

Data Path : Z:\HPCHEM1\BNA\_E\Data\be091815\  
 Data File : BE090886.D  
 Acq On : 18 Sep 2015 15:17  
 Operator : UM/IZ  
 Sample : SSTDICCC001  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICCC001

Quant Time: Sep 18 15:56:15 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE091815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 18 15:49:17 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 24862    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.30 | 136  | 108449   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.17 | 164  | 54784    | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.91 | 188  | 130512   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.07 | 240  | 195454   | 5.00 | ng    | 0.00     |
| 33) Perylene-d12          | 23.35 | 264  | 197590   | 5.00 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.18  | 112 | 6074  | 1.15 | ng | 0.00 |
| 5) Phenol-d6                | 6.75  | 99  | 7511  | 1.07 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.70  | 82  | 7416  | 1.02 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.69 | 330 | 1873  | 1.11 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.80 | 172 | 15657 | 1.03 | ng | 0.00 |
| 28) Terphenyl-d14           | 19.53 | 244 | 22725 | 1.00 | ng | 0.00 |

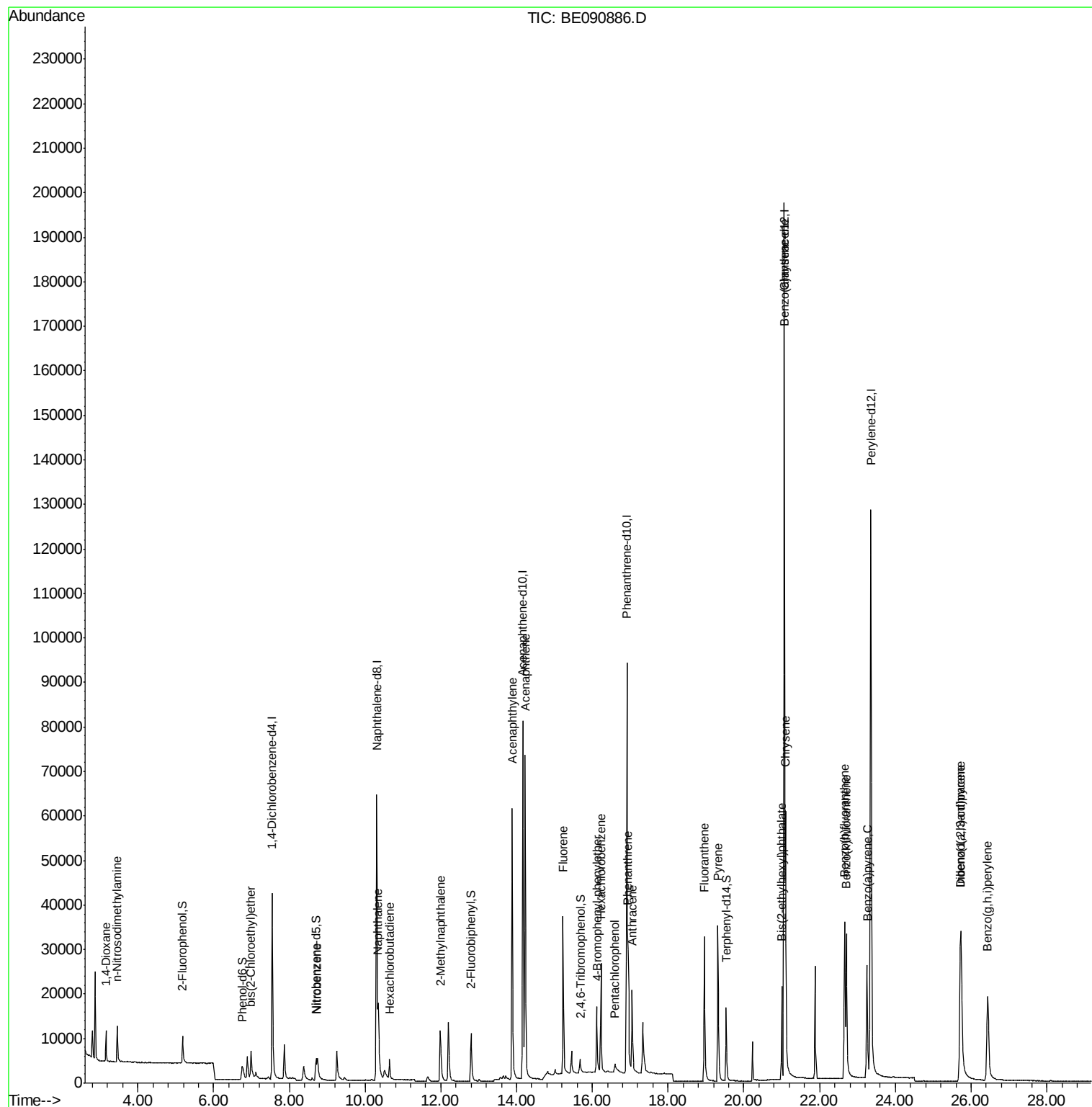
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.15  | 88  | 4038  | 1.03   | ng | 99   |
| 3) n-Nitrosodimethylamine      | 3.45  | 42  | 5149  | 0.98   | ng | # 89 |
| 6) bis(2-Chloroethyl)ether     | 6.98  | 93  | 7018  | 0.85   | ng | 99   |
| 9) Nitrobenzene                | 8.75  | 77  | 7993  | 0.99   | ng | 99   |
| 10) Naphthalene                | 10.35 | 128 | 24123 | 1.01   | ng | 97   |
| 11) Hexachlorobutadiene        | 10.64 | 225 | 3644  | 0.99   | ng | 98   |
| 12) 2-Methylnaphthalene        | 11.98 | 142 | 14257 | 1.09   | ng | 99   |
| 16) Acenaphthylene             | 13.88 | 152 | 94724 | 1.07   | ng | 100  |
| 17) Acenaphthene               | 14.23 | 154 | 14535 | 0.99   | ng | 91   |
| 18) Fluorene                   | 15.22 | 166 | 18170 | 0.99   | ng | 97   |
| 20) 4-Bromophenyl-phenylether  | 16.13 | 248 | 4981  | 1.08   | ng | 93   |
| 21) Hexachlorobenzene          | 16.23 | 284 | 23814 | 0.98   | ng | 98   |
| 22) Pentachlorophenol          | 16.60 | 266 | 2068  | 1.12   | ng | 91   |
| 23) Phenanthrene               | 16.94 | 178 | 32932 | 0.99   | ng | 100  |
| 24) Anthracene                 | 17.05 | 178 | 28889 | 1.04   | ng | 100  |
| 25) Fluoranthene               | 18.96 | 202 | 39495 | 1.13   | ng | 99   |
| 27) Pyrene                     | 19.32 | 202 | 41630 | 1.01   | ng | 100  |
| 29) Benzo(a)anthracene         | 21.05 | 228 | 46006 | 1.00   | ng | 99   |
| 30) Chrysene                   | 21.10 | 228 | 52456 | 1.03   | ng | 100  |
| 31) Bis(2-ethylhexyl)phthalate | 21.00 | 149 | 17664 | 1.21   | ng | 99   |
| 32) Indeno(1,2,3-cd)pyrene     | 25.71 | 276 | 57223 | 1.19   | ng | 99   |
| 34) Benzo(b)fluoranthene       | 22.66 | 252 | 44794 | 1.02   | ng | 99   |
| 35) Benzo(k)fluoranthene       | 22.70 | 252 | 52894 | 1.03   | ng | 99   |
| 36) Benzo(a)pyrene             | 23.25 | 252 | 42351 | 1.08   | ng | # 91 |
| 37) Dibenzo(a,h)anthracene     | 25.74 | 278 | 45247 | 1.08   | ng | 99   |
| 38) Benzo(g,h,i)perylene       | 26.44 | 276 | 48369 | 1.07   | ng | 97   |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 18 15:49:17 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 726

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC001

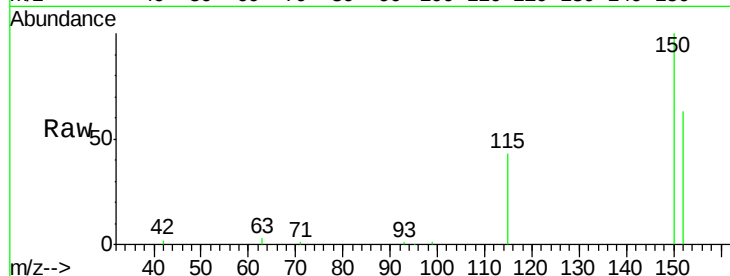
Tgt Ion:152 Resp: 24862

Ion Ratio Lower Upper

152 100

150 157.7 122.2 183.4

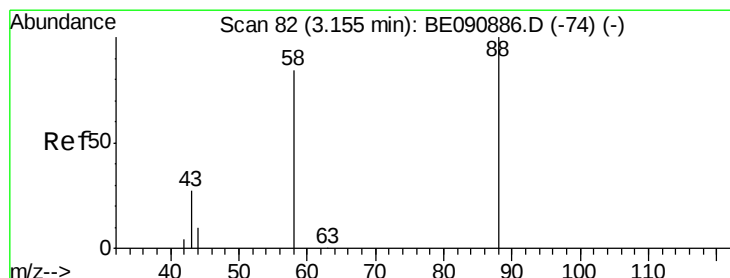
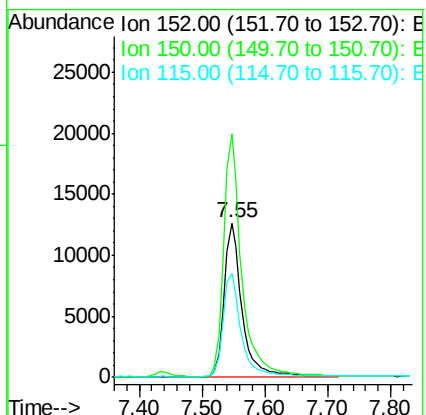
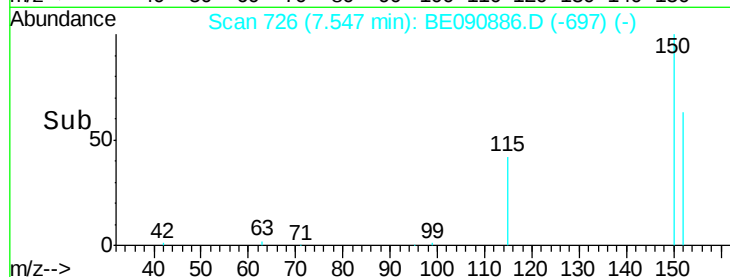
115 67.1 51.0 76.4



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: 1.03 ng

RT: 3.15 min Scan# 82

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

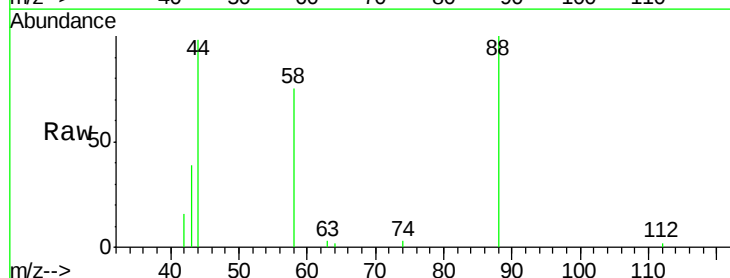
Tgt Ion: 88 Resp: 4038

Ion Ratio Lower Upper

88 100

58 84.3 68.4 102.6

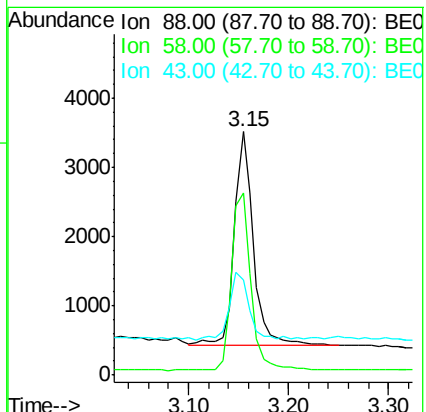
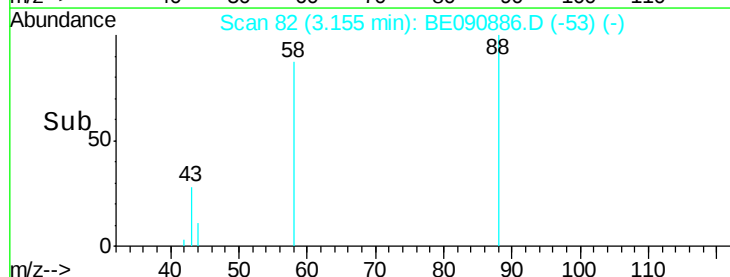
43 33.5 26.9 40.3



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: 0.98 ng

RT: 3.45 min Scan# 126

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC001

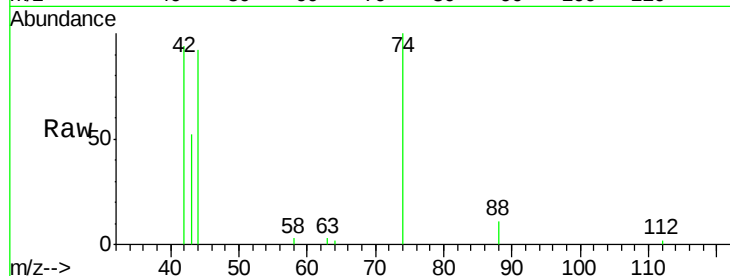
Tgt Ion: 42 Resp: 5149

Ion Ratio Lower Upper

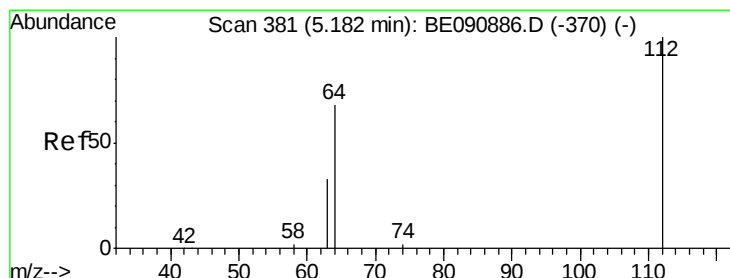
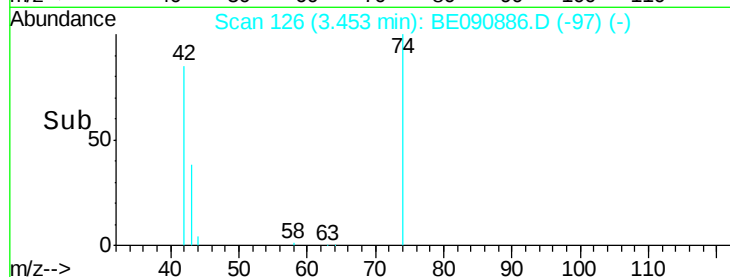
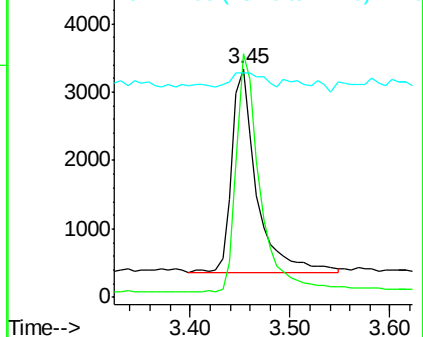
42 100

74 116.0 83.7 125.5

44 9.1 10.0 15.0#



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: 1.15 ng

RT: 5.18 min Scan# 381

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

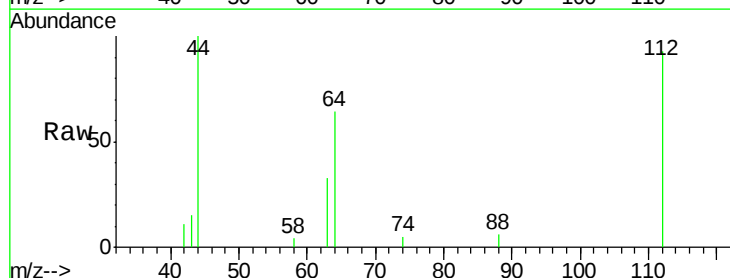
Tgt Ion: 112 Resp: 6074

Ion Ratio Lower Upper

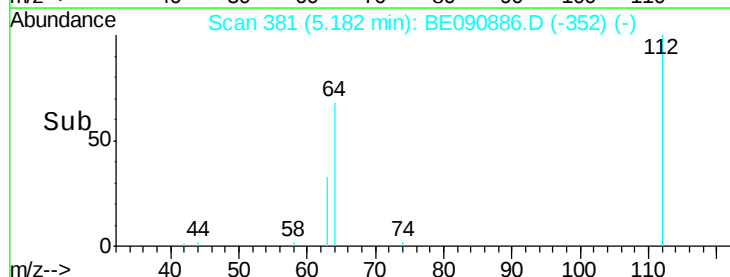
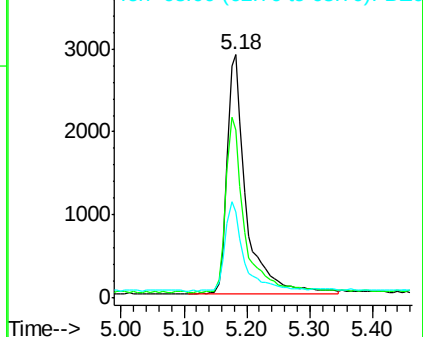
112 100

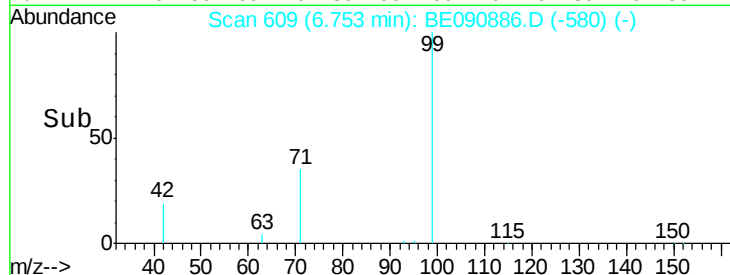
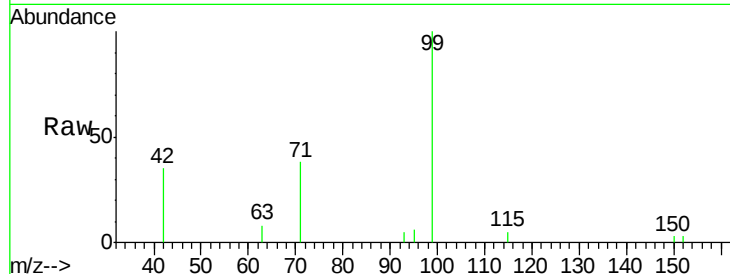
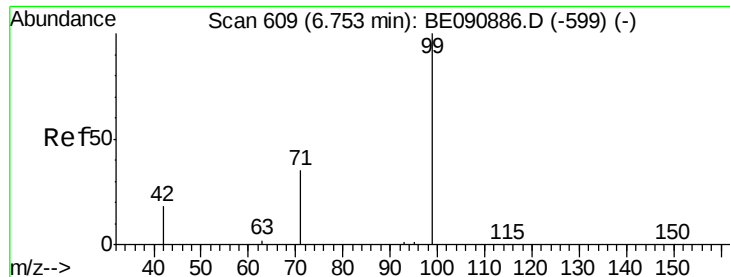
64 71.8 57.3 85.9

63 37.1 29.2 43.8



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: 1.07 ng

RT: 6.75 min Scan# 609

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC001

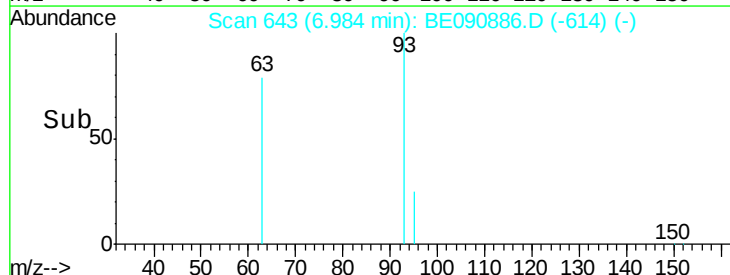
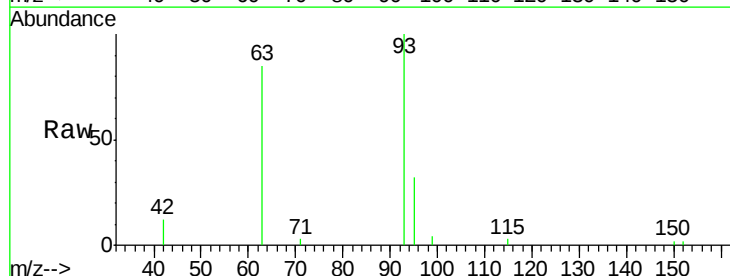
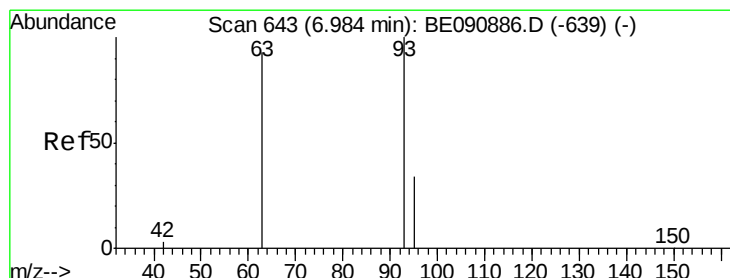
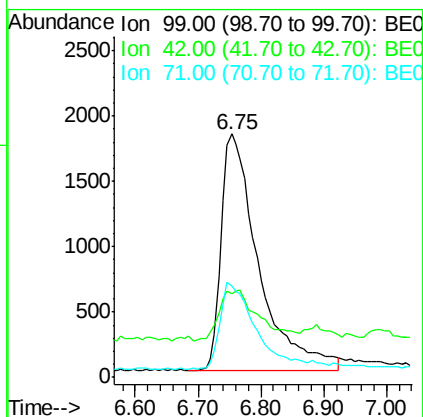
Tgt Ion: 99 Resp: 7511

Ion Ratio Lower Upper

99 100

42 0.0 16.8 25.2#

71 34.4 28.3 42.5



#6

bis(2-Chloroethyl)ether

Concen: 0.85 ng

RT: 6.98 min Scan# 643

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

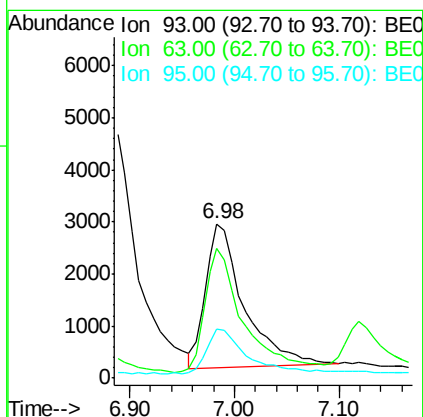
Tgt Ion: 93 Resp: 7018

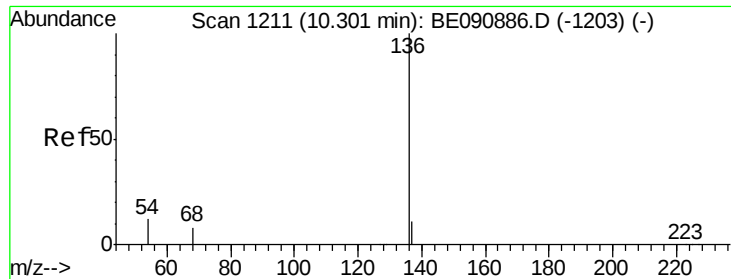
Ion Ratio Lower Upper

93 100

63 86.3 68.5 102.7

95 34.0 26.9 40.3





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.30 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC001

Tgt Ion: 136 Resp: 108449

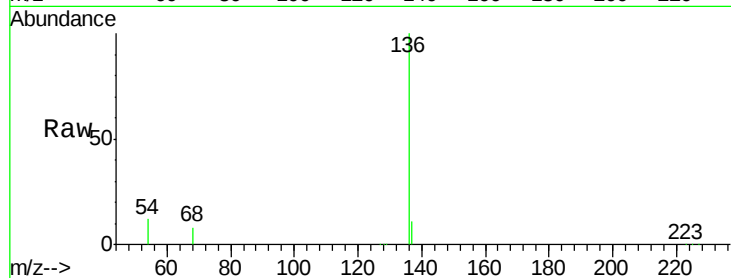
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 11.9 9.0 13.6

68 8.4 6.3 9.5

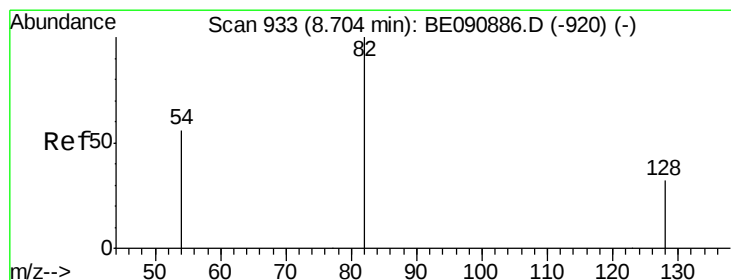
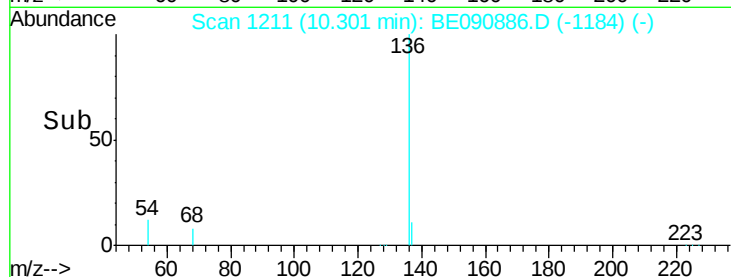
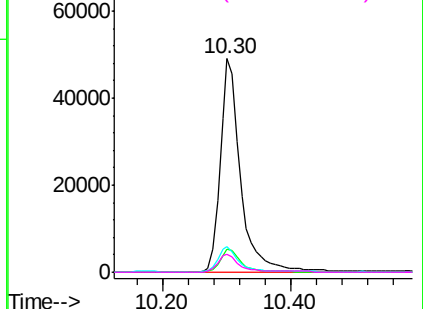


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.02 ng

RT: 8.70 min Scan# 933

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

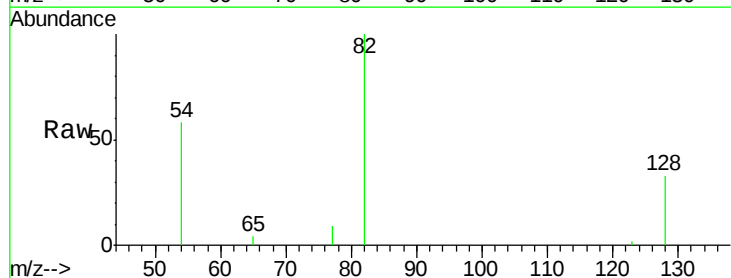
Tgt Ion: 82 Resp: 7416

Ion Ratio Lower Upper

82 100

128 33.2 25.0 37.4

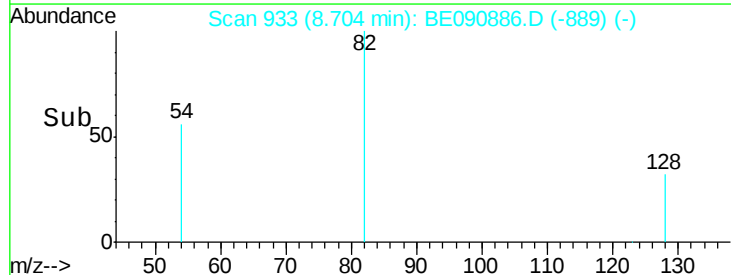
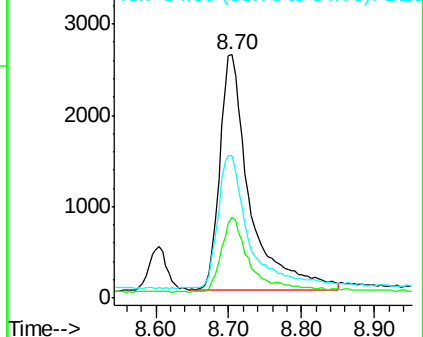
54 58.5 46.3 69.5

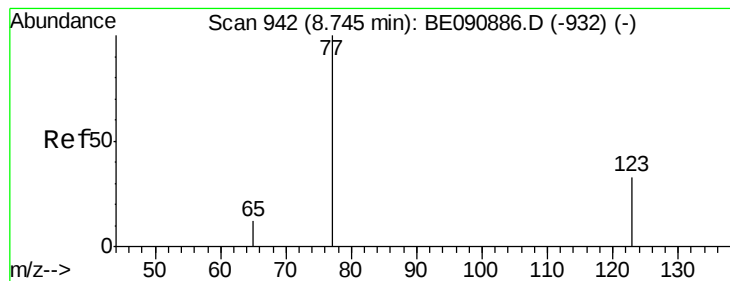


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.99 ng

RT: 8.75 min Scan# 942

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC001

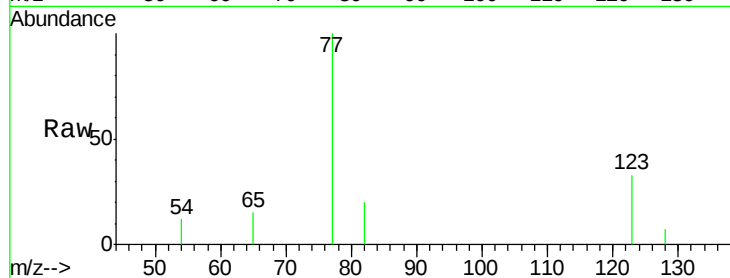
Tgt Ion: 77 Resp: 7993

Ion Ratio Lower Upper

77 100

123 32.4 25.1 37.7

65 12.2 9.9 14.9

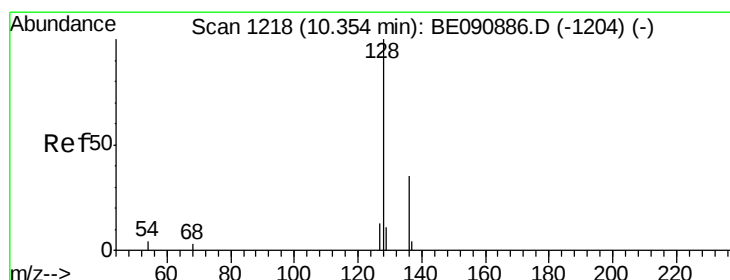
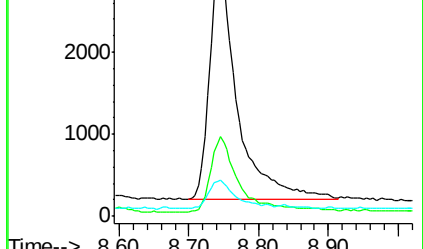
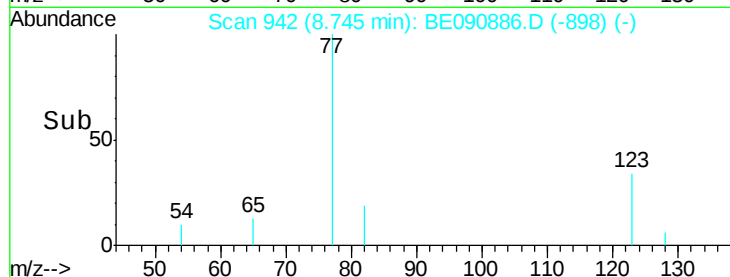


Abundance Ion 77.00 (76.70 to 77.70): BE090886.D (-932) (-)

Ion 123.00 (122.70 to 123.70): BE090886.D (-932) (-)

Ion 65.00 (64.70 to 65.70): BE090886.D (-932) (-)

Time-->



#10

Naphthalene

Concen: 1.01 ng

RT: 10.35 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

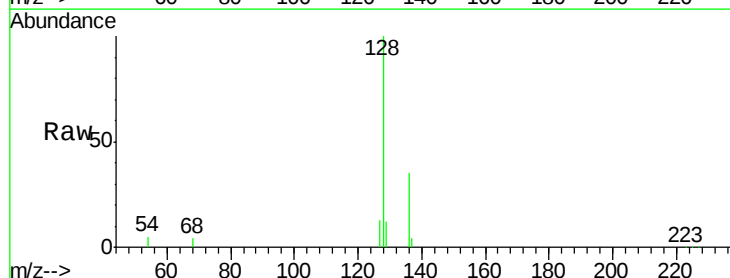
Tgt Ion: 128 Resp: 24123

Ion Ratio Lower Upper

128 100

129 11.5 8.4 12.6

127 13.4 9.9 14.9

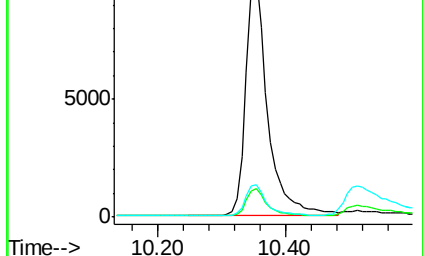
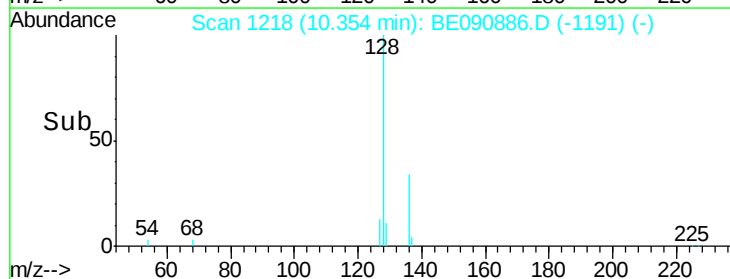


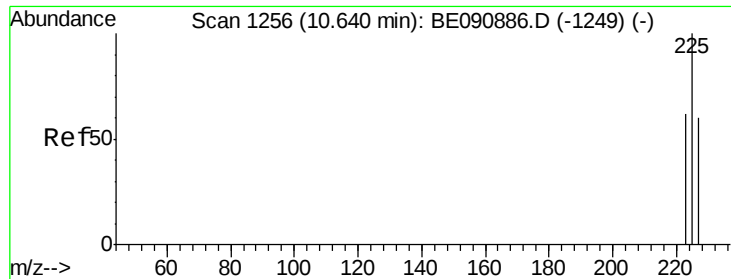
Abundance Ion 128.00 (127.70 to 128.70): BE090886.D (-1204) (-)

Ion 129.00 (128.70 to 129.70): BE090886.D (-1204) (-)

Ion 127.00 (126.70 to 127.70): BE090886.D (-1204) (-)

Time-->

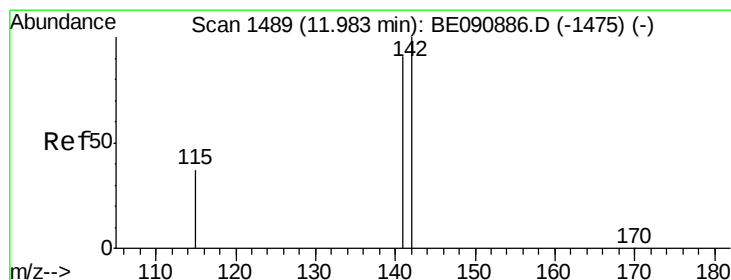
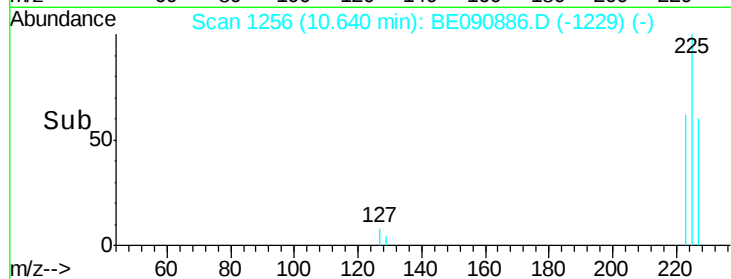
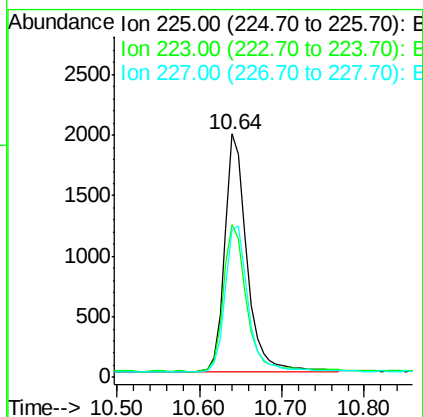
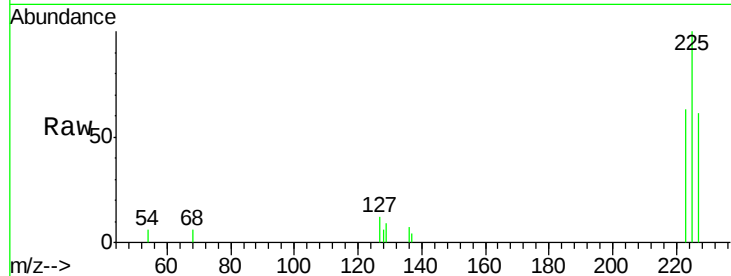




#11  
Hexachlorobutadiene  
Concen: 0.99 ng  
RT: 10.64 min Scan# 1256  
Delta R.T. 0.00 min  
Lab File: BE090886.D  
Acq: 18 Sep 2015 15:17

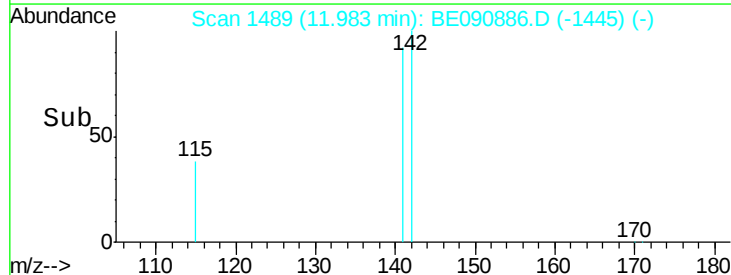
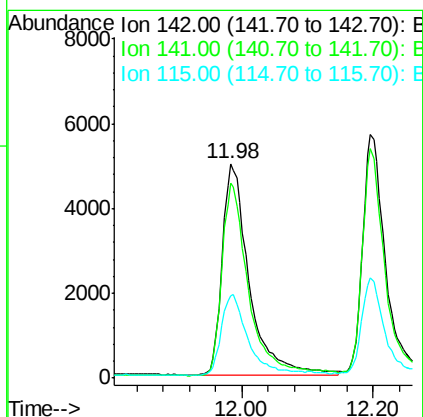
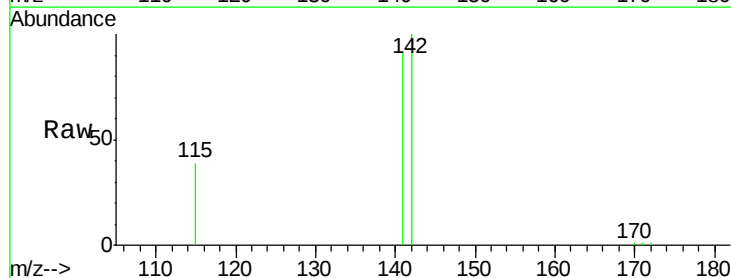
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC001

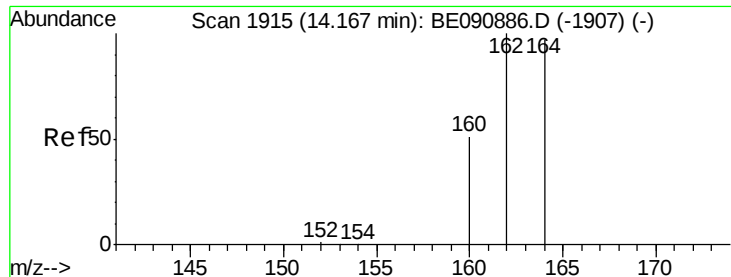
Tgt Ion: 225 Resp: 3644  
Ion Ratio Lower Upper  
225 100  
223 64.8 50.6 76.0  
227 64.9 51.0 76.6



#12  
2-Methylnaphthalene  
Concen: 1.09 ng  
RT: 11.98 min Scan# 1489  
Delta R.T. 0.00 min  
Lab File: BE090886.D  
Acq: 18 Sep 2015 15:17

Tgt Ion: 142 Resp: 14257  
Ion Ratio Lower Upper  
142 100  
141 91.2 71.4 107.2  
115 38.5 31.0 46.4





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC001

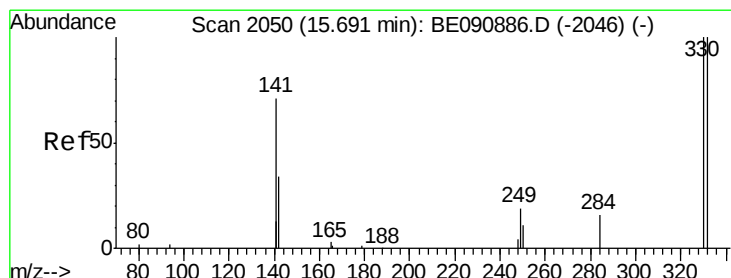
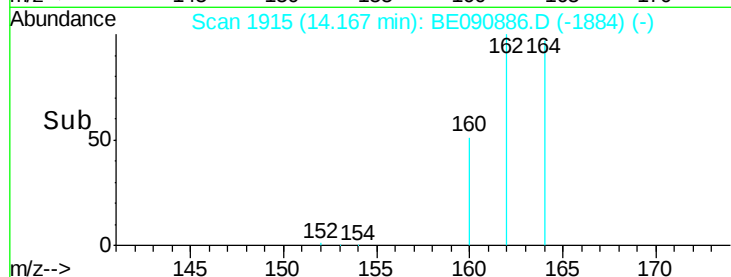
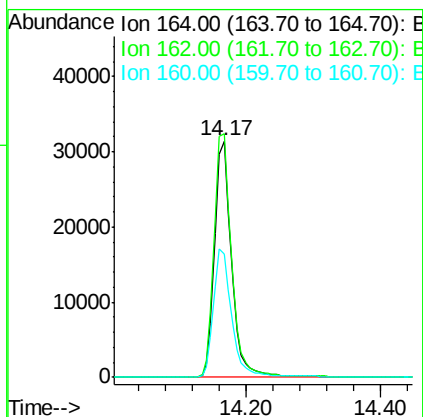
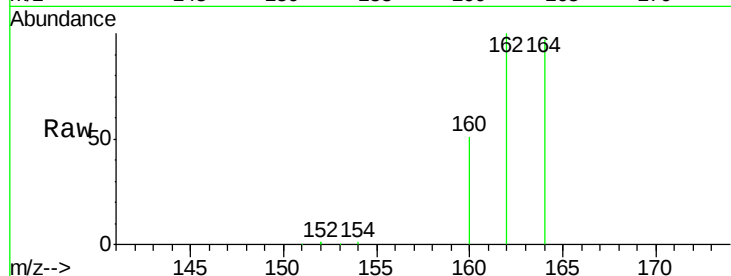
Tgt Ion:164 Resp: 54784

Ion Ratio Lower Upper

164 100

162 103.0 86.8 130.2

160 52.4 53.9 80.9#



#14

2,4,6-Tribromophenol

Concen: 1.11 ng

RT: 15.69 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

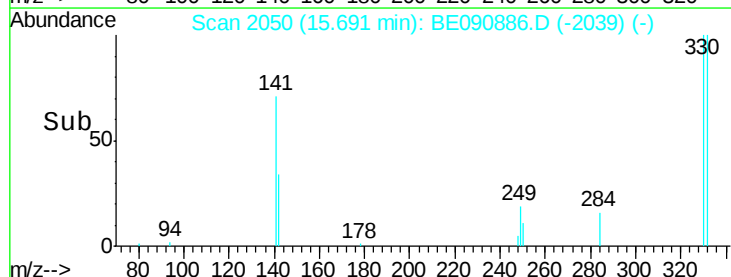
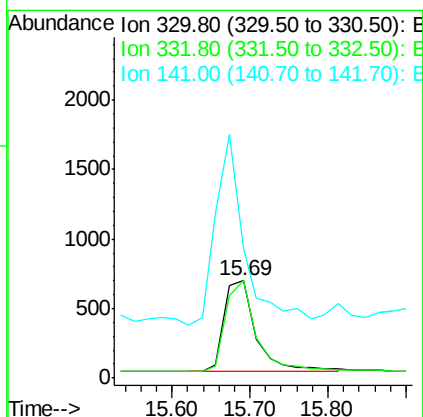
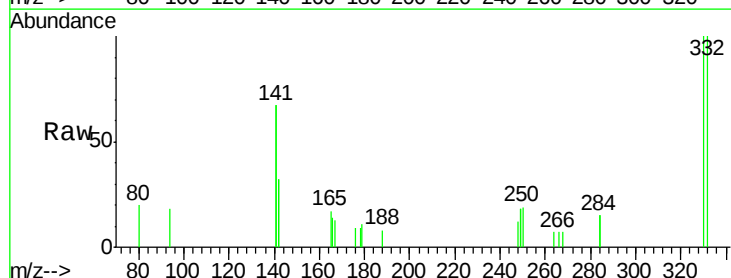
Tgt Ion:330 Resp: 1873

Ion Ratio Lower Upper

330 100

332 96.5 74.9 112.3

141 190.4 145.2 217.8

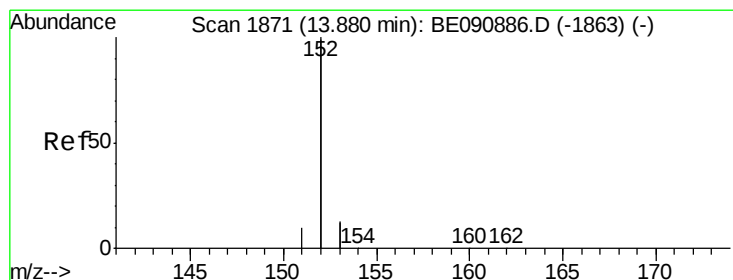
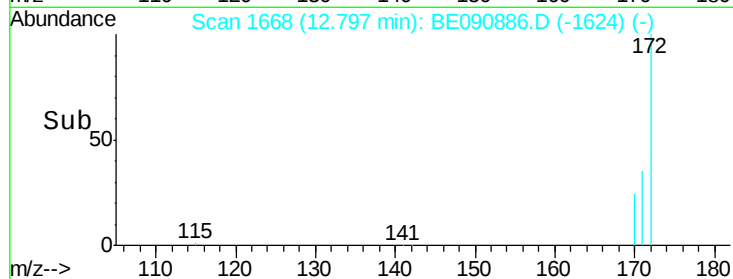
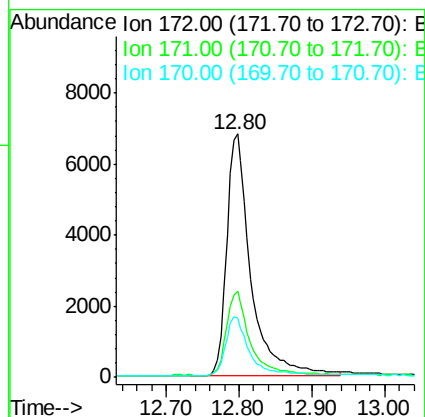
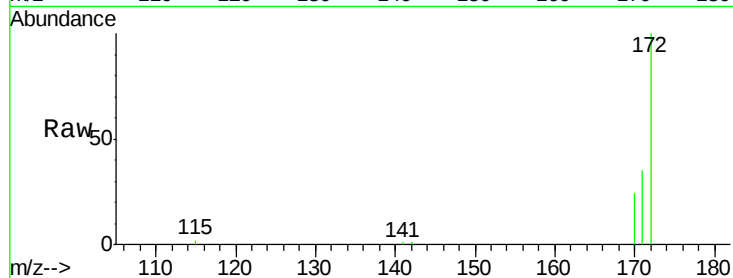




#15  
2-Fluorobiphenyl  
Concen: 1.03 ng  
RT: 12.80 min Scan# 1668  
Delta R.T. 0.00 min  
Lab File: BE090886.D  
Acq: 18 Sep 2015 15:17

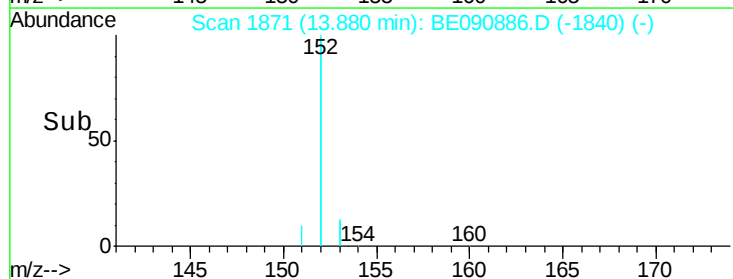
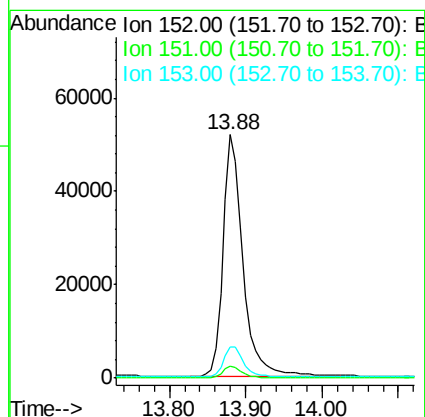
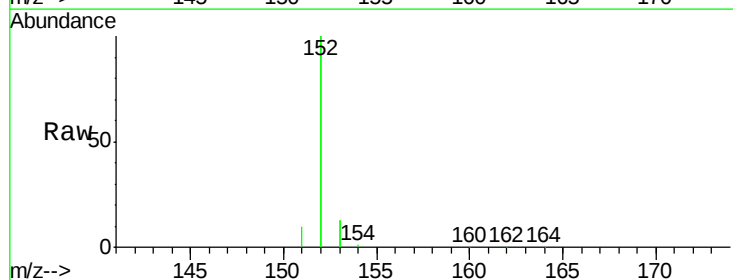
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC001

Tgt Ion:172 Resp: 15657  
Ion Ratio Lower Upper  
172 100  
171 35.1 27.8 41.8  
170 24.1 19.8 29.6



#16  
Acenaphthylene  
Concen: 1.07 ng  
RT: 13.88 min Scan# 1871  
Delta R.T. 0.00 min  
Lab File: BE090886.D  
Acq: 18 Sep 2015 15:17

Tgt Ion:152 Resp: 94724  
Ion Ratio Lower Upper  
152 100  
151 4.8 3.9 5.9  
153 12.8 10.3 15.5

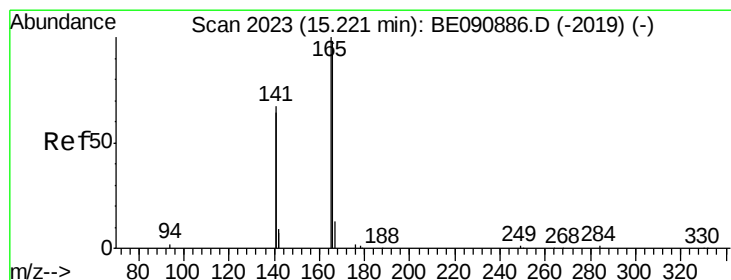
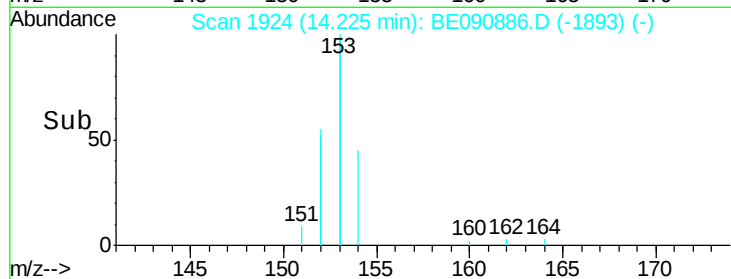
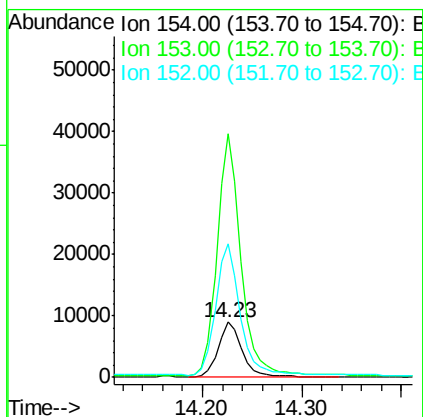
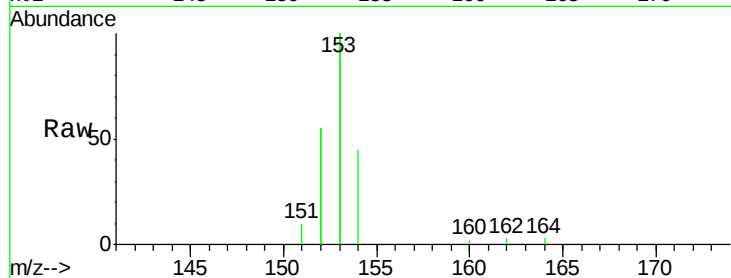




#17  
Acenaphthene  
Concen: 0.99 ng  
RT: 14.23 min Scan# 1924  
Delta R.T. 0.00 min  
Lab File: BE090886.D  
Acq: 18 Sep 2015 15:17

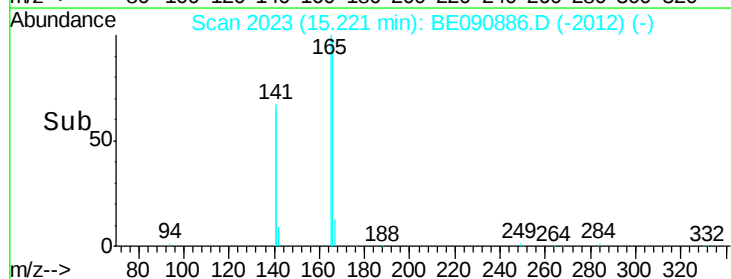
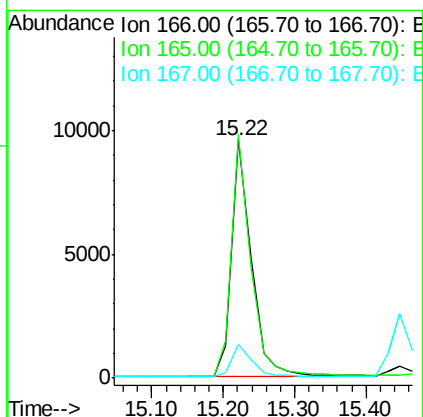
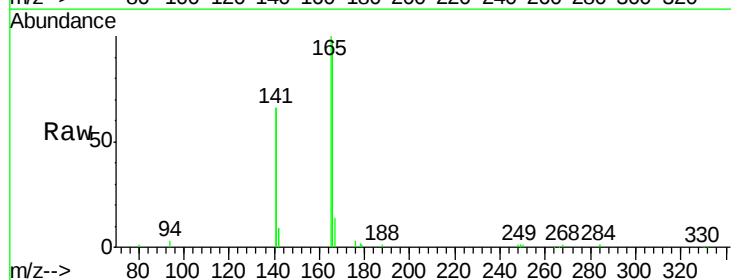
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC001

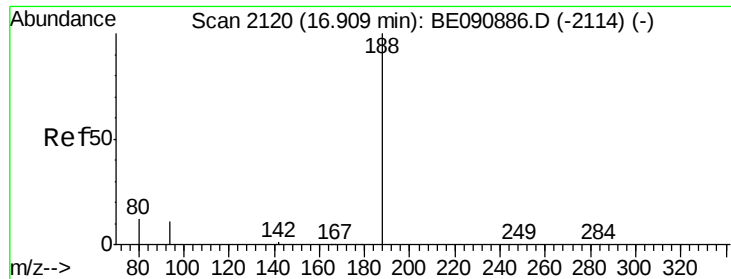
Tgt Ion:154 Resp: 14535  
Ion Ratio Lower Upper  
154 100  
153 448.6 354.5 531.7  
152 248.5 227.8 341.6



#18  
Fluorene  
Concen: 0.99 ng  
RT: 15.22 min Scan# 2023  
Delta R.T. 0.00 min  
Lab File: BE090886.D  
Acq: 18 Sep 2015 15:17

Tgt Ion:166 Resp: 18170  
Ion Ratio Lower Upper  
166 100  
165 100.6 82.7 124.1  
167 13.9 10.7 16.1





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2120

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC001

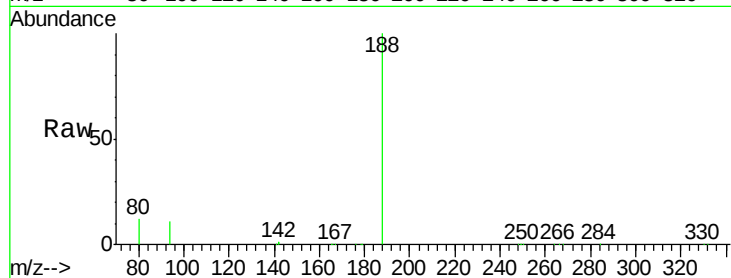
Tgt Ion:188 Resp: 130512

Ion Ratio Lower Upper

188 100

94 11.1 10.3 15.5

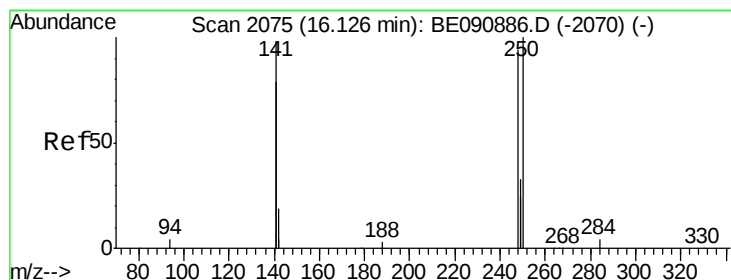
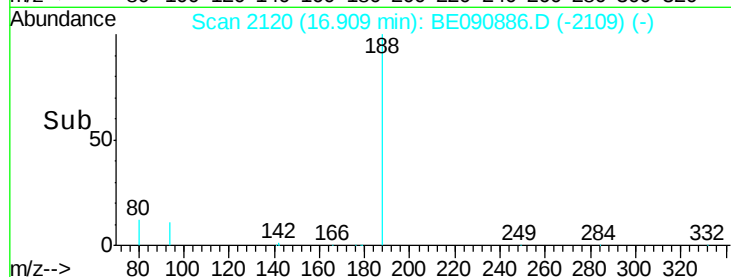
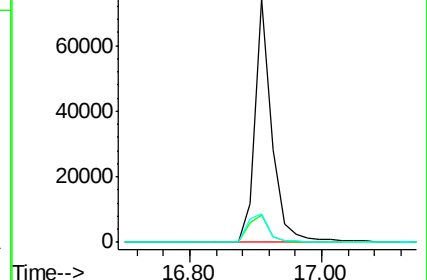
80 12.0 11.0 16.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 1.08 ng

RT: 16.13 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

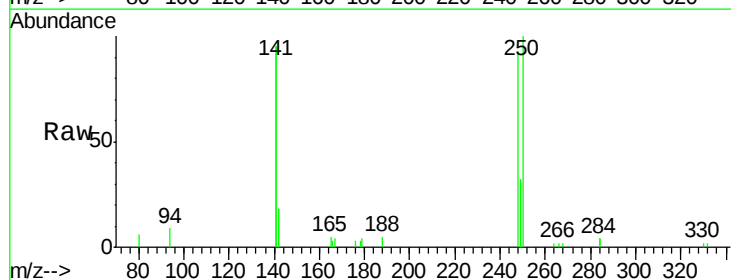
Tgt Ion:248 Resp: 4981

Ion Ratio Lower Upper

248 100

250 92.9 76.7 115.1

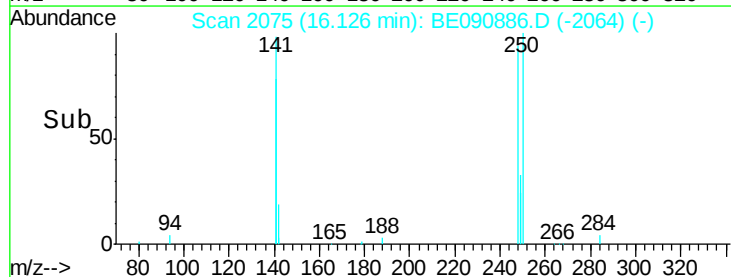
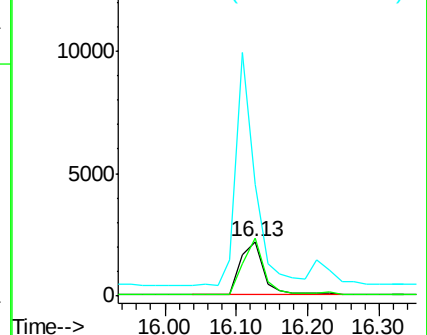
141 347.3 292.6 439.0



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





#21

Hexachlorobenzene

Concen: 0.98 ng

RT: 16.23 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC001

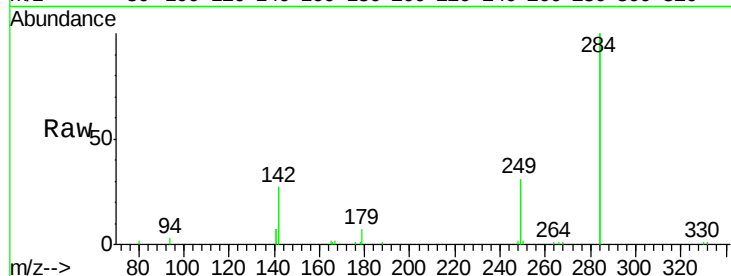
Tgt Ion:284 Resp: 23814

Ion Ratio Lower Upper

284 100

142 41.2 35.0 52.4

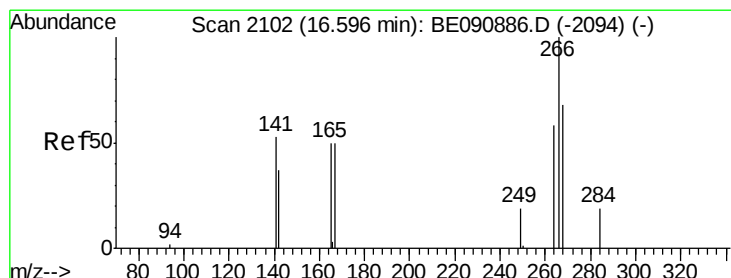
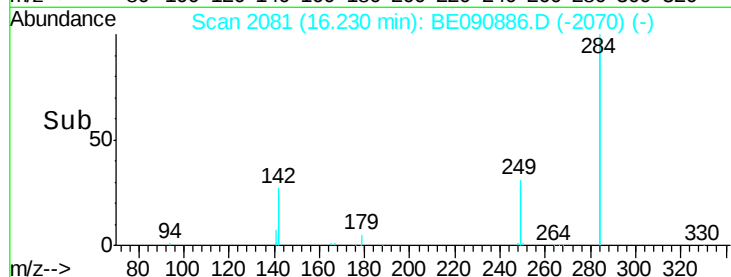
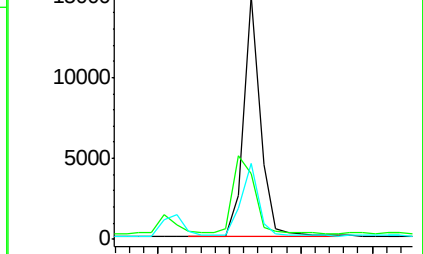
249 31.7 25.5 38.3



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: 1.12 ng

RT: 16.60 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

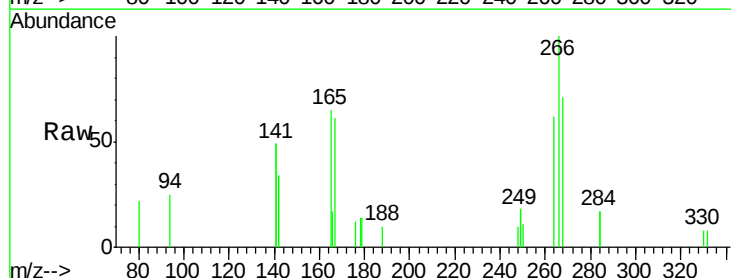
Tgt Ion:266 Resp: 2068

Ion Ratio Lower Upper

266 100

268 71.1 49.6 74.4

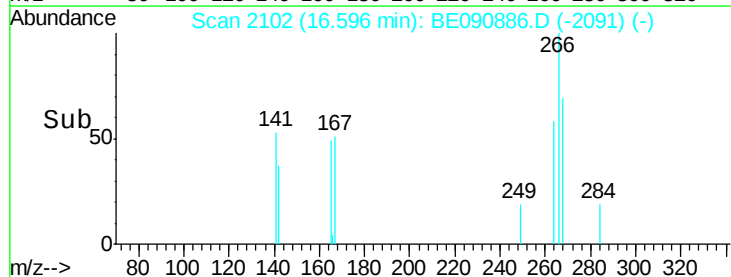
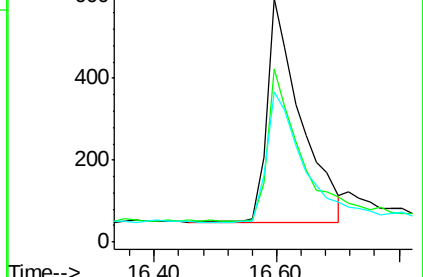
264 61.5 53.9 80.9

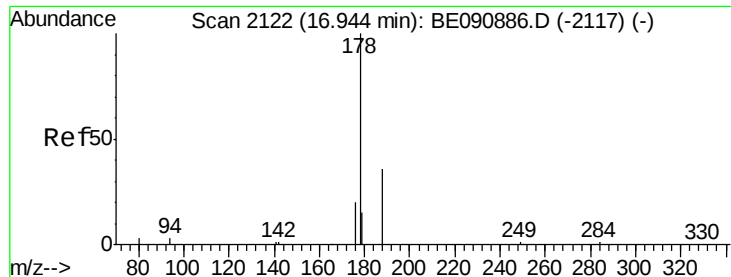


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.99 ng

RT: 16.94 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC001

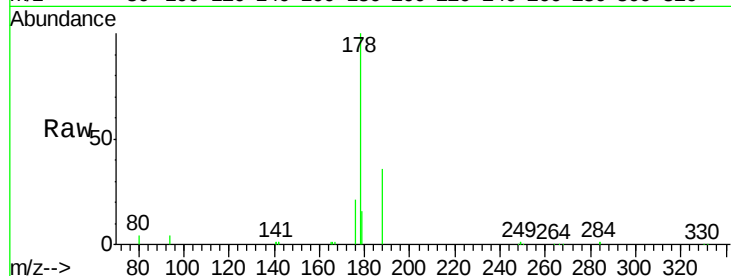
Tgt Ion:178 Resp: 32932

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

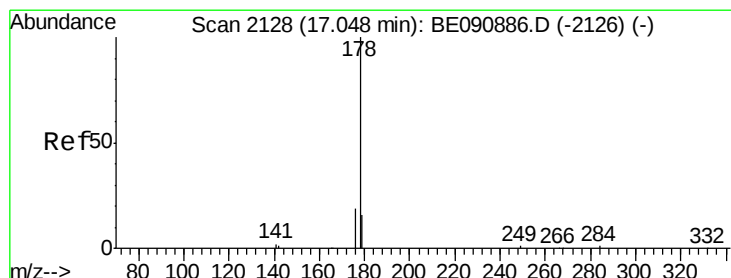
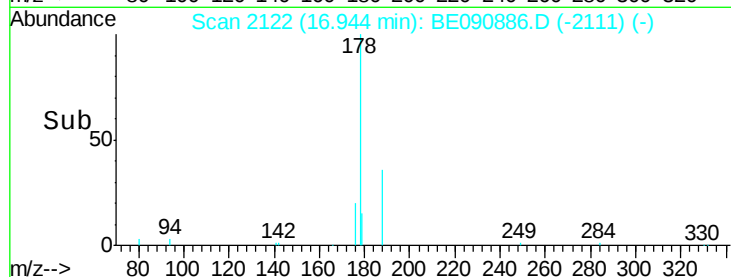
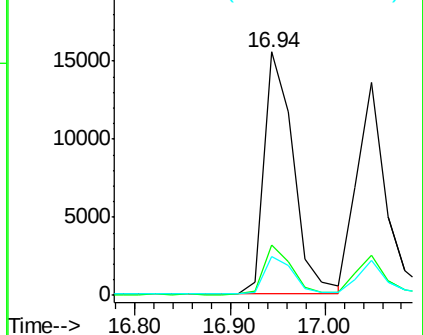
179 15.8 12.8 19.2



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: 1.04 ng

RT: 17.05 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

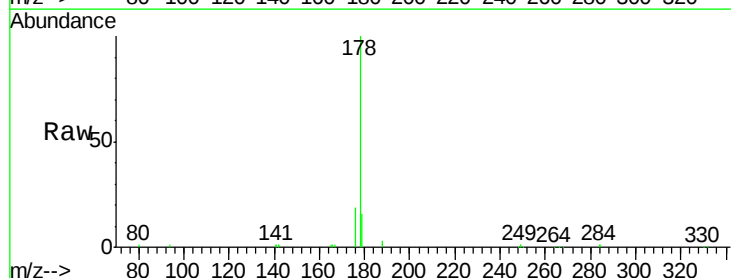
Tgt Ion:178 Resp: 28889

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

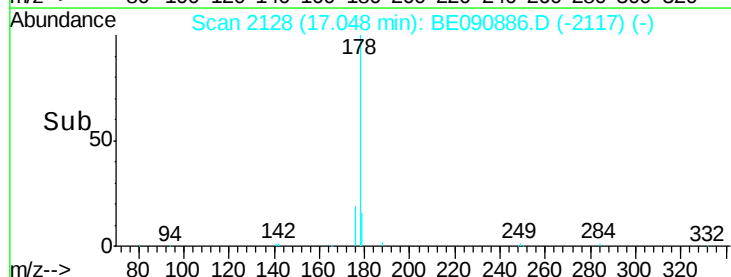
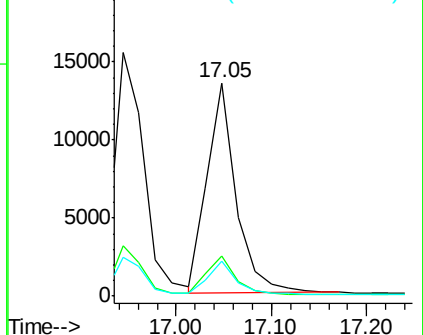
179 15.3 12.3 18.5

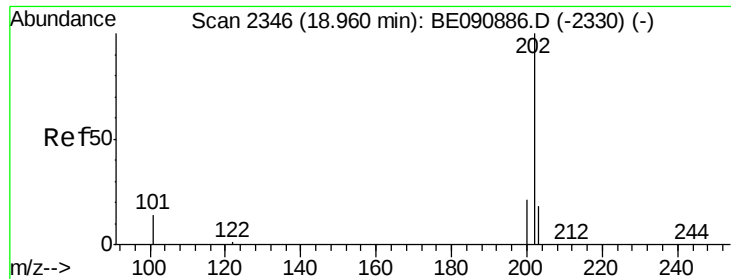


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

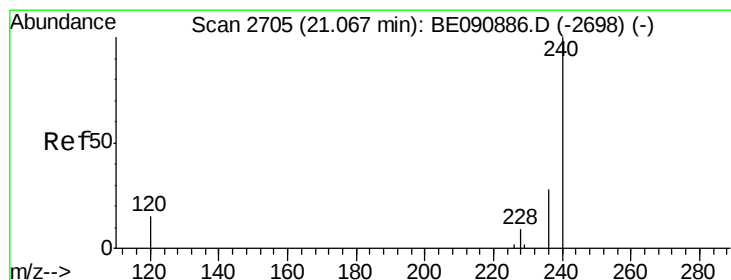
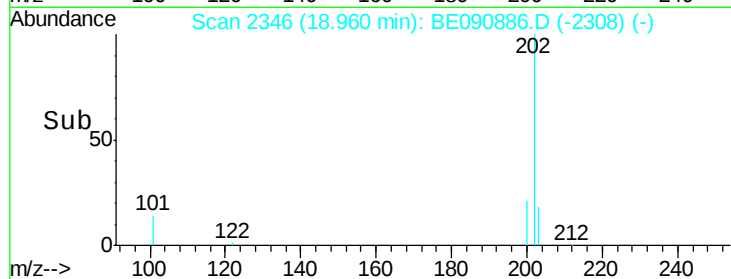
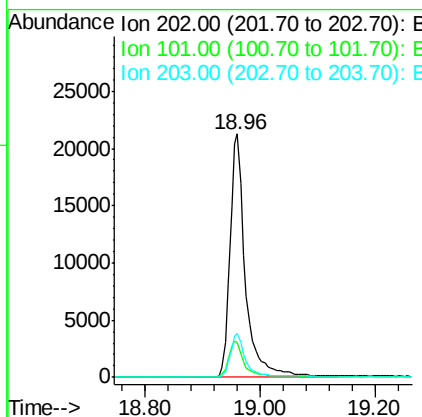
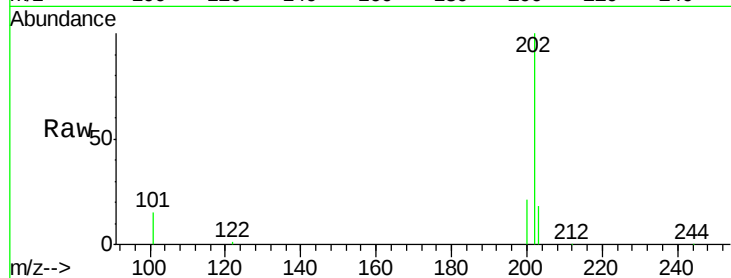




#25  
 Fluoranthene  
 Concen: 1.13 ng  
 RT: 18.96 min Scan# 2346  
 Delta R.T. 0.00 min  
 Lab File: BE090886.D  
 Acq: 18 Sep 2015 15:17

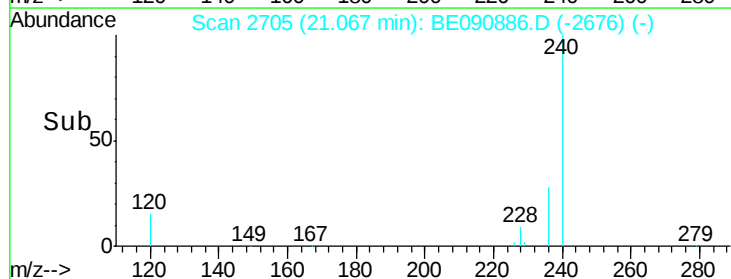
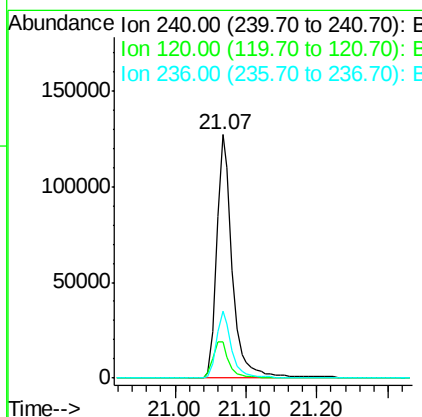
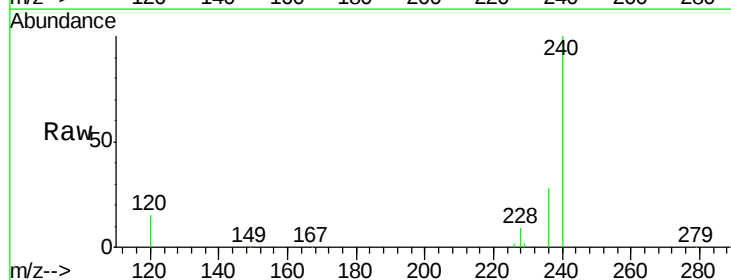
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC001

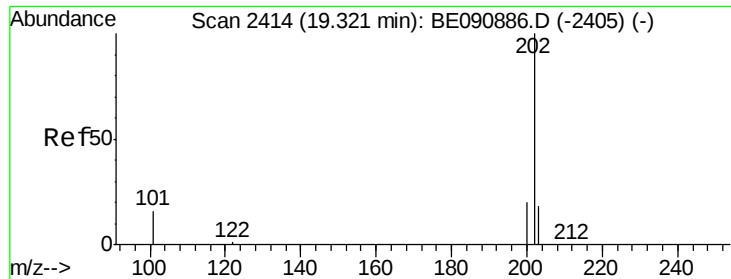
Tgt Ion:202 Resp: 39495  
 Ion Ratio Lower Upper  
 202 100  
 101 14.3 11.0 16.6  
 203 17.2 13.9 20.9



#26  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.07 min Scan# 2705  
 Delta R.T. 0.00 min  
 Lab File: BE090886.D  
 Acq: 18 Sep 2015 15:17

Tgt Ion:240 Resp: 195454  
 Ion Ratio Lower Upper  
 240 100  
 120 14.8 10.1 15.1  
 236 27.6 21.9 32.9

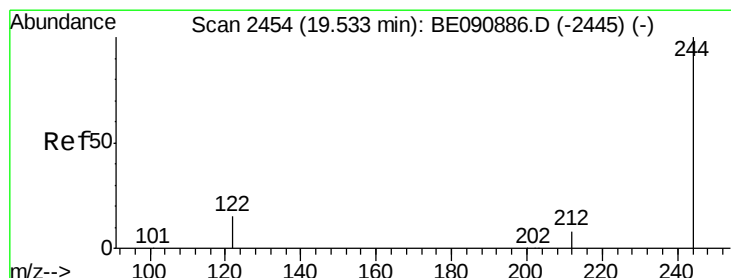
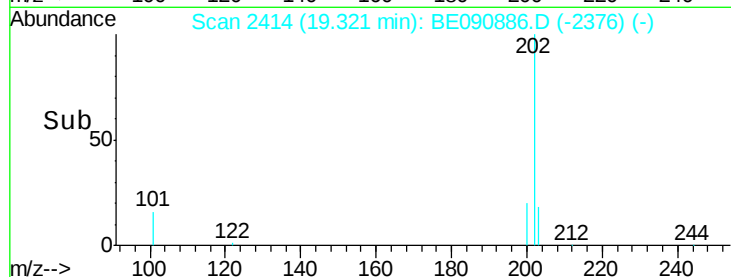
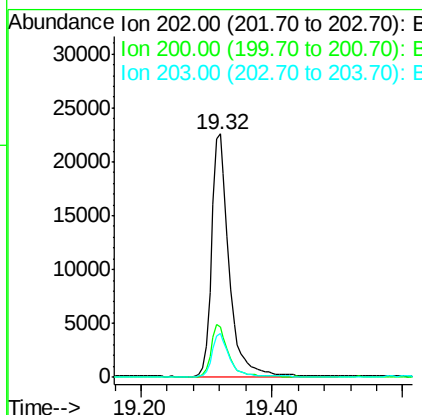
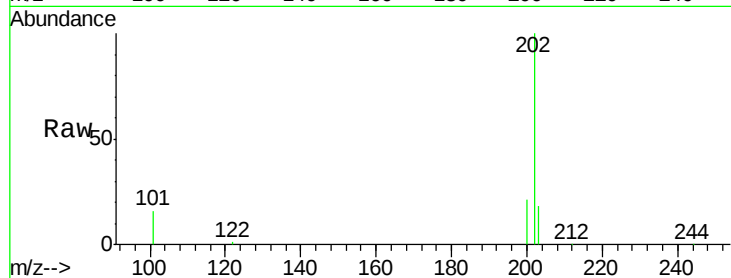




#27  
 Pyrene  
 Concen: 1.01 ng  
 RT: 19.32 min Scan# 2414  
 Delta R.T. 0.00 min  
 Lab File: BE090886.D  
 Acq: 18 Sep 2015 15:17

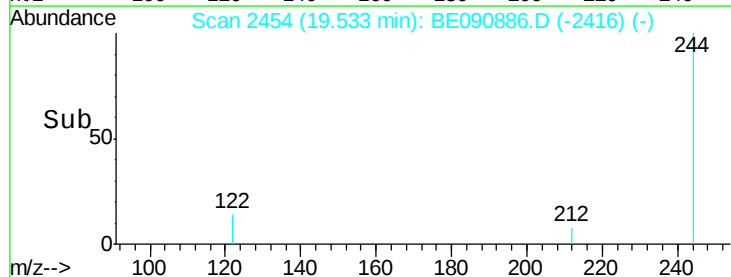
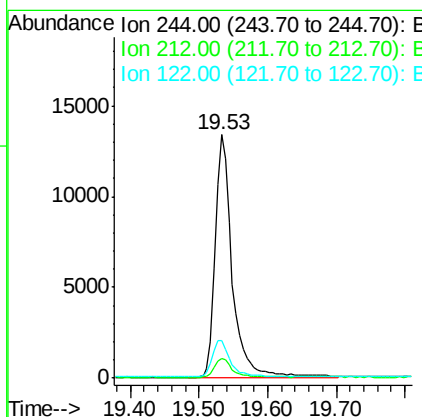
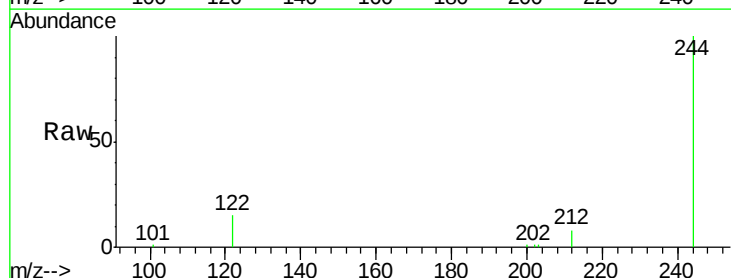
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC001

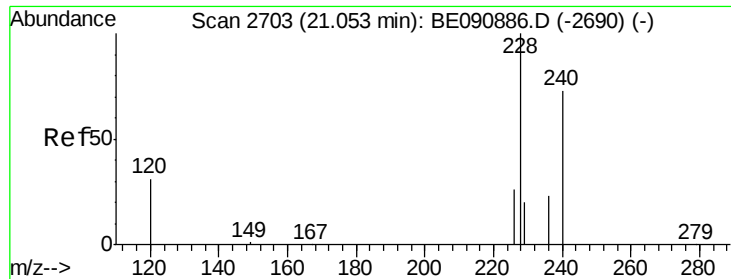
Tgt Ion: 202 Resp: 41630  
 Ion Ratio Lower Upper  
 202 100  
 200 20.8 16.7 25.1  
 203 17.4 13.8 20.6



#28  
 Terphenyl-d14  
 Concen: 1.00 ng  
 RT: 19.53 min Scan# 2454  
 Delta R.T. 0.00 min  
 Lab File: BE090886.D  
 Acq: 18 Sep 2015 15:17

Tgt Ion: 244 Resp: 22725  
 Ion Ratio Lower Upper  
 244 100  
 212 8.3 6.9 10.3  
 122 15.5 12.9 19.3

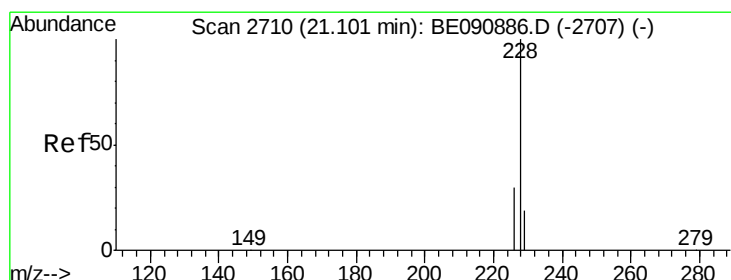
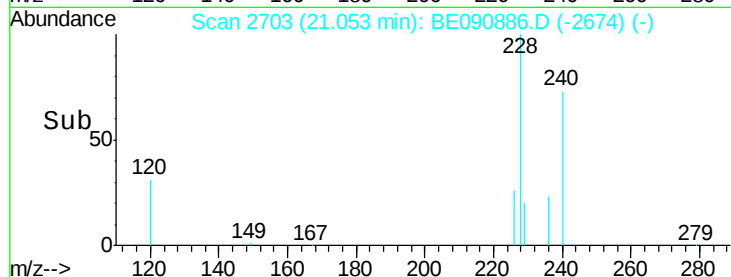
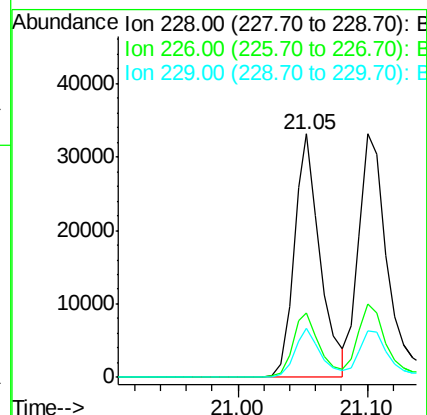
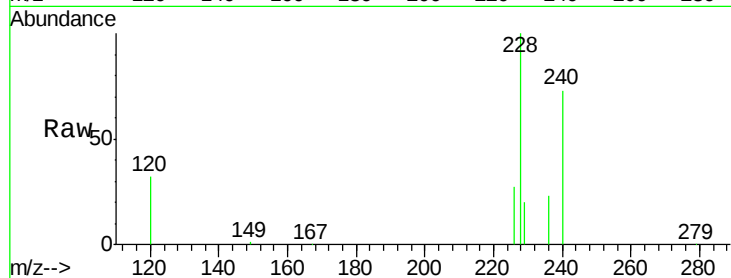




#29  
Benzo(a)anthracene  
Concen: 1.00 ng  
RT: 21.05 min Scan# 2703  
Delta R.T. 0.00 min  
Lab File: BE090886.D  
Acq: 18 Sep 2015 15:17

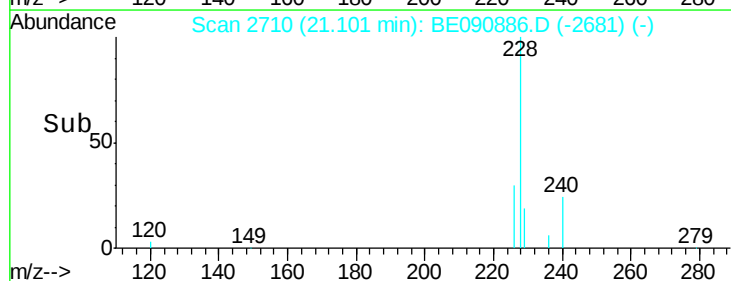
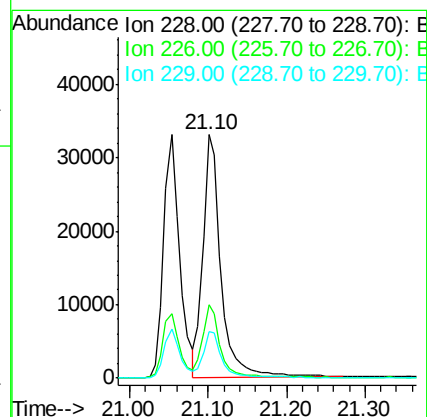
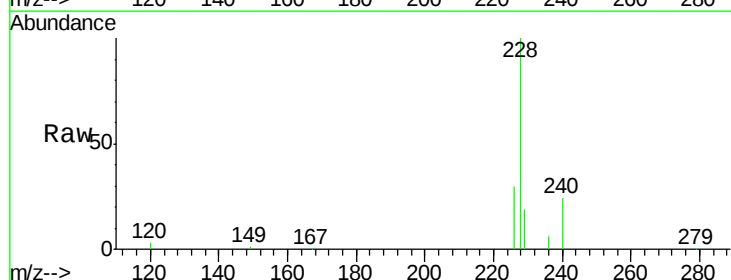
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC001

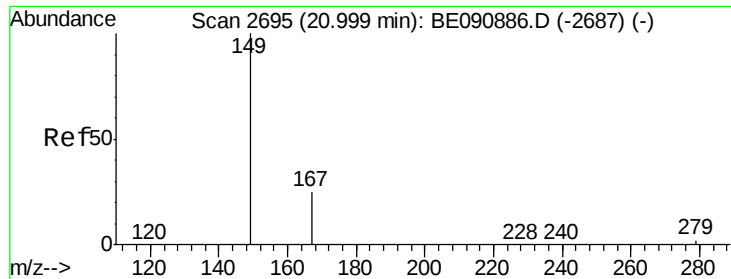
Tgt Ion:228 Resp: 46006  
Ion Ratio Lower Upper  
228 100  
226 26.6 21.6 32.4  
229 20.1 15.9 23.9



#30  
Chrysene  
Concen: 1.03 ng  
RT: 21.10 min Scan# 2710  
Delta R.T. 0.00 min  
Lab File: BE090886.D  
Acq: 18 Sep 2015 15:17

Tgt Ion:228 Resp: 52456  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.2 36.4  
229 19.1 15.3 22.9

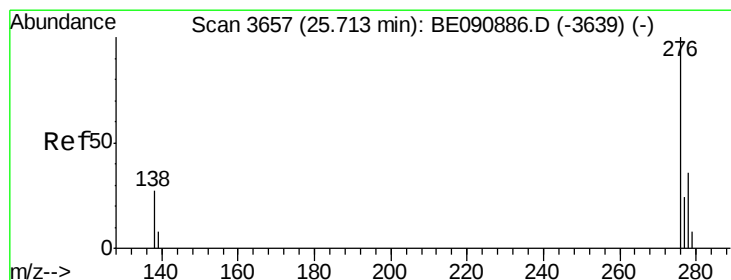
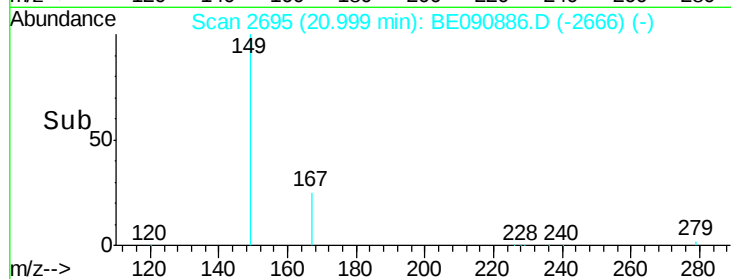
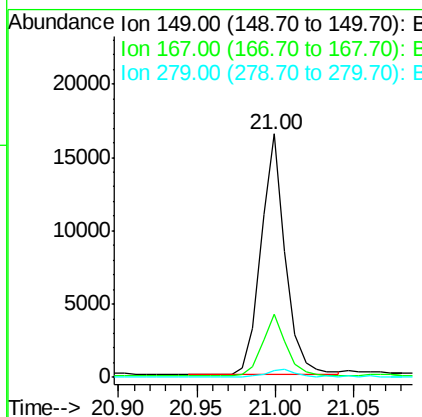
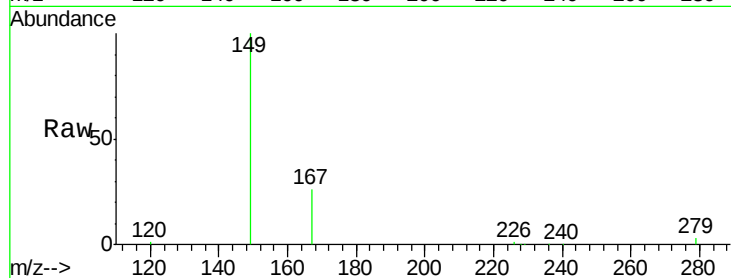




#31  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.21 ng  
 RT: 21.00 min Scan# 2695  
 Delta R.T. 0.00 min  
 Lab File: BE090886.D  
 Acq: 18 Sep 2015 15:17

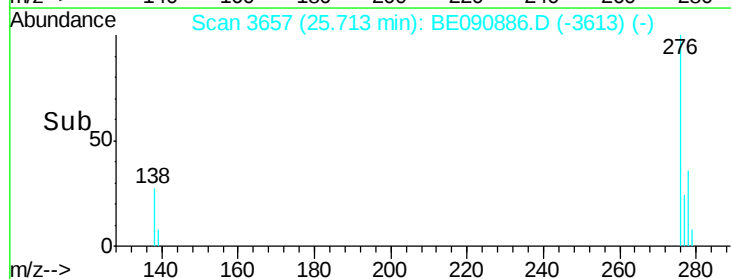
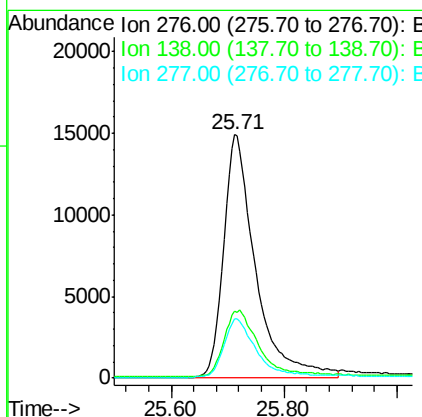
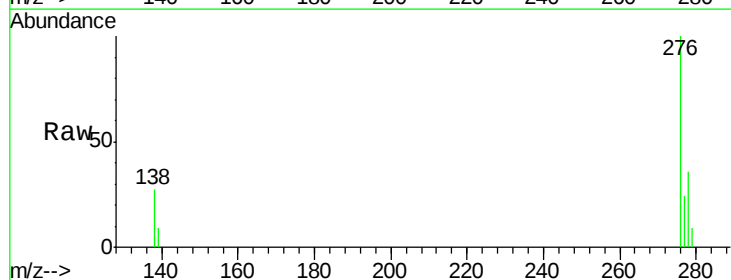
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC001

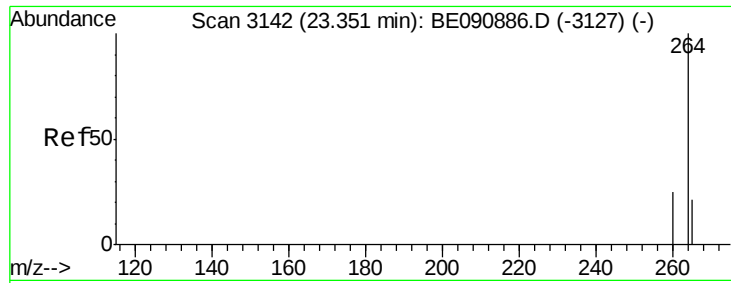
Tgt Ion:149 Resp: 17664  
 Ion Ratio Lower Upper  
 149 100  
 167 25.6 20.1 30.1  
 279 3.1 2.3 3.5



#32  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.19 ng  
 RT: 25.71 min Scan# 3657  
 Delta R.T. 0.00 min  
 Lab File: BE090886.D  
 Acq: 18 Sep 2015 15:17

Tgt Ion:276 Resp: 57223  
 Ion Ratio Lower Upper  
 276 100  
 138 29.5 23.3 34.9  
 277 24.3 19.8 29.6

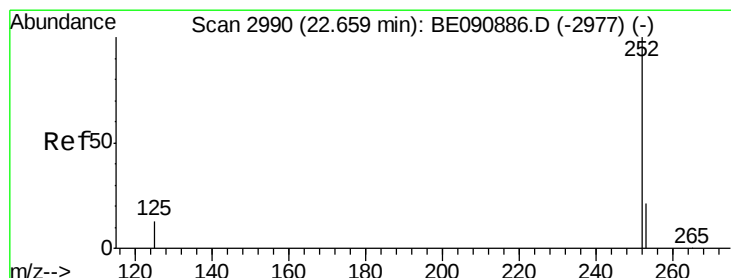
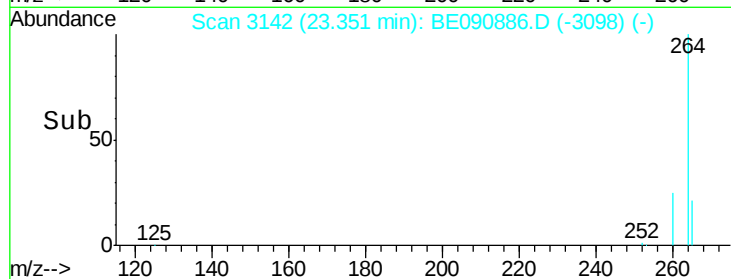
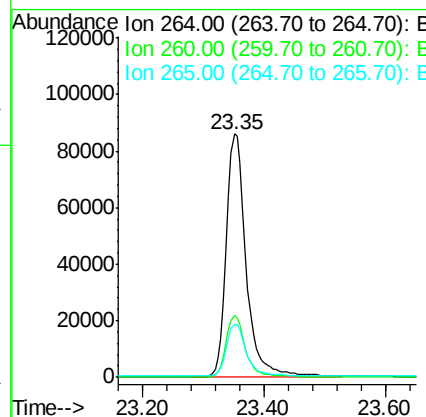
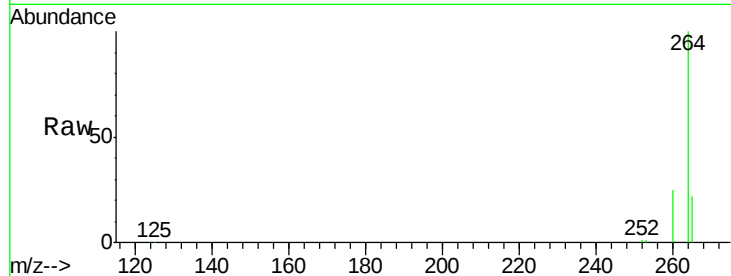




#33  
**Perylene-d12**  
 Concen: 5.00 ng  
 RT: 23.35 min Scan# 3142  
 Delta R.T. 0.00 min  
 Lab File: BE090886.D  
 Acq: 18 Sep 2015 15:17

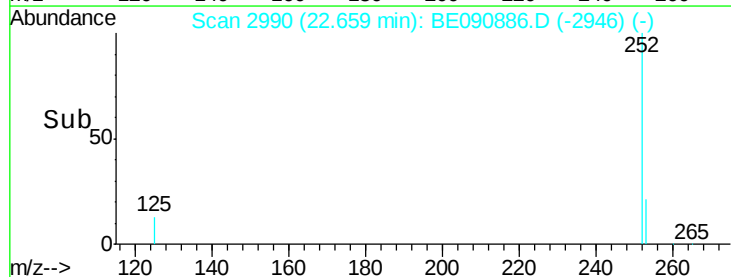
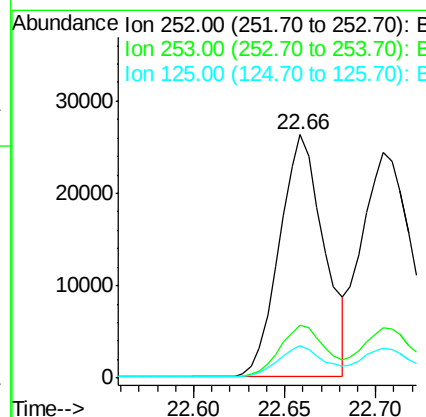
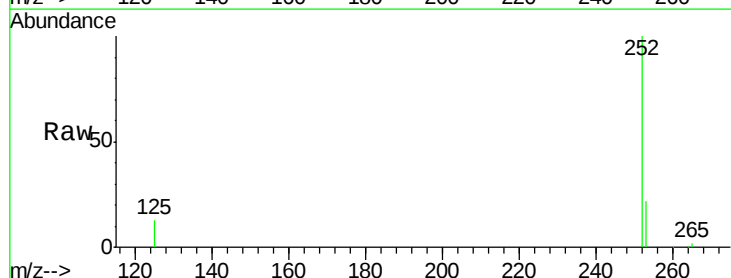
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC001

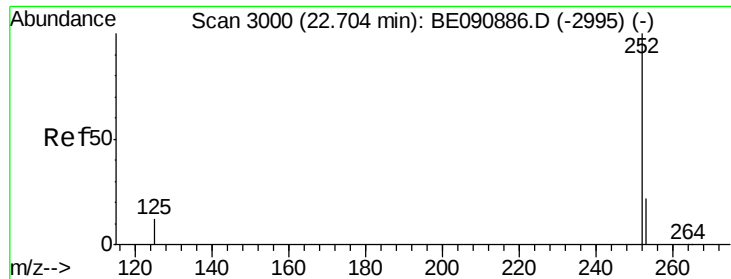
Tgt Ion: 264 Resp: 197590  
 Ion Ratio Lower Upper  
 264 100  
 260 25.4 19.7 29.5  
 265 21.8 17.5 26.3



#34  
**Benzo(b)fluoranthene**  
 Concen: 1.02 ng  
 RT: 22.66 min Scan# 2990  
 Delta R.T. 0.00 min  
 Lab File: BE090886.D  
 Acq: 18 Sep 2015 15:17

Tgt Ion: 252 Resp: 44794  
 Ion Ratio Lower Upper  
 252 100  
 253 21.8 17.9 26.9  
 125 13.3 10.6 16.0





#35

Benzo(k)fluoranthene

Concen: 1.03 ng

RT: 22.70 min Scan# 3000

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC001

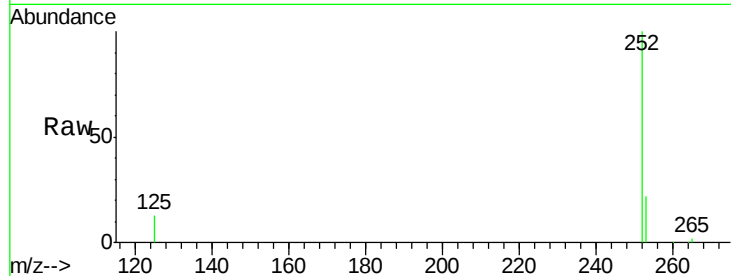
Tgt Ion:252 Resp: 52894

Ion Ratio Lower Upper

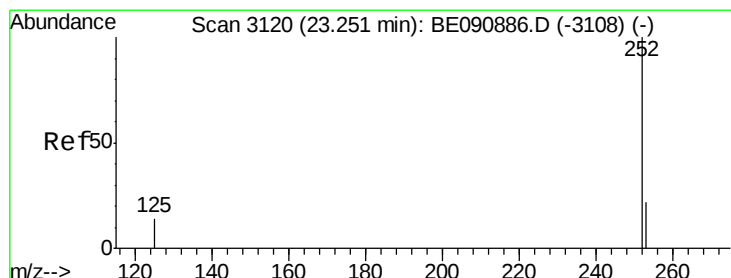
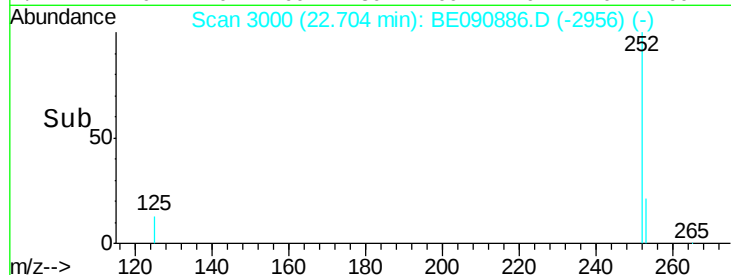
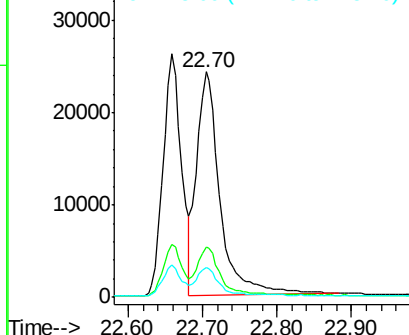
252 100

253 22.1 17.9 26.9

125 13.3 10.1 15.1



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(a)pyrene

Concen: 1.08 ng

RT: 23.25 min Scan# 3120

Delta R.T. 0.00 min

Lab File: BE090886.D

Acq: 18 Sep 2015 15:17

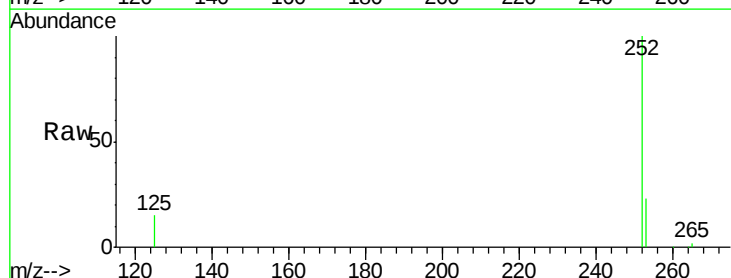
Tgt Ion:252 Resp: 42351

Ion Ratio Lower Upper

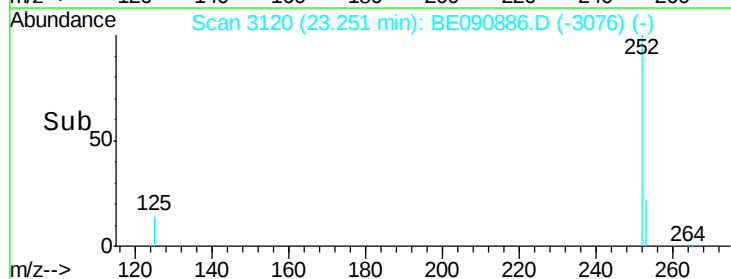
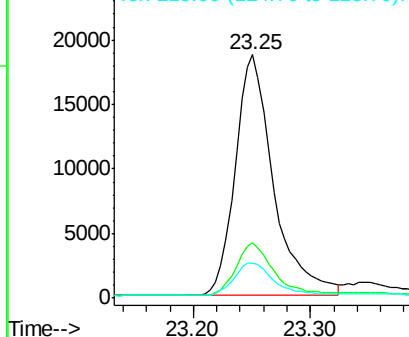
252 100

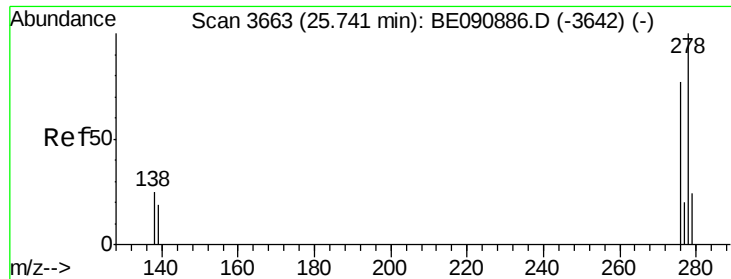
253 22.6 17.2 25.8

125 14.6 18.0 27.0#



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



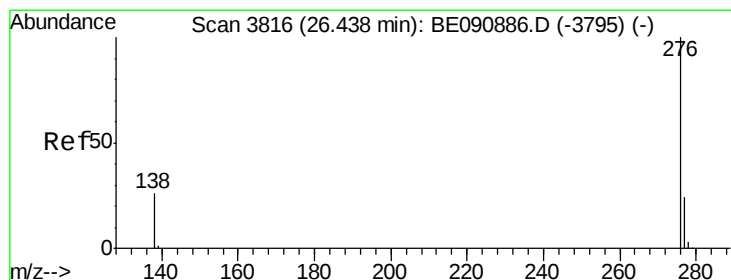
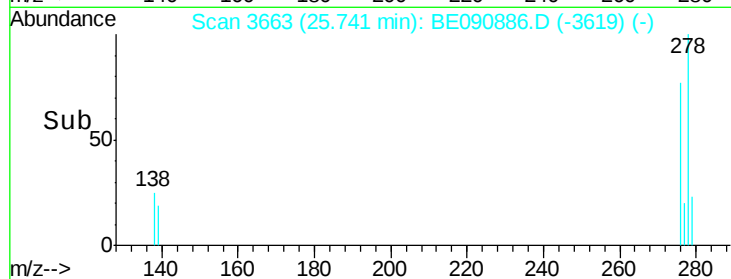
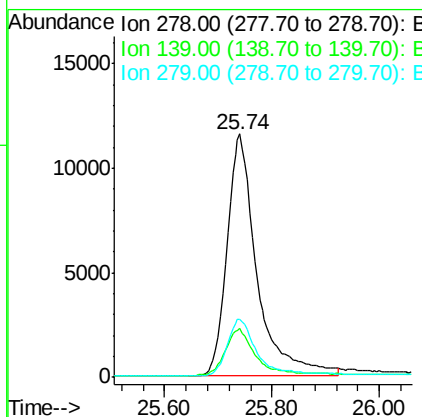
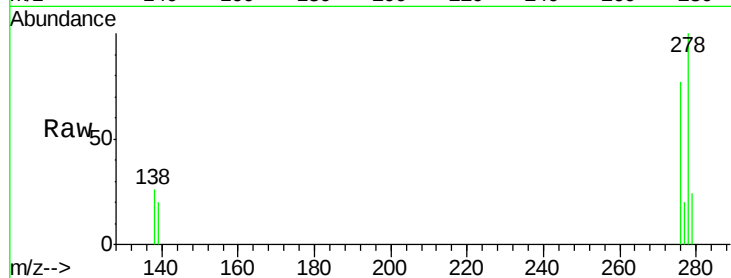


#37  
Dibenzo(a,h)anthracene  
Concen: 1.08 ng  
RT: 25.74 min Scan# 3663  
Delta R.T. 0.00 min  
Lab File: BE090886.D  
Acq: 18 Sep 2015 15:17

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC001

Tgt Ion: 278 Resp: 45247  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 20.0  | 15.4  | 23.0  |
| 279 | 24.1  | 18.8  | 28.2  |



#38  
Benzo(g,h,i)perylene  
Concen: 1.07 ng  
RT: 26.44 min Scan# 3816  
Delta R.T. 0.00 min  
Lab File: BE090886.D  
Acq: 18 Sep 2015 15:17

Tgt Ion: 276 Resp: 48369  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 24.2  | 18.5  | 27.7  |
| 138 | 27.0  | 20.1  | 30.1  |

