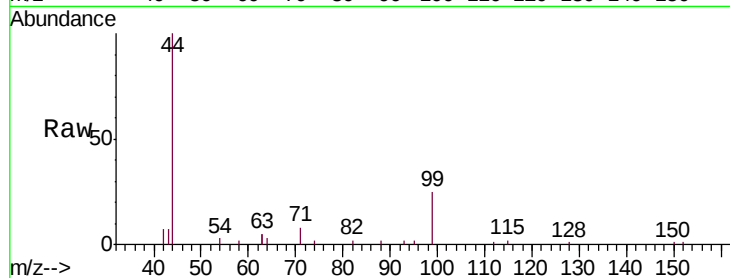
Tgt Ion: 99 Resp: 1714

Ion Ratio Lower Upper

99 100

42 22.9 20.2 30.2

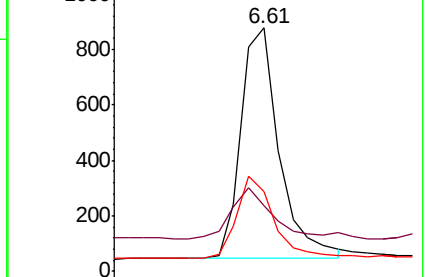
71 34.8 28.4 42.6



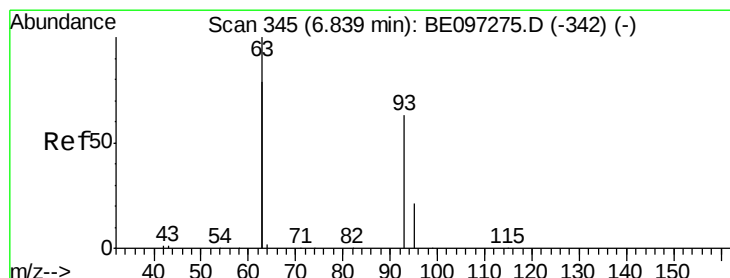
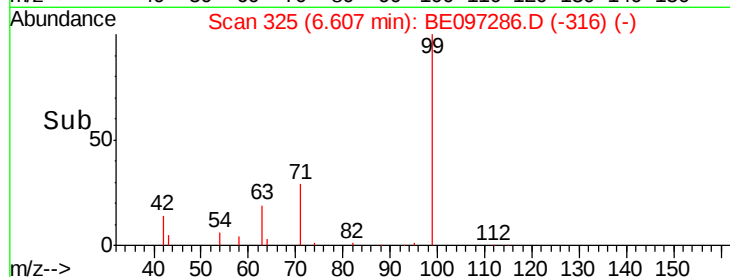
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.364 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

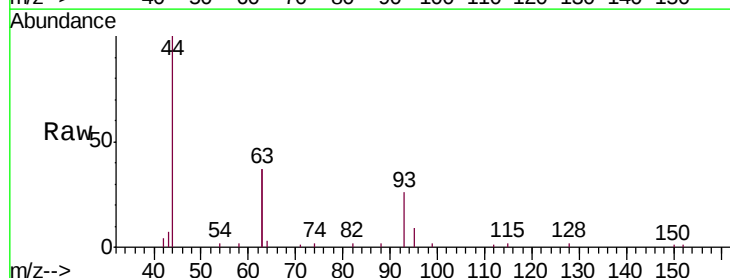
Tgt Ion: 93 Resp: 1366

Ion Ratio Lower Upper

93 100

63 339.1 275.3 412.9

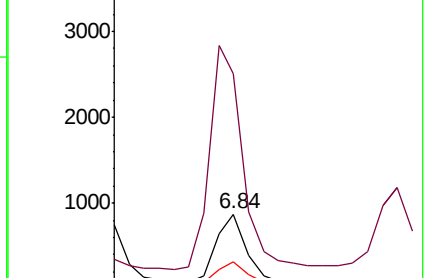
95 33.8 25.2 37.8



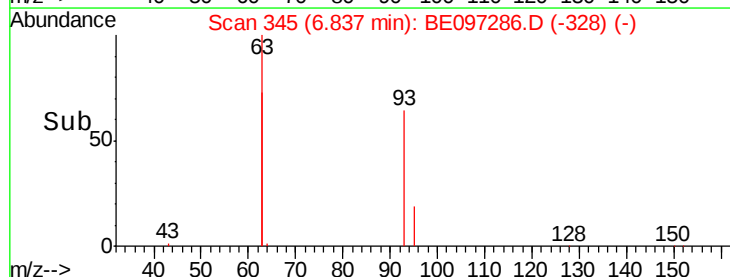
Abundance Ion 93.00 (92.70 to 93.70): BE0

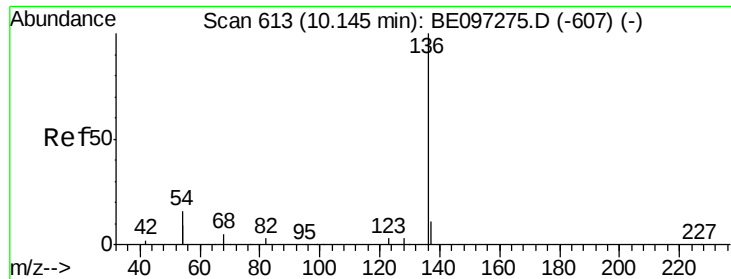
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 136 Resp: 5212

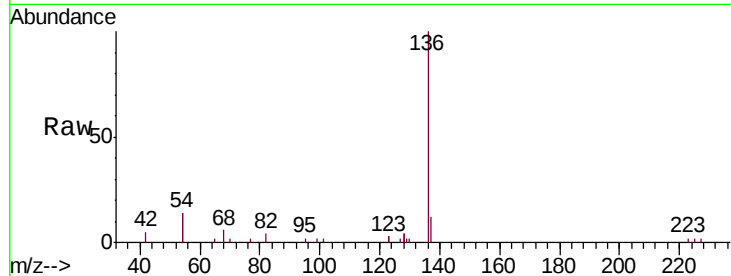
Ion Ratio Lower Upper

136 100

137 12.3 9.5 14.3

54 27.2 29.1 43.7#

68 5.7 6.2 9.2#

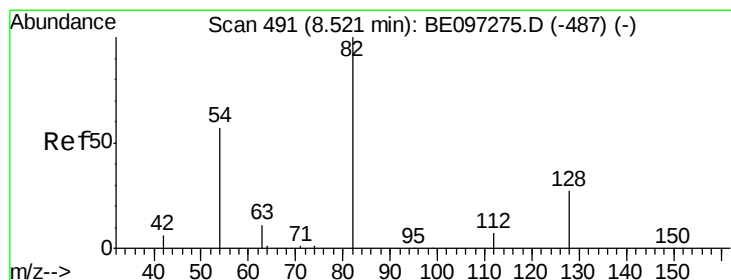
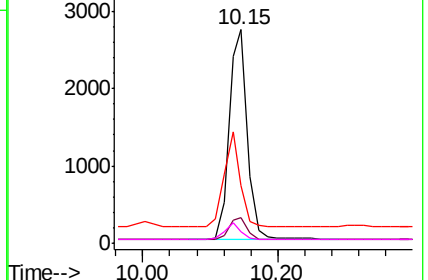
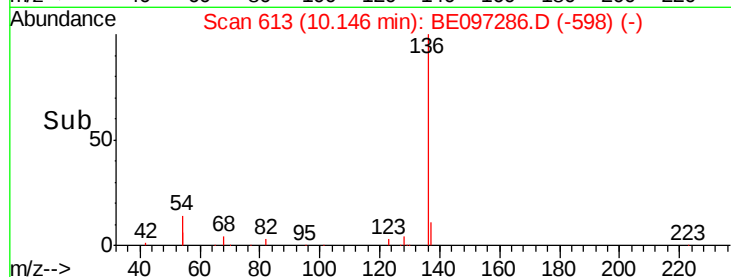


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.361 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

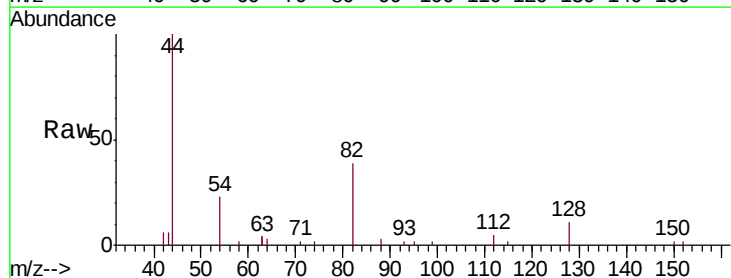
Tgt Ion: 82 Resp: 1723

Ion Ratio Lower Upper

82 100

128 29.6 24.0 36.0

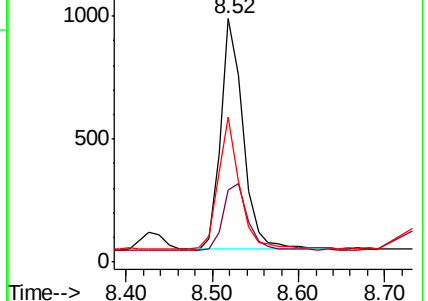
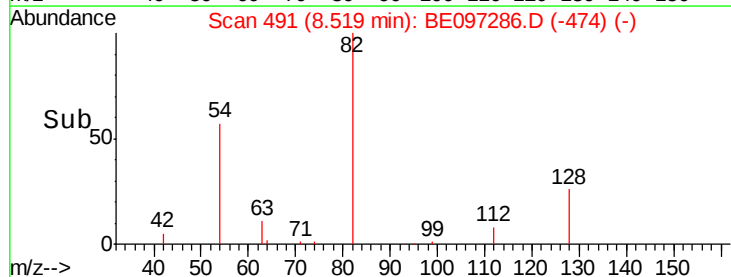
54 59.4 40.0 60.0

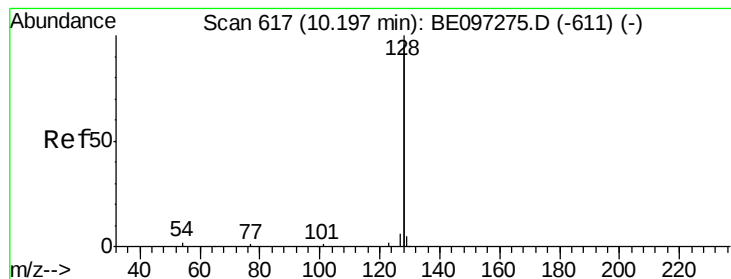


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.368 ng

RT: 10.19 min Scan# 616

Delta R.T. -0.01 min

Lab File: BE097286.D

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Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

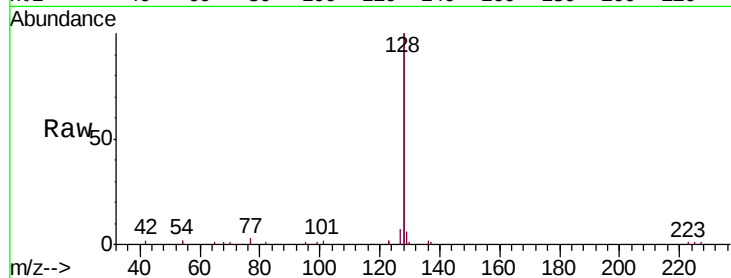
Tgt Ion:128 Resp: 17936

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

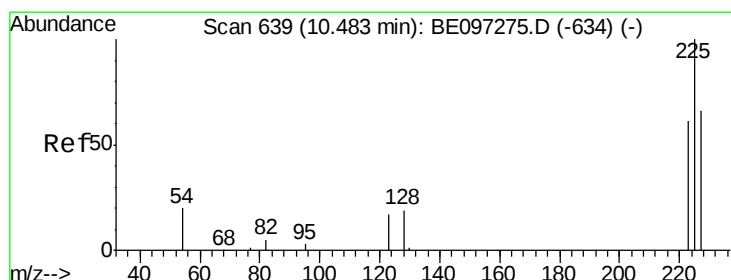
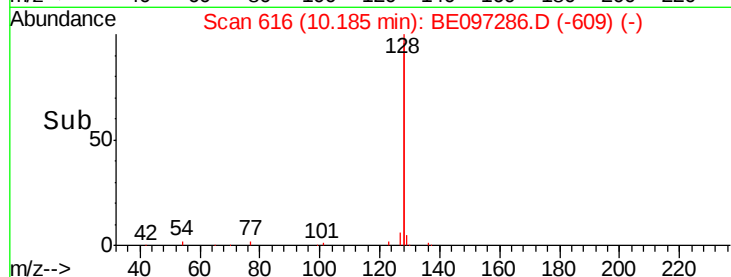
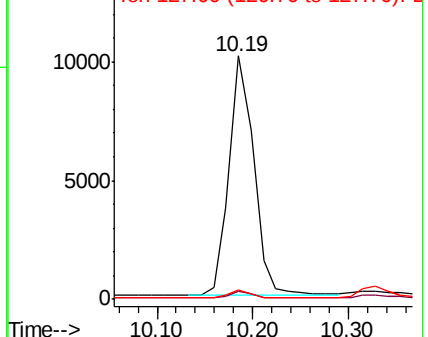
127 3.7 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.389 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

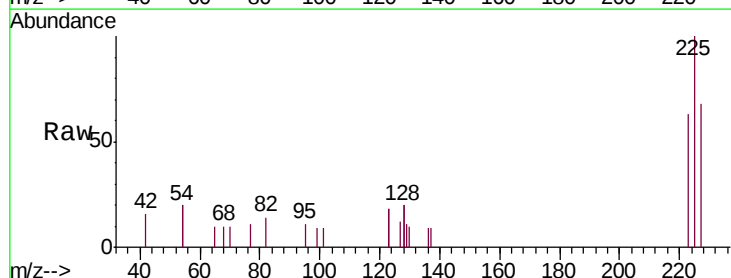
Tgt Ion:225 Resp: 857

Ion Ratio Lower Upper

225 100

223 60.8 53.0 79.6

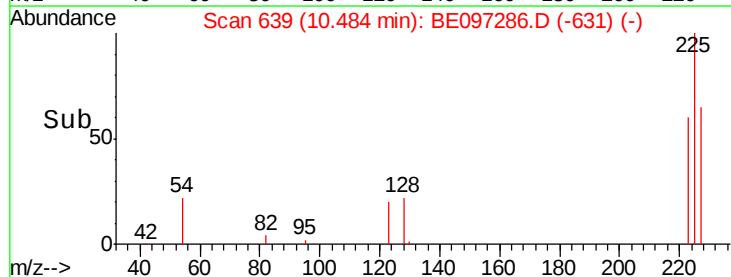
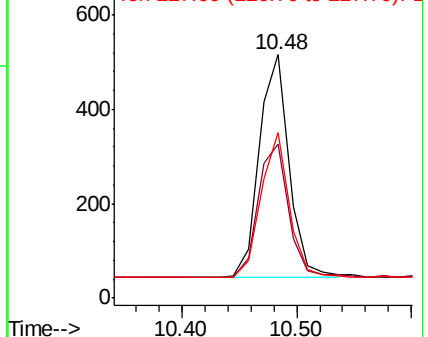
227 61.5 51.4 77.2

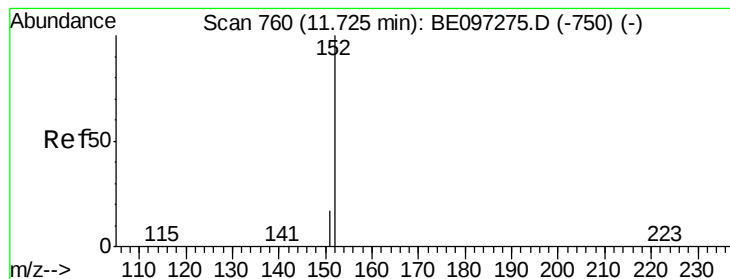


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.366 ng

RT: 11.72 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

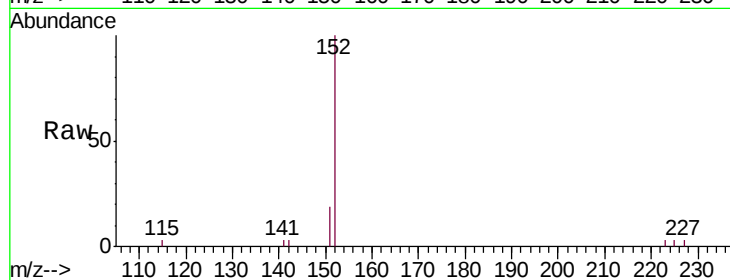
SSTDCCC0.4

Tgt Ion:152 Resp: 2771

Ion Ratio Lower Upper

152 100

151 19.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.72

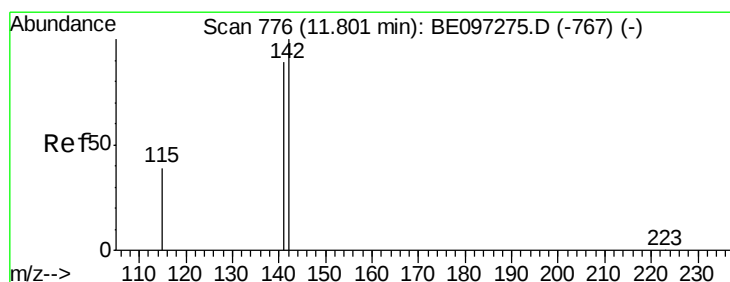
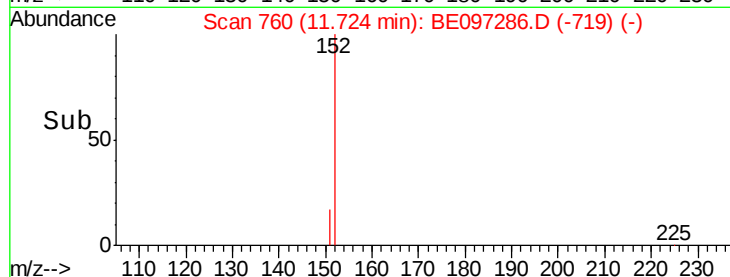
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.365 ng

RT: 11.80 min Scan# 776

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

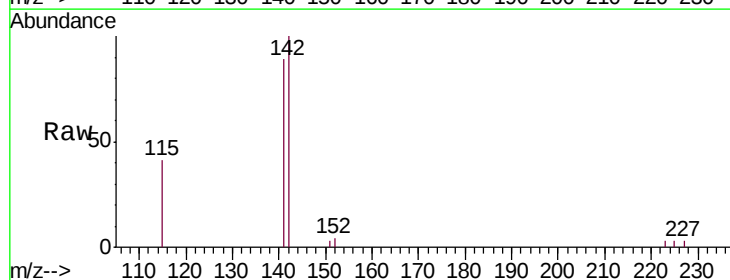
Tgt Ion:142 Resp: 2914

Ion Ratio Lower Upper

142 100

141 89.3 70.4 105.6

115 40.8 31.7 47.5



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

11.80

2000

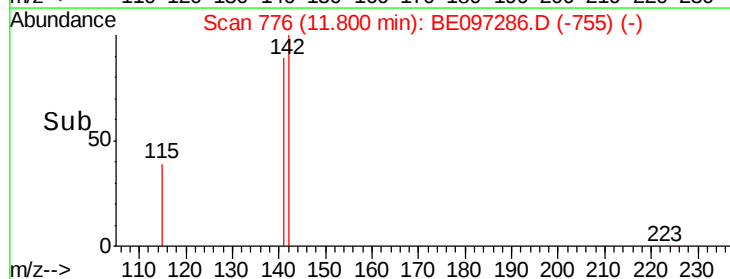
1500

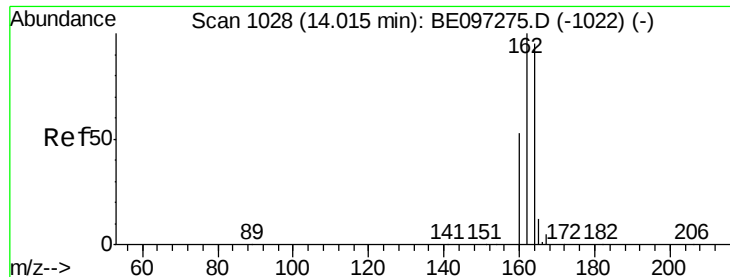
1000

500

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

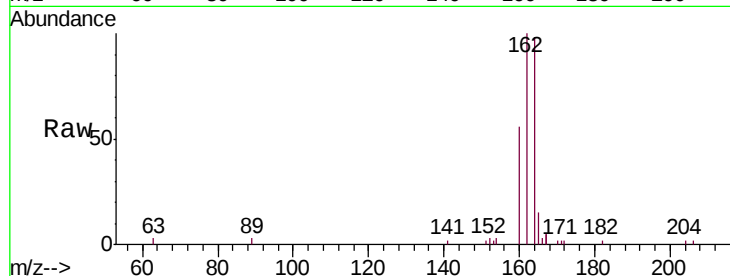
Tgt Ion:164 Resp: 2828

Ion Ratio Lower Upper

164 100

162 102.2 83.1 124.7

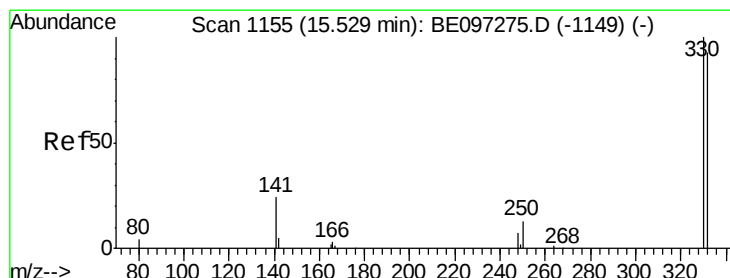
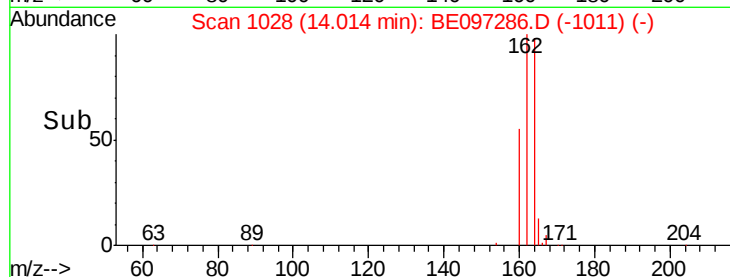
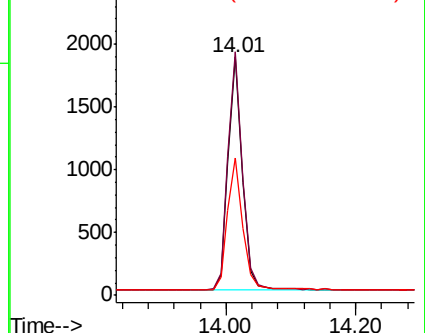
160 57.6 37.1 55.7#



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: 0.372 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

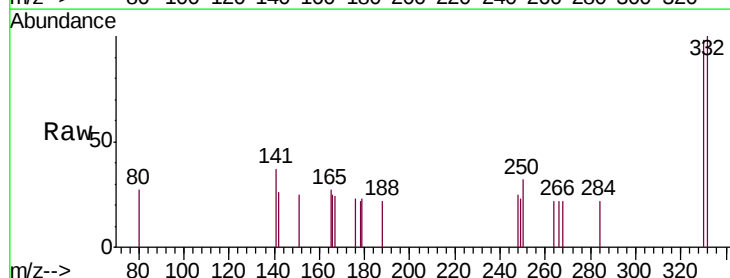
Tgt Ion:330 Resp: 300

Ion Ratio Lower Upper

330 100

332 95.0 152.7 229.1#

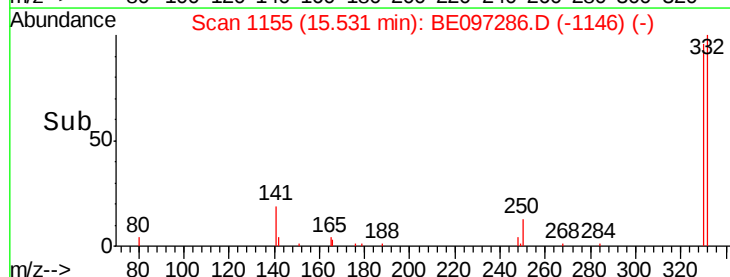
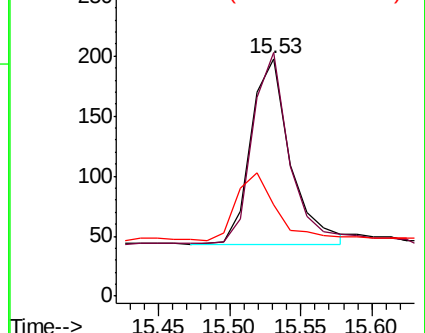
141 36.0 33.7 50.5

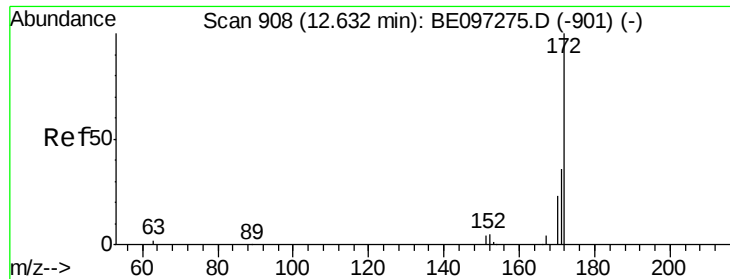


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

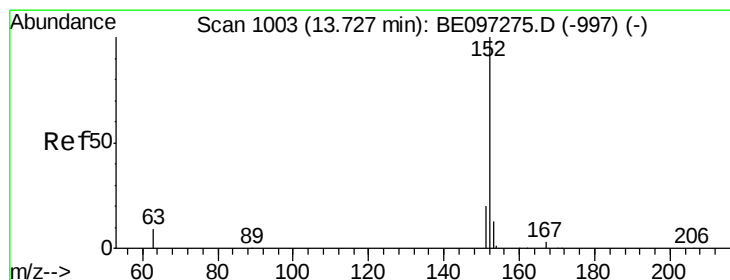
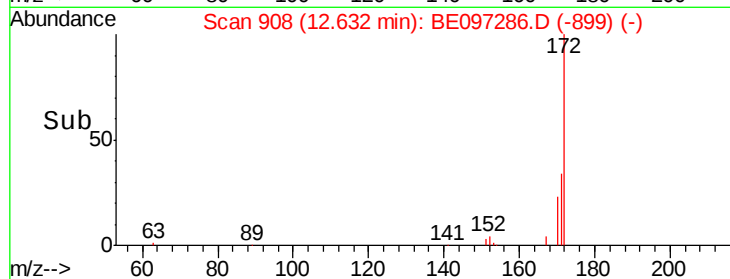
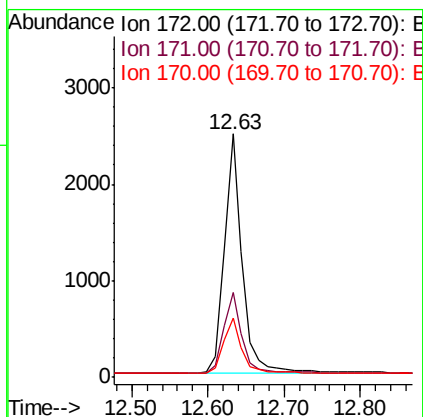
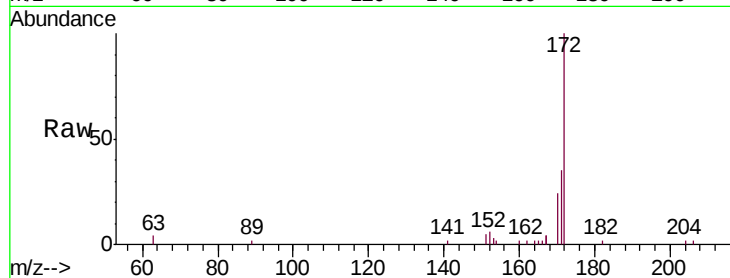




#15  
2-Fluorobiphenyl  
Concen: 0.384 ng  
RT: 12.63 min Scan# 908  
Delta R.T. -0.00 min  
Lab File: BE097286.D  
Acq: 16 Aug 2018 11:21

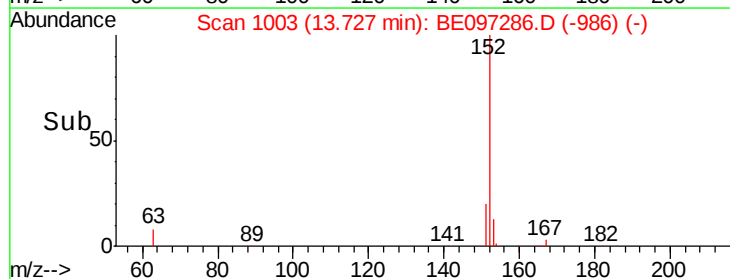
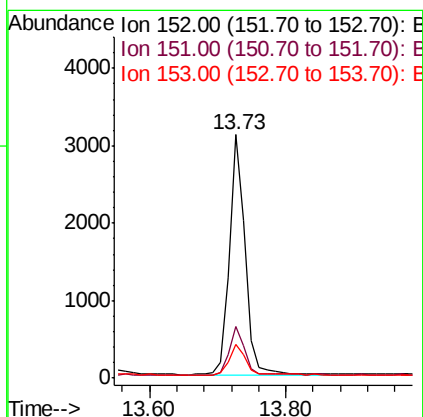
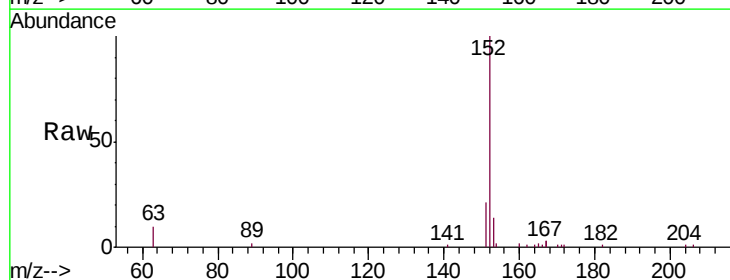
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

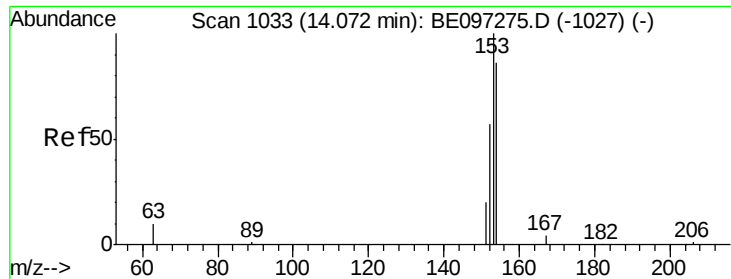
Tgt Ion:172 Resp: 4085  
Ion Ratio Lower Upper  
172 100  
171 35.0 29.9 44.9  
170 24.1 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.382 ng  
RT: 13.73 min Scan# 1003  
Delta R.T. -0.00 min  
Lab File: BE097286.D  
Acq: 16 Aug 2018 11:21

Tgt Ion:152 Resp: 4987  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.7 23.5  
153 13.1 10.5 15.7

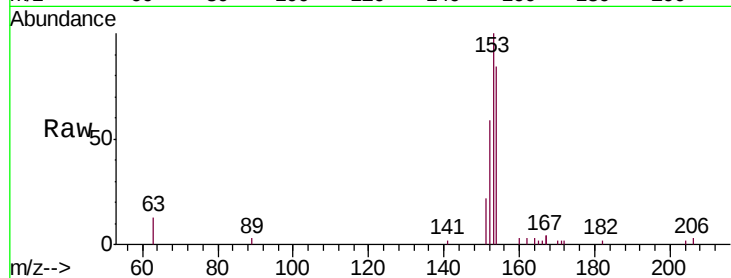




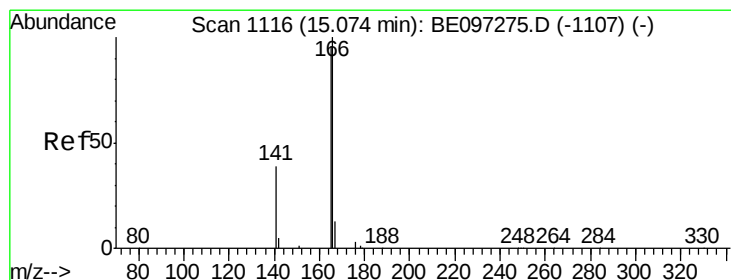
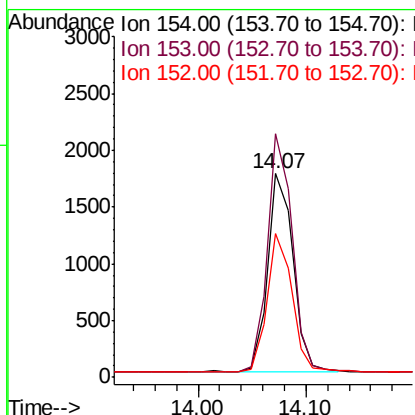
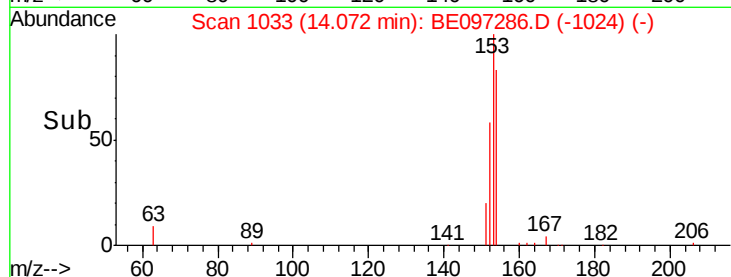
#17  
Acenaphthene  
Concen: 0.386 ng  
RT: 14.07 min Scan# 1033  
Delta R.T. -0.00 min  
Lab File: BE097286.D  
Acq: 16 Aug 2018 11:21

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:154 Resp: 2899  
Ion Ratio Lower Upper  
154 100  
153 116.4 89.2 133.8  
152 67.6 42.0 63.0#

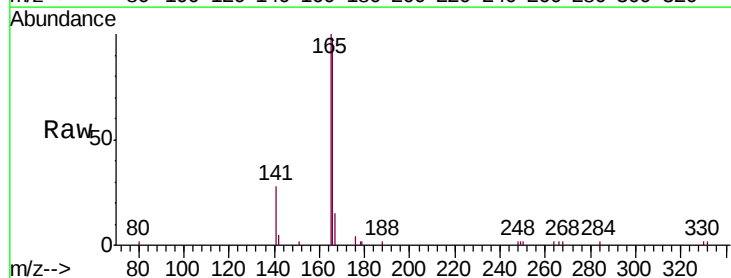


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

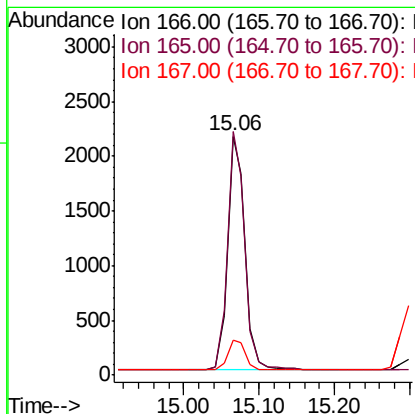
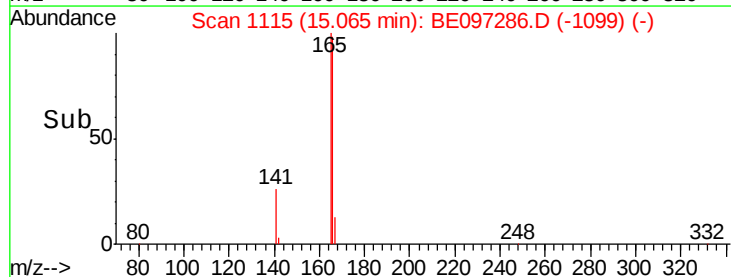


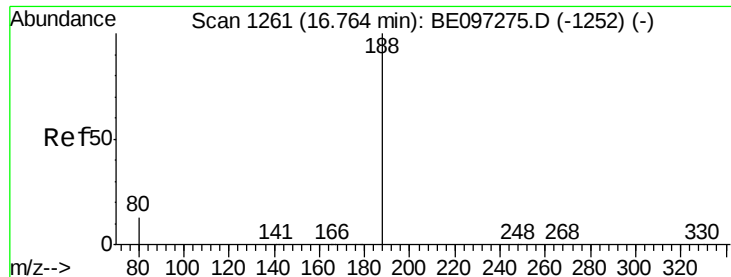
#18  
Fluorene  
Concen: 0.375 ng  
RT: 15.06 min Scan# 1115  
Delta R.T. -0.01 min  
Lab File: BE097286.D  
Acq: 16 Aug 2018 11:21

Tgt Ion:166 Resp: 3493  
Ion Ratio Lower Upper  
166 100  
165 101.0 77.8 116.6  
167 13.7 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

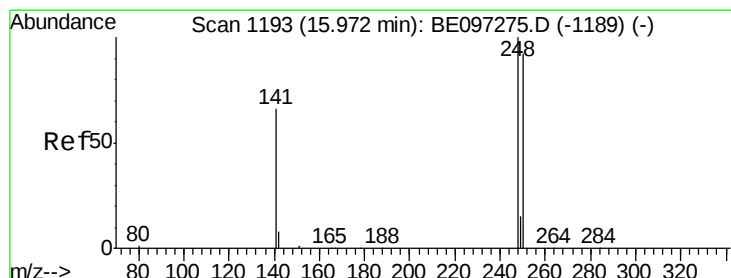
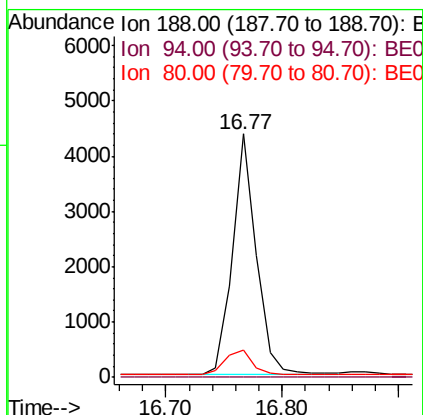
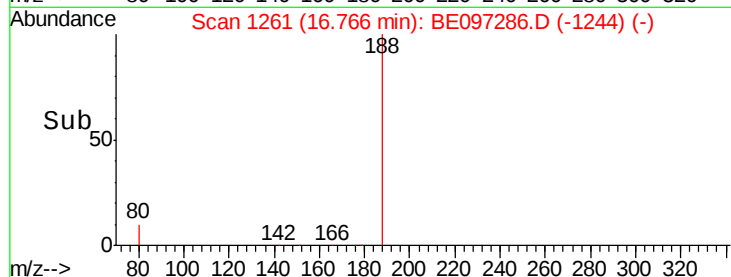
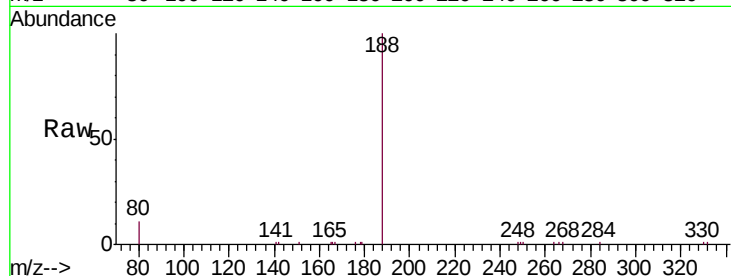
Tgt Ion:188 Resp: 6233

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 11.1 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.386 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

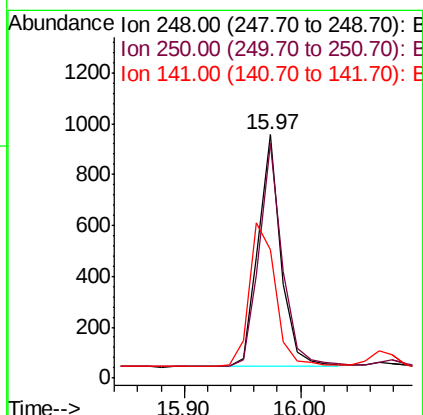
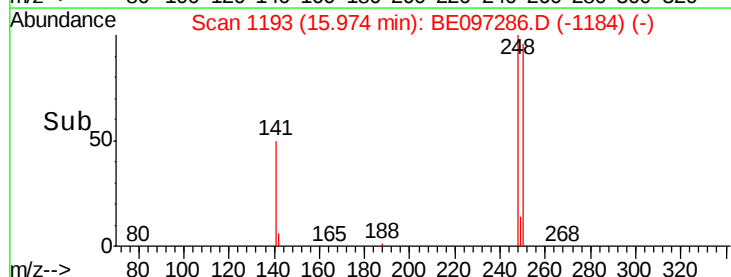
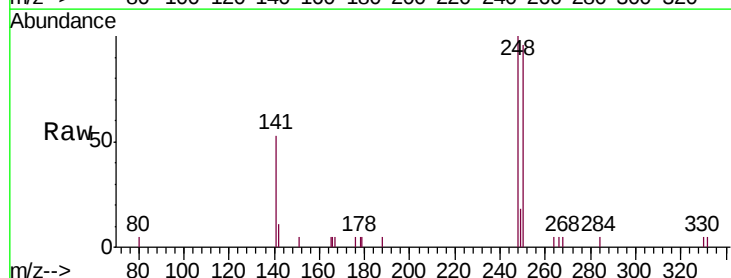
Tgt Ion:248 Resp: 1257

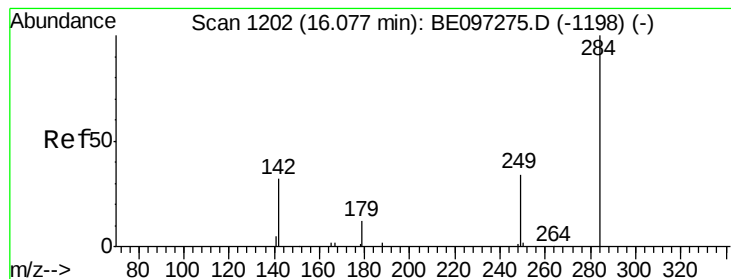
Ion Ratio Lower Upper

248 100

250 96.4 62.7 94.1#

141 52.9 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.403 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

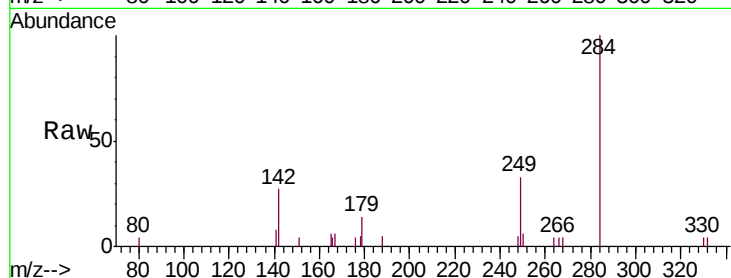
Tgt Ion: 284 Resp: 1489

Ion Ratio Lower Upper

284 100

142 33.3 22.1 33.1#

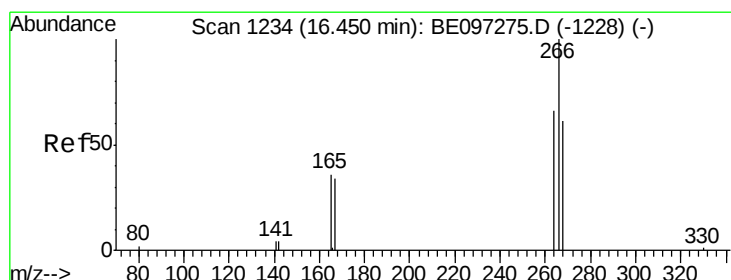
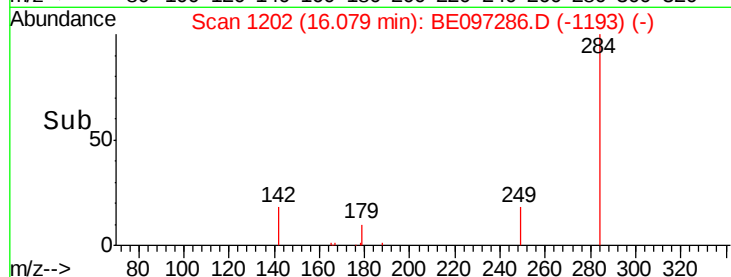
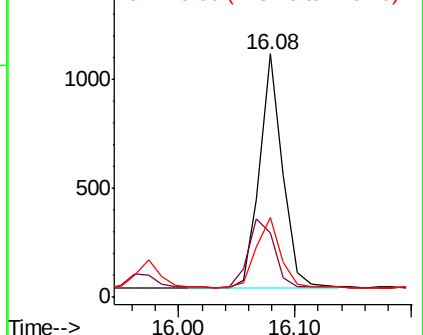
249 31.0 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.387 ng

RT: 16.45 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

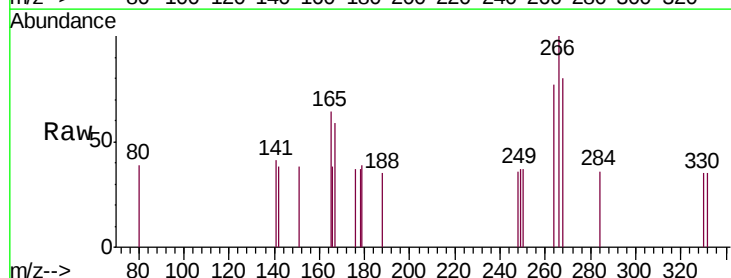
Tgt Ion: 266 Resp: 256

Ion Ratio Lower Upper

266 100

264 77.2 72.5 108.7

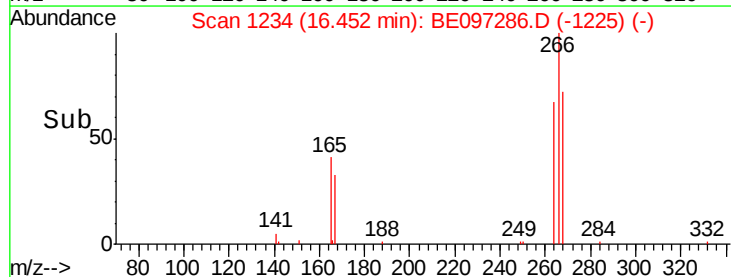
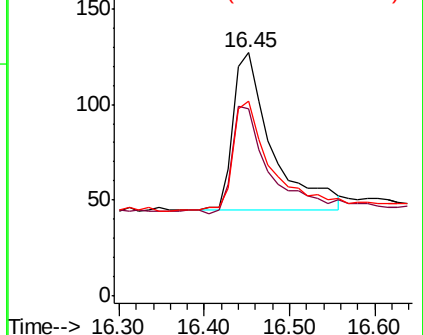
268 80.3 73.8 110.6

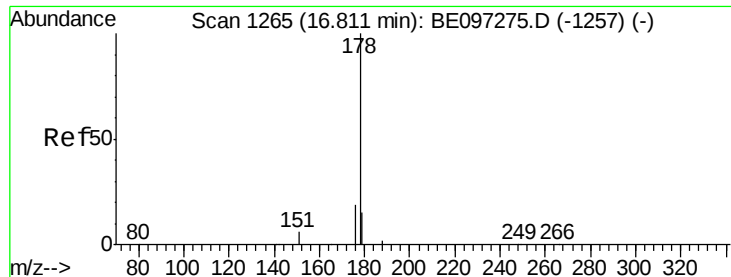


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

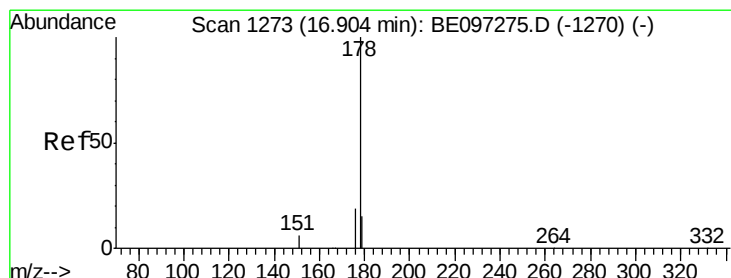
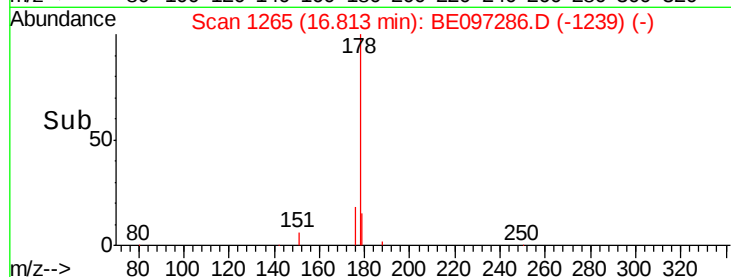
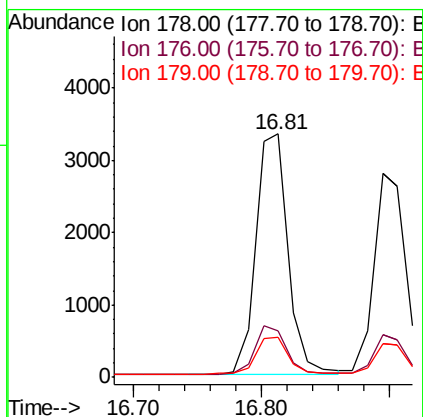
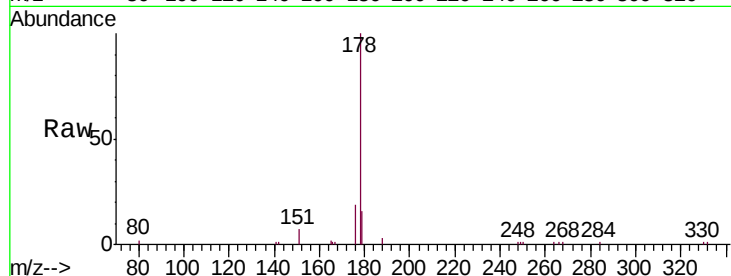




#23  
Phenanthrene  
Concen: 0.386 ng  
RT: 16.81 min Scan# 1265  
Delta R.T. 0.00 min  
Lab File: BE097286.D  
Acq: 16 Aug 2018 11:21

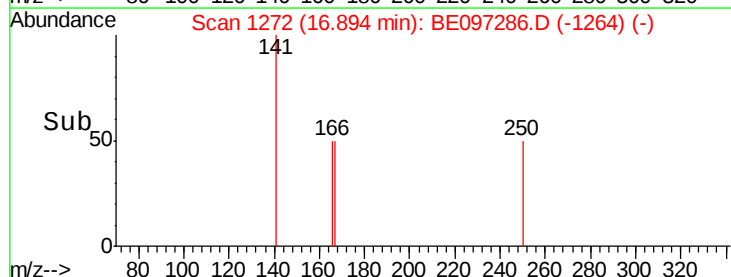
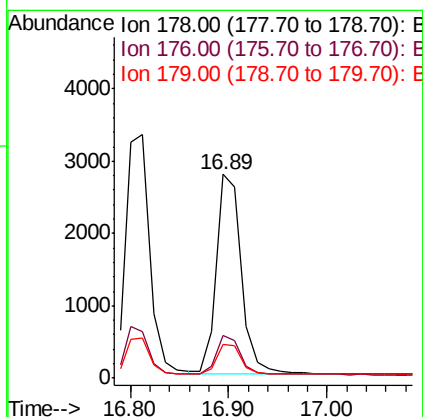
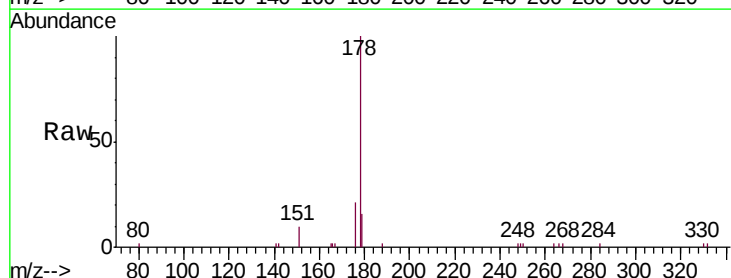
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

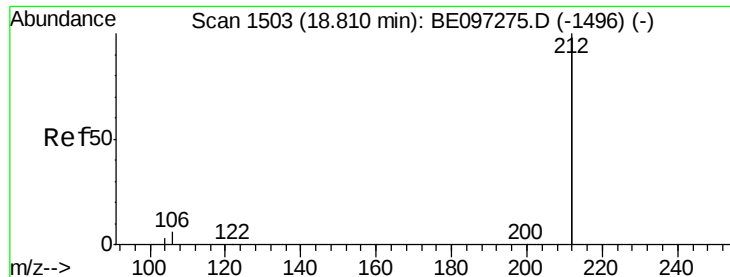
Tgt Ion:178 Resp: 5804  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.1 22.7  
179 15.3 11.8 17.6



#24  
Anthracene  
Concen: 0.359 ng  
RT: 16.89 min Scan# 1272  
Delta R.T. -0.01 min  
Lab File: BE097286.D  
Acq: 16 Aug 2018 11:21

Tgt Ion:178 Resp: 4839  
Ion Ratio Lower Upper  
178 100  
176 18.6 12.8 19.2  
179 15.0 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.364 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

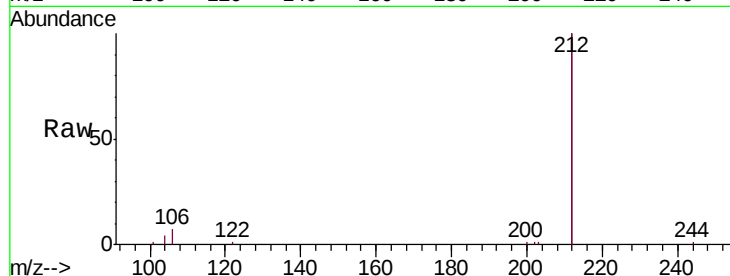
Tgt Ion:212 Resp: 22662

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

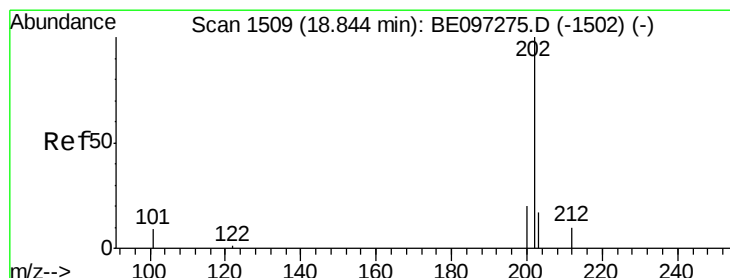
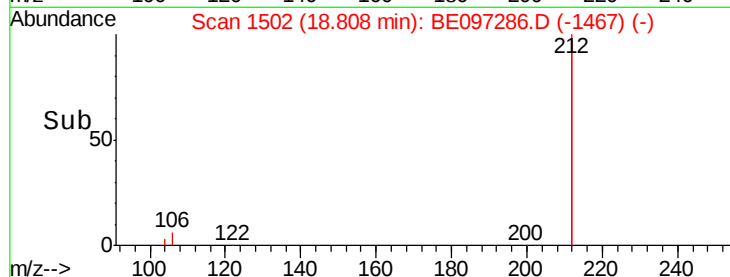
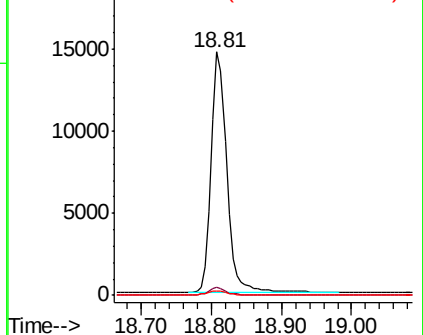
104 1.7 1.6 2.4



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: 0.366 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

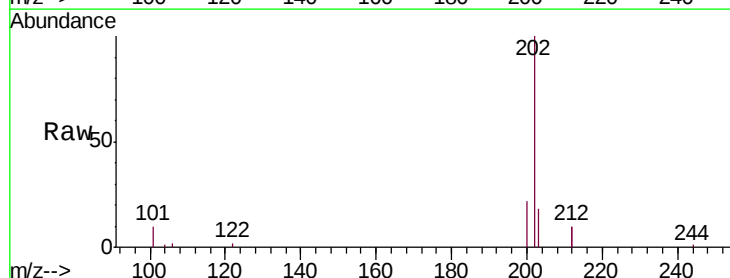
Tgt Ion:202 Resp: 6089

Ion Ratio Lower Upper

202 100

101 10.3 9.8 14.8

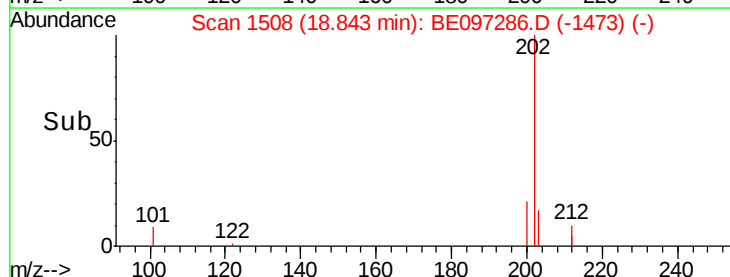
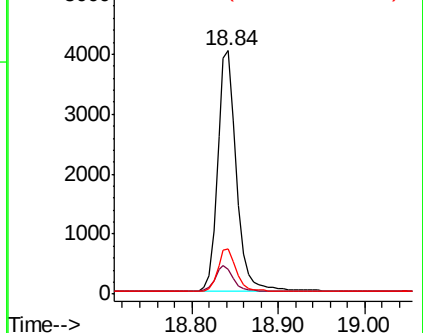
203 17.1 13.7 20.5

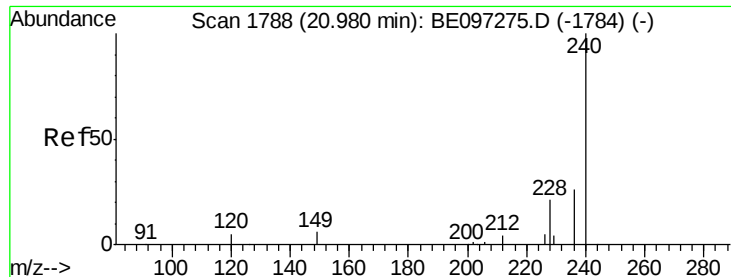


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.98 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

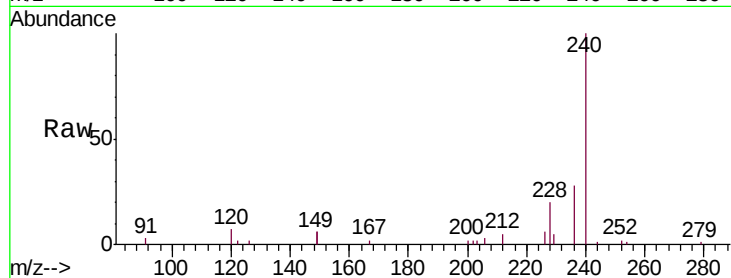
Tgt Ion:240 Resp: 5526

Ion Ratio Lower Upper

240 100

120 6.9 5.5 8.3

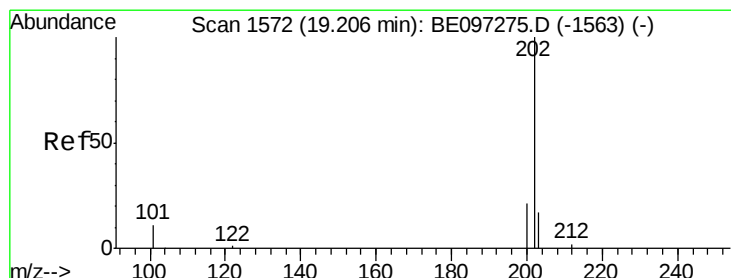
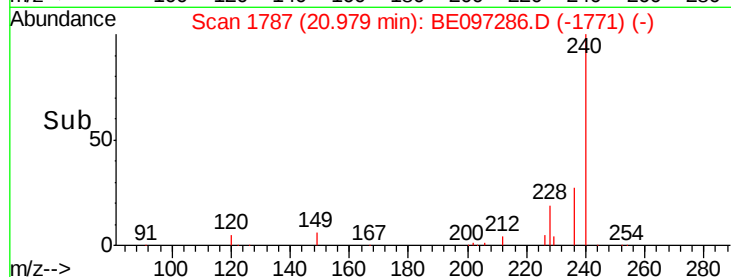
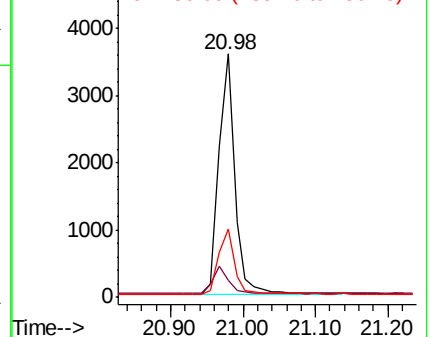
236 28.1 20.7 31.1



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



#28

Pyrene

Concen: 0.387 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

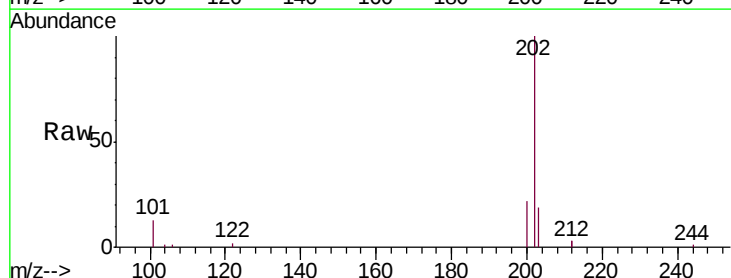
Tgt Ion:202 Resp: 5769

Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

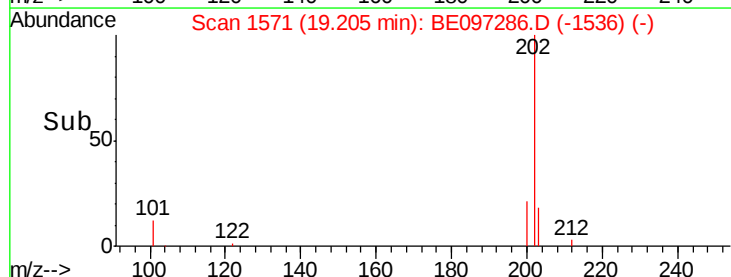
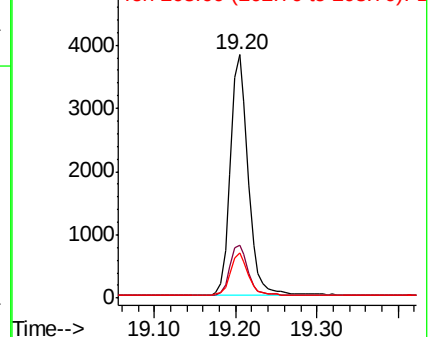
203 17.2 13.8 20.8

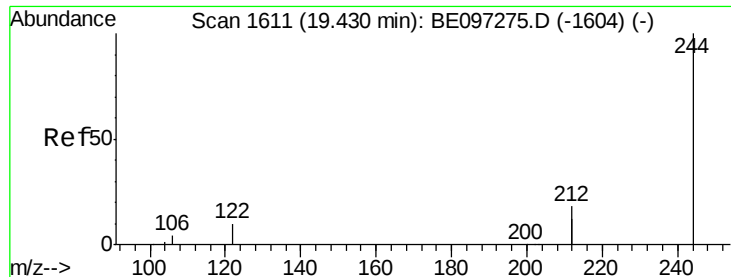


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.386 ng

RT: 19.43 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

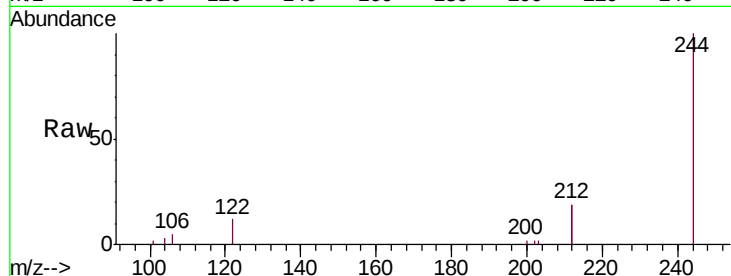
Tgt Ion:244 Resp: 4010

Ion Ratio Lower Upper

244 100

212 37.6 25.4 38.0

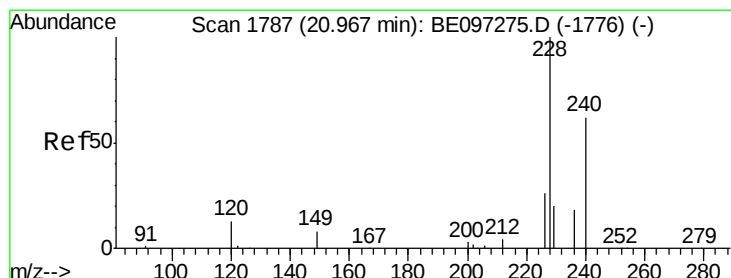
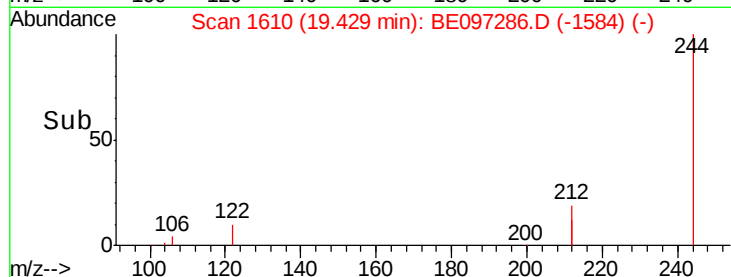
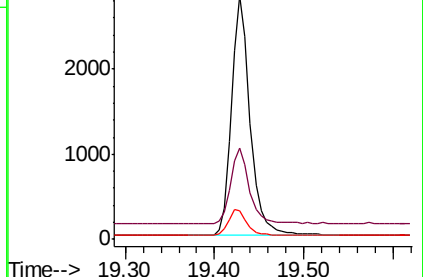
122 12.0 8.1 12.1



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: 0.368 ng

RT: 20.95 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

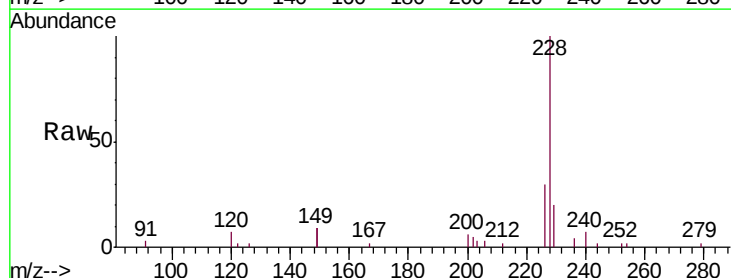
Tgt Ion:228 Resp: 5114

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

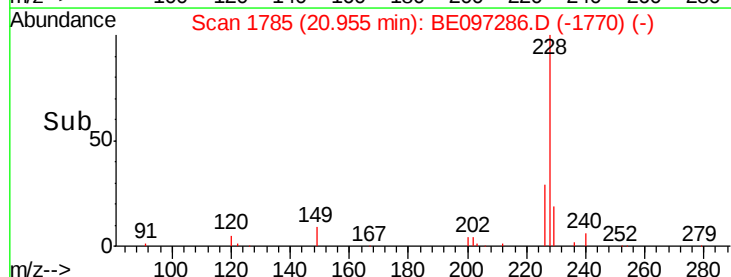
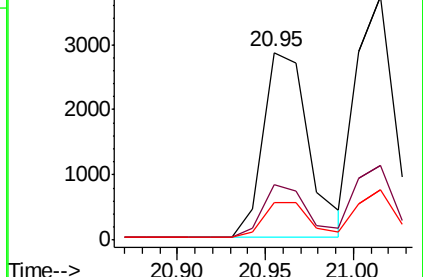
229 20.3 16.0 24.0

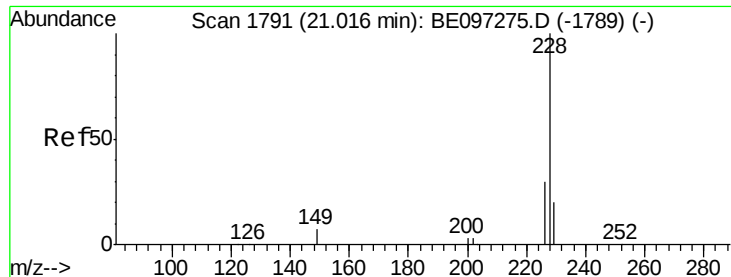


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.396 ng

RT: 21.02 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

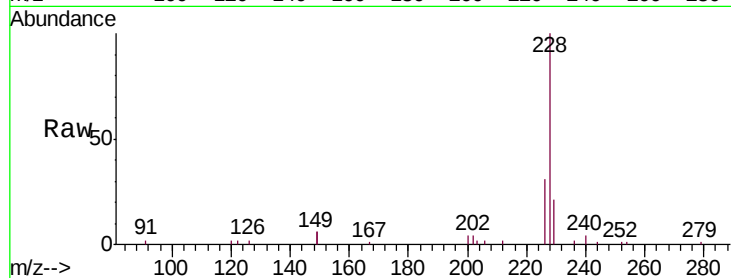
Tgt Ion: 228 Resp: 5632

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

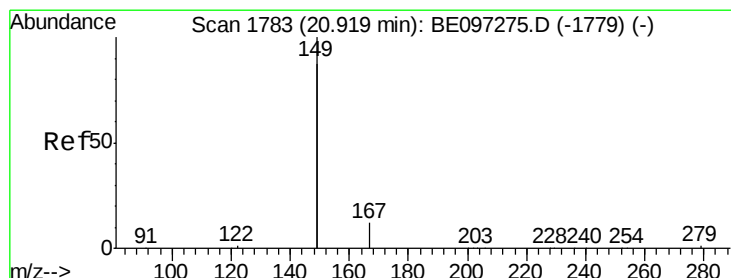
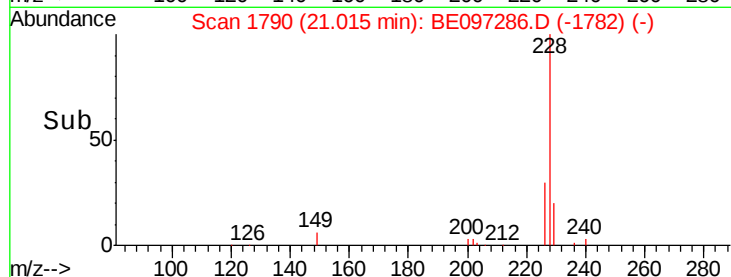
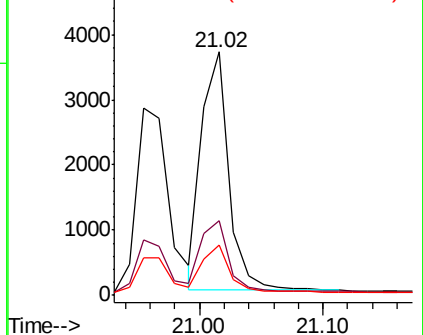
229 20.9 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

5000 Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.263 ng

RT: 20.92 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

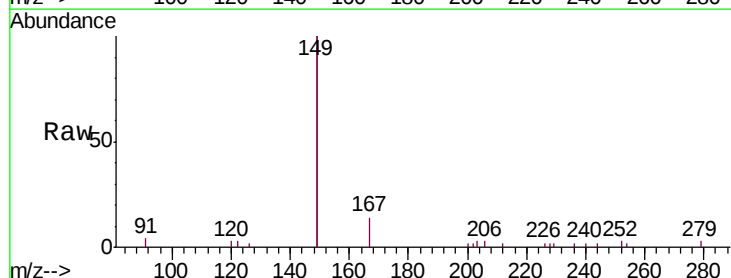
Tgt Ion: 149 Resp: 4733

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

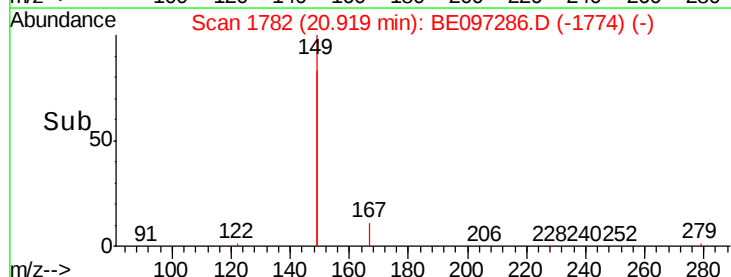
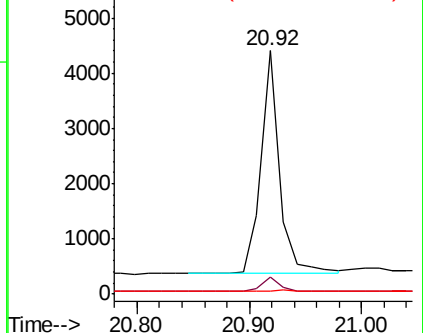
279 1.0 0.7 1.1

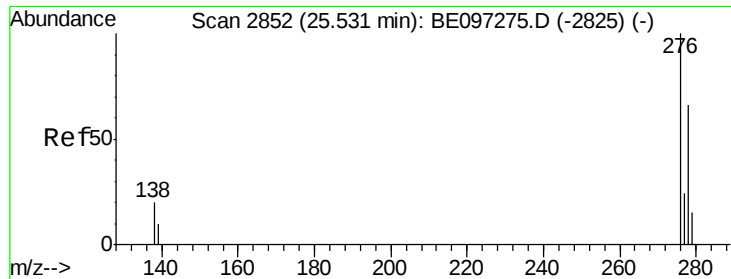


Abundance Ion 149.00 (148.70 to 149.70): E

6000 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: 0.367 ng

RT: 25.53 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

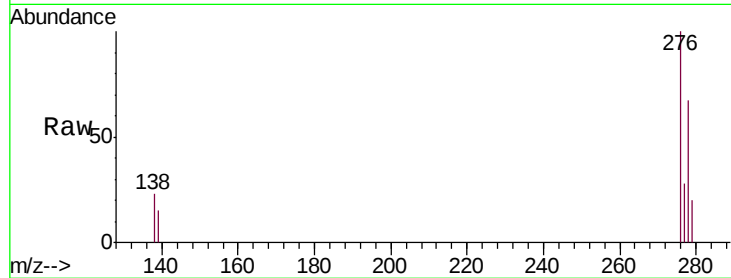
Tgt Ion:276 Resp: 5622

Ion Ratio Lower Upper

276 100

138 18.0 22.5 33.7#

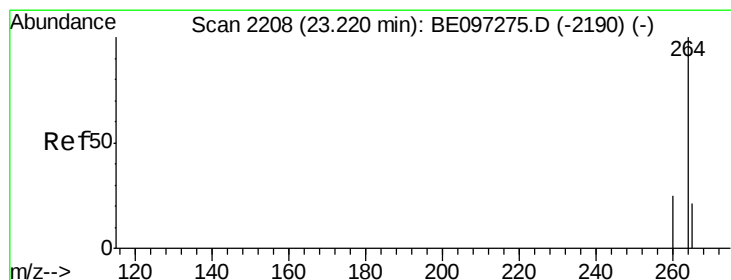
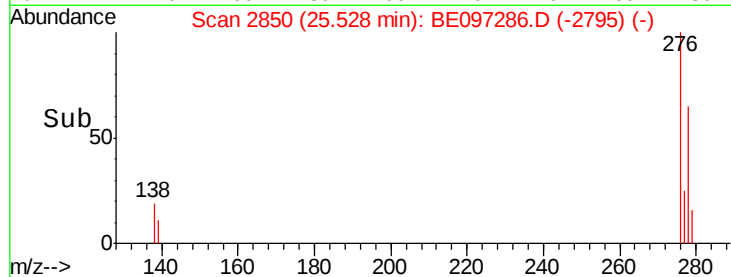
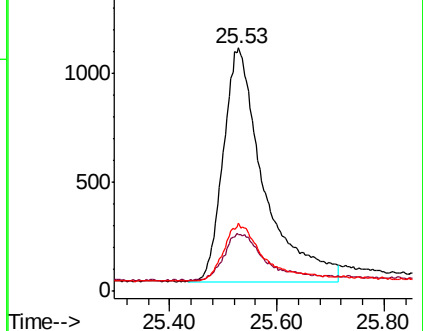
277 24.2 19.9 29.9



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: 23.22 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

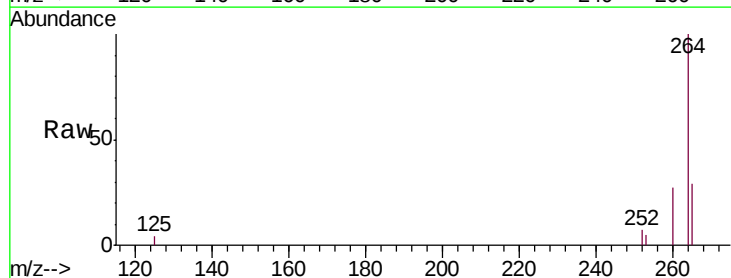
Tgt Ion:264 Resp: 4901

Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

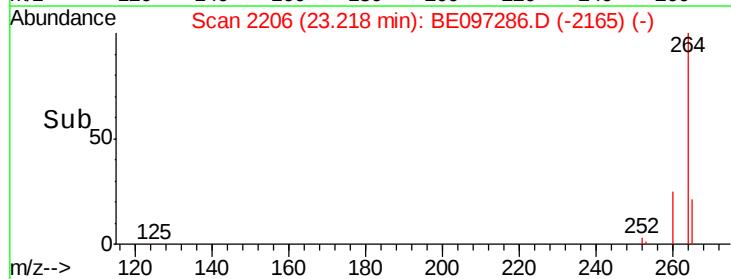
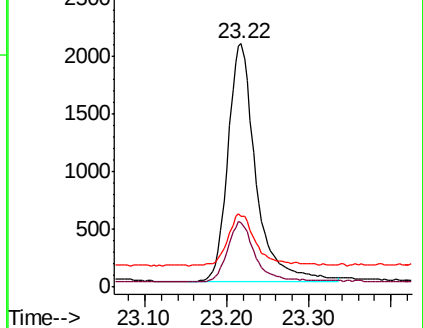
265 29.2 22.8 34.2

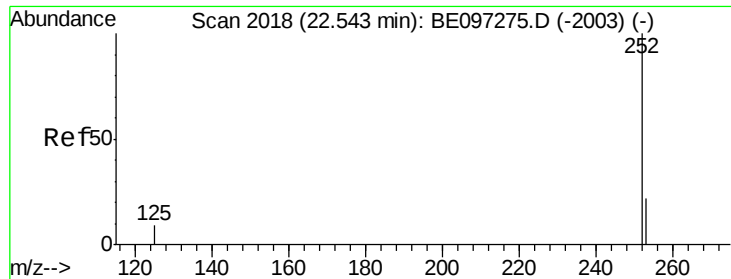


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

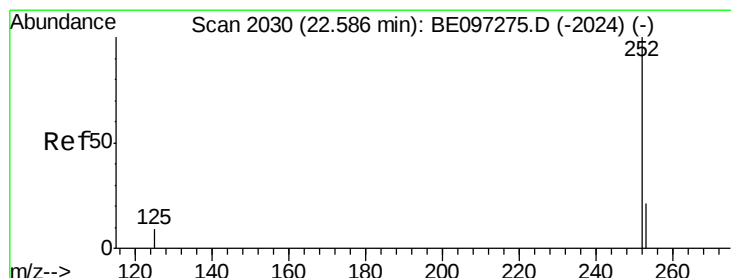
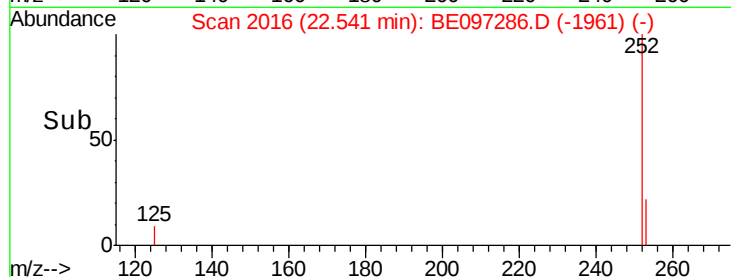
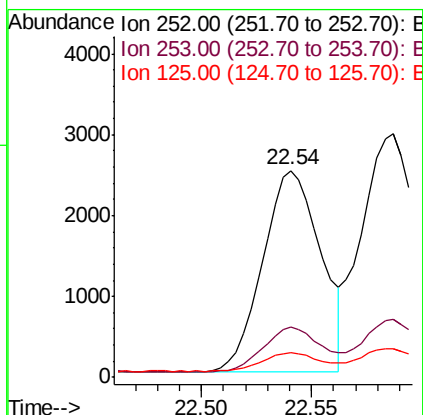
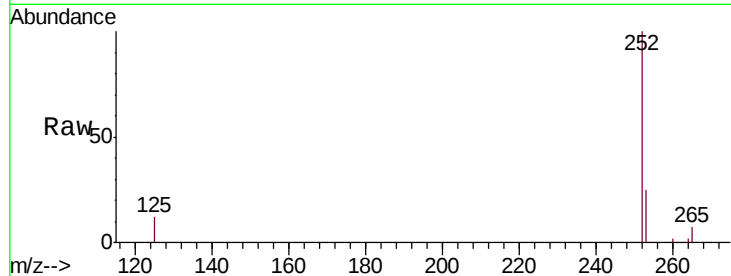




#35  
Benzo(b)fluoranthene  
Concen: 0.374 ng  
RT: 22.54 min Scan# 2016  
Delta R.T. -0.00 min  
Lab File: BE097286.D  
Acq: 16 Aug 2018 11:21

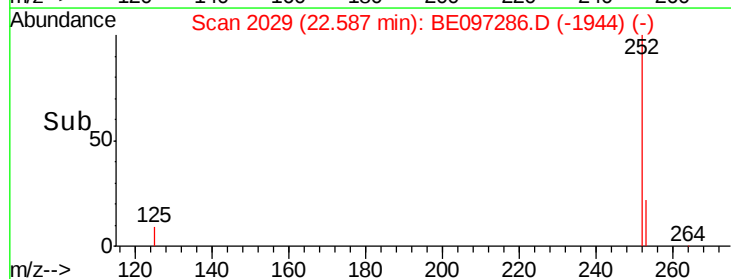
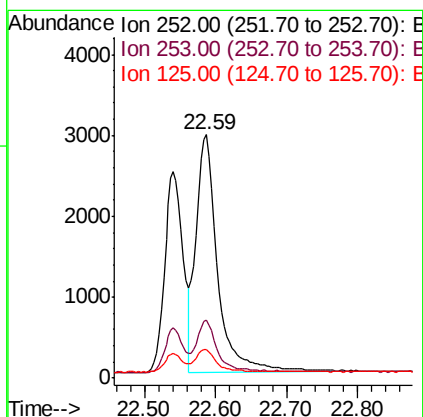
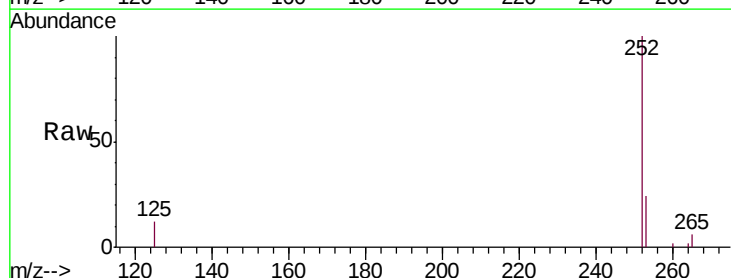
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

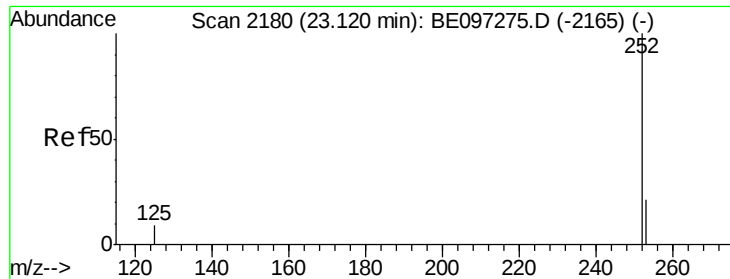
Tgt Ion:252 Resp: 4560  
Ion Ratio Lower Upper  
252 100  
253 24.5 20.0 30.0  
125 11.9 16.0 24.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.415 ng  
RT: 22.59 min Scan# 2029  
Delta R.T. 0.00 min  
Lab File: BE097286.D  
Acq: 16 Aug 2018 11:21

Tgt Ion:252 Resp: 6150  
Ion Ratio Lower Upper  
252 100  
253 23.7 16.0 24.0  
125 11.8 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.378 ng

RT: 23.12 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

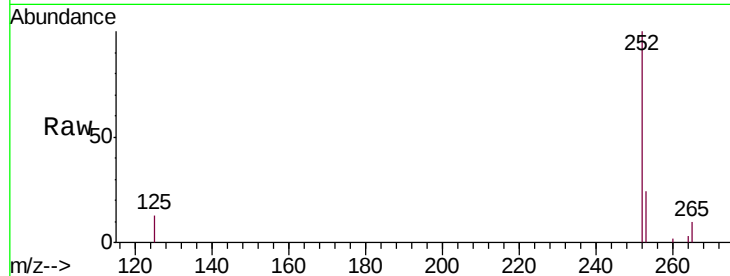
Tgt Ion:252 Resp: 4630

Ion Ratio Lower Upper

252 100

253 24.3 16.0 24.0#

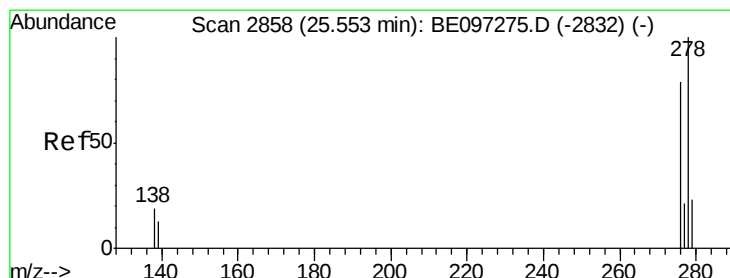
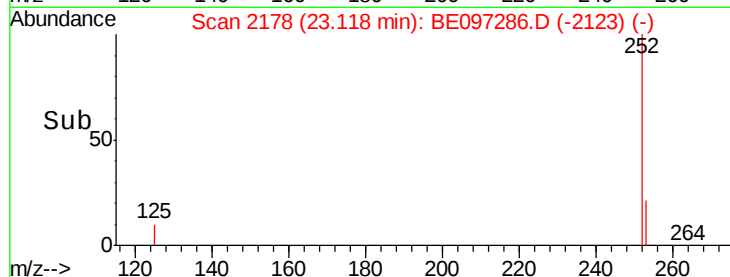
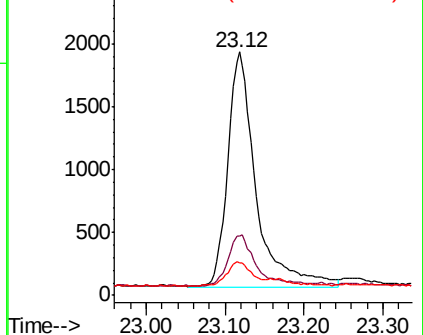
125 13.3 12.0 18.0



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: 0.377 ng

RT: 25.54 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

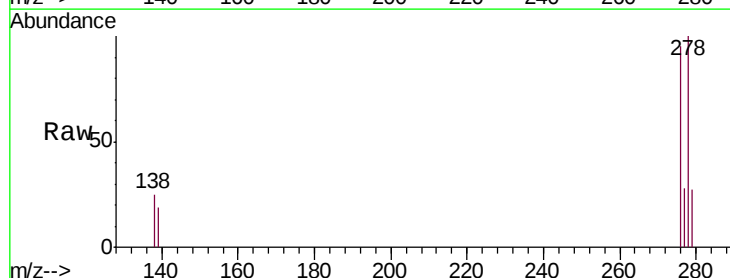
Tgt Ion:278 Resp: 4557

Ion Ratio Lower Upper

278 100

139 18.6 16.0 24.0

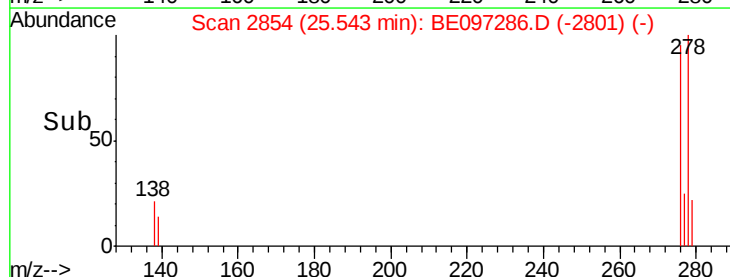
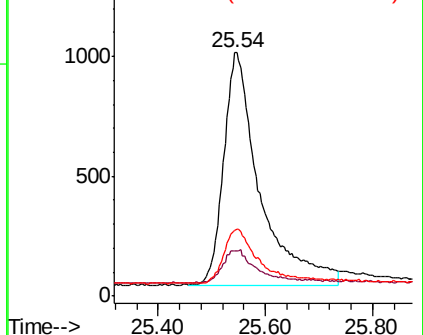
279 26.8 20.0 30.0

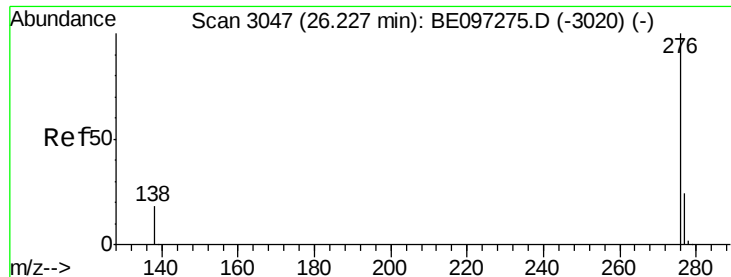


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.363 ng

RT: 26.22 min Scan# 3045

Delta R.T. -0.00 min

Lab File: BE097286.D

Acq: 16 Aug 2018 11:21

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

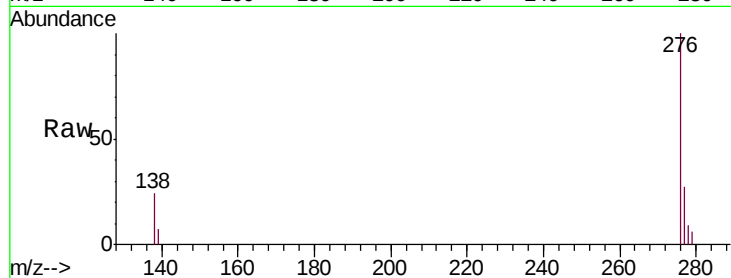
Tgt Ion: 276 Resp: 4426

Ion Ratio Lower Upper

276 100

277 27.3 16.0 24.0#

138 23.6 20.0 30.0



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

