

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN032319\  
 Data File : BN004933.D  
 Acq On : 23 Mar 2019 22:36  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Mar 24 01:03:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 20 16:06:20 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 1244     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.48 | 136  | 5369     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.33 | 164  | 2997     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.08 | 188  | 7021     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.28 | 240  | 10679    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.53 | 264  | 14519    | 0.40 | ng    | -0.02    |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.28  | 112 | 1662 | 0.49 | ng | 0.00  |
| 5) Phenol-d6                | 6.87  | 99  | 2122 | 0.50 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.84  | 82  | 1723 | 0.49 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.07 | 152 | 3708 | 0.40 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.84 | 330 | 893  | 0.43 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.95 | 172 | 5663 | 0.46 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.12 | 212 | 9993 | 0.43 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.72 | 244 | 8891 | 0.41 | ng | -0.01 |

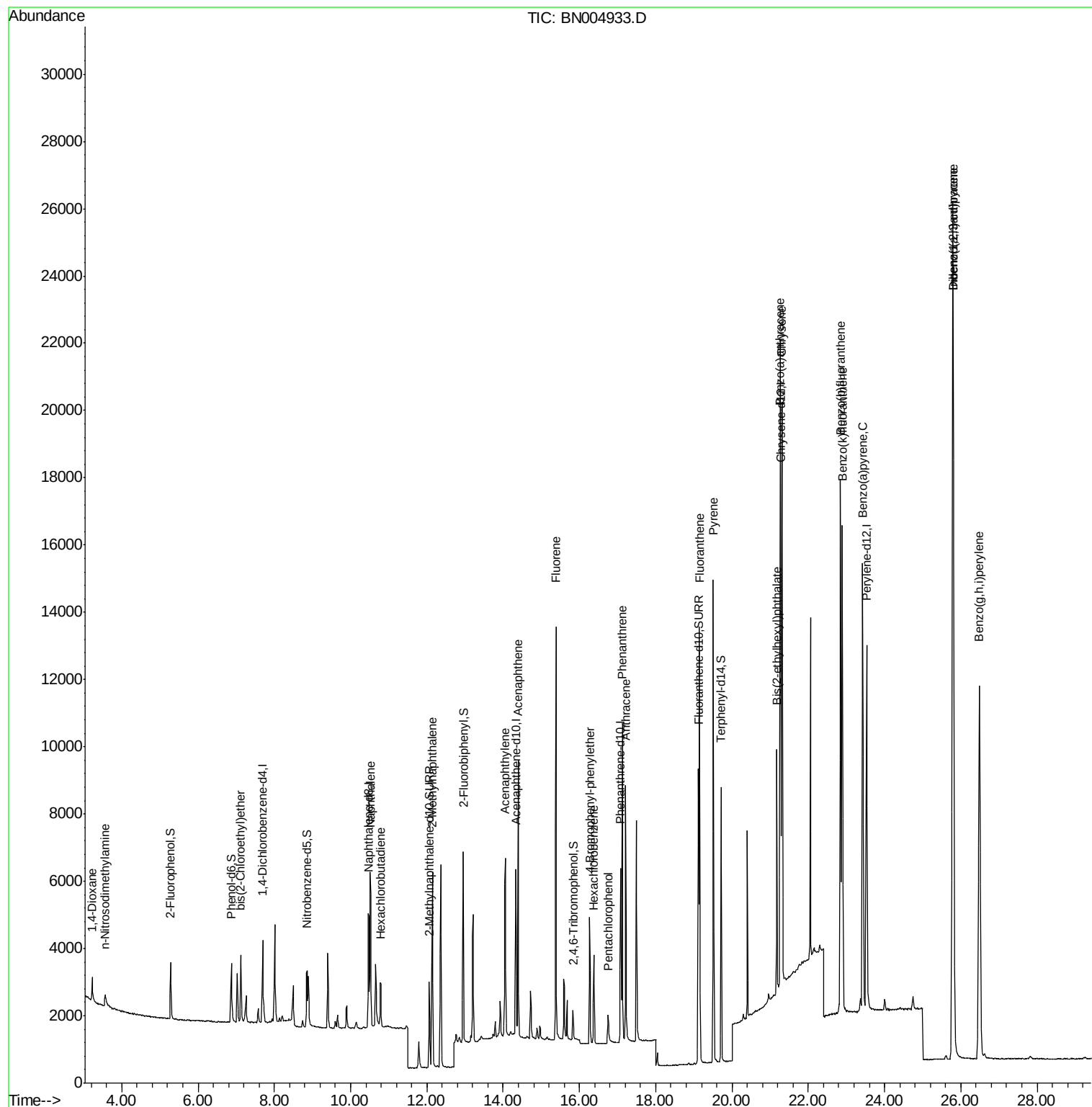
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.22  | 88  | 622   | 0.440  | ng | 98    |
| 3) n-Nitrosodimethylamine      | 3.57  | 42  | 379   | 0.453  | ng | # 97  |
| 6) bis(2-Chloroethyl)ether     | 7.12  | 93  | 1748  | 0.460  | ng | 99    |
| 9) Naphthalene                 | 10.52 | 128 | 6546  | 0.435  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.80 | 225 | 1177  | 0.410  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 12.14 | 142 | 4499  | 0.402  | ng | 98    |
| 16) Acenaphthylene             | 14.05 | 152 | 6608  | 0.428  | ng | 100   |
| 17) Acenaphthene               | 14.39 | 154 | 4281  | 0.423  | ng | 99    |
| 18) Fluorene                   | 15.38 | 166 | 5579  | 0.395  | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.27 | 248 | 1863  | 0.406  | ng | 100   |
| 21) Hexachlorobenzene          | 16.38 | 284 | 2063  | 0.393  | ng | 94    |
| 22) Pentachlorophenol          | 16.75 | 266 | 563   | 0.548  | ng | 98    |
| 23) Phenanthrene               | 17.12 | 178 | 9480  | 0.418  | ng | 100   |
| 24) Anthracene                 | 17.22 | 178 | 8525  | 0.421  | ng | 100   |
| 26) Fluoranthene               | 19.15 | 202 | 12273 | 0.421  | ng | 99    |
| 28) Pyrene                     | 19.51 | 202 | 12879 | 0.396  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.26 | 228 | 14814 | 0.423  | ng | 97    |
| 31) Chrysene                   | 21.31 | 228 | 15279 | 0.414  | ng | 98    |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 6131  | 0.438  | ng | 98    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.79 | 276 | 28284 | 0.530  | ng | 98    |
| 35) Benzo(b)fluoranthene       | 22.85 | 252 | 19597 | 0.373  | ng | # 96  |
| 36) Benzo(k)fluoranthene       | 22.89 | 252 | 18834 | 0.364  | ng | # 96  |
| 37) Benzo(a)pyrene             | 23.43 | 252 | 19164 | 0.398  | ng | # 96  |
| 38) Dibenzo(a,h)anthracene     | 25.80 | 278 | 23033 | 0.413  | ng | 97    |
| 39) Benzo(g,h,i)perylene       | 26.49 | 276 | 23846 | 0.419  | ng | 97    |

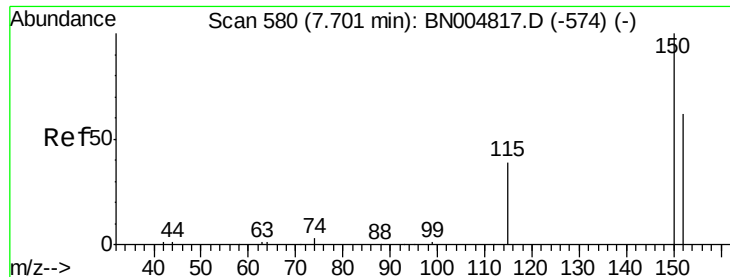
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 20 16:06:20 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 579

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

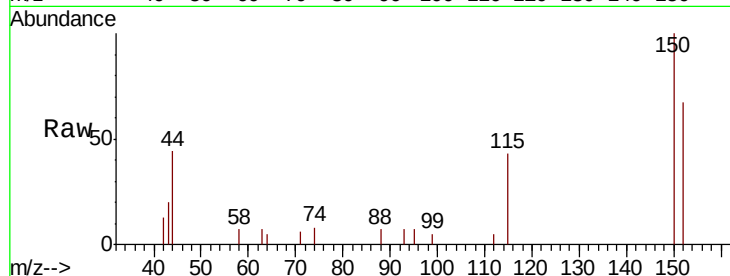
Tgt Ion:152 Resp: 1244

Ion Ratio Lower Upper

152 100

150 150.2 126.2 189.4

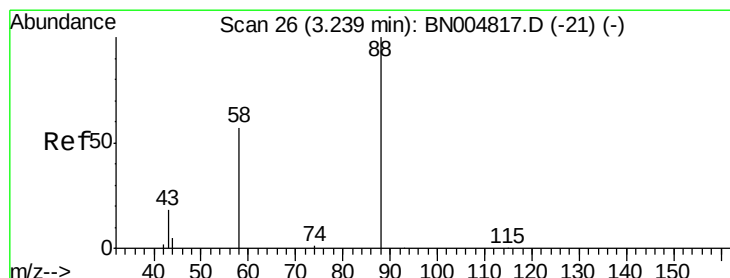
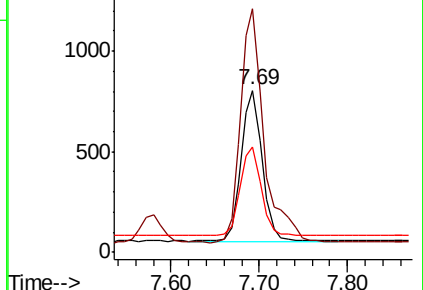
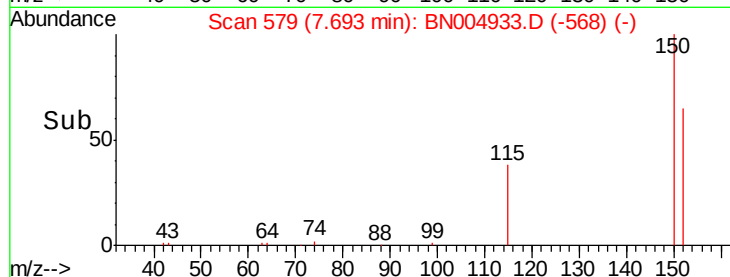
115 64.7 52.6 79.0



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: 0.440 ng

RT: 3.22 min Scan# 24

Delta R.T. -0.02 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

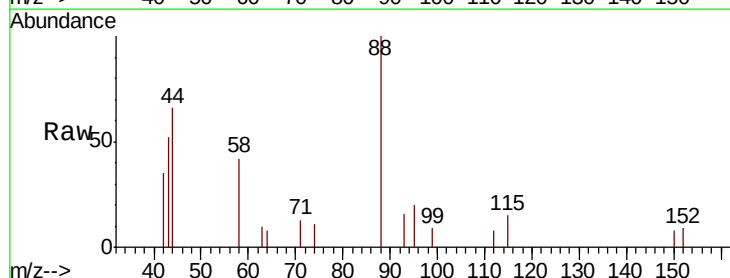
Tgt Ion: 88 Resp: 622

Ion Ratio Lower Upper

88 100

58 64.0 51.4 77.2

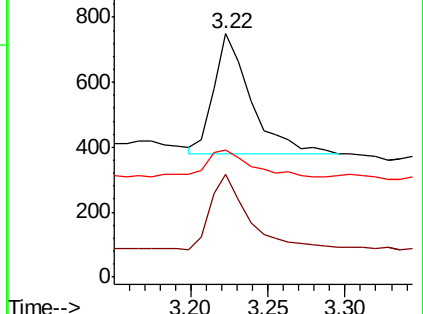
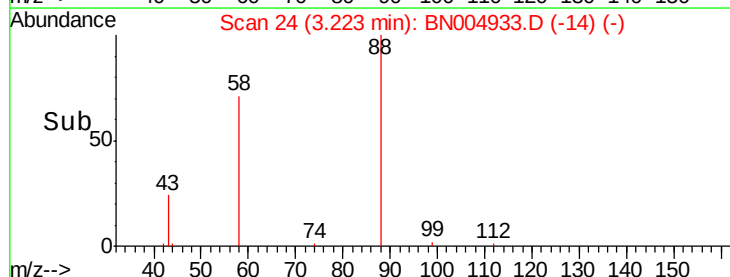
43 28.5 20.0 30.0

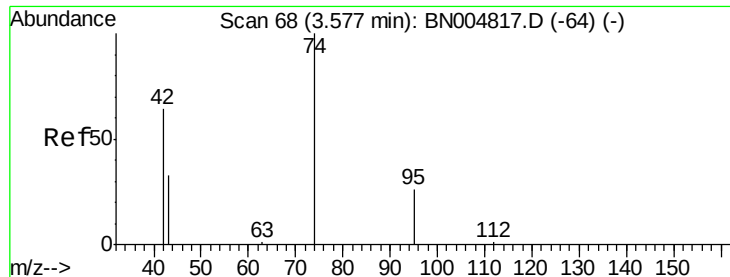


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.453 ng

RT: 3.57 min Scan# 67

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

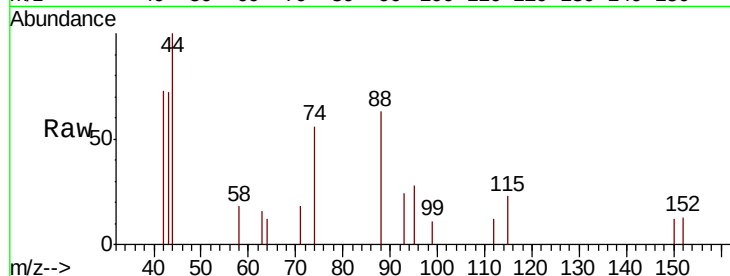
Tgt Ion: 42 Resp: 379

Ion Ratio Lower Upper

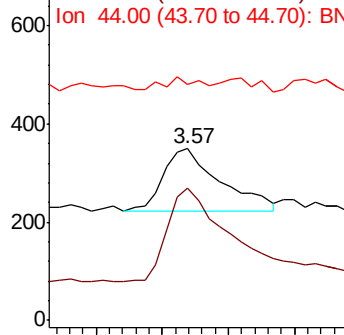
42 100

74 164.4 128.4 192.6

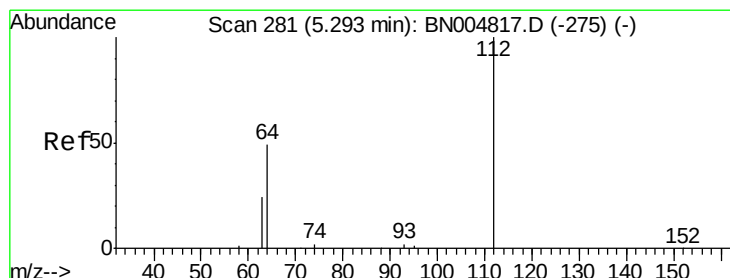
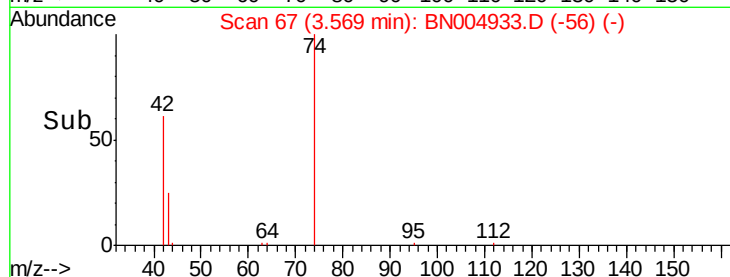
44 11.1 6.1 9.1#



Abundance Ion 42.00 (41.70 to 42.70): BN0  
Ion 74.00 (73.70 to 74.70): BN0  
Ion 44.00 (43.70 to 44.70): BN0



Time-->



#4

2-Fluorophenol

Concen: 0.492 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

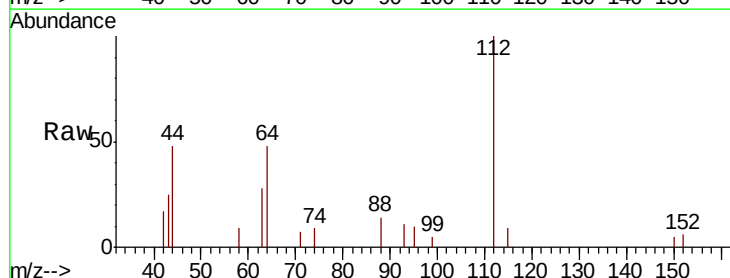
Tgt Ion: 112 Resp: 1662

Ion Ratio Lower Upper

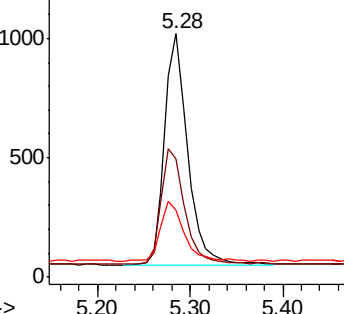
112 100

64 51.4 40.0 60.0

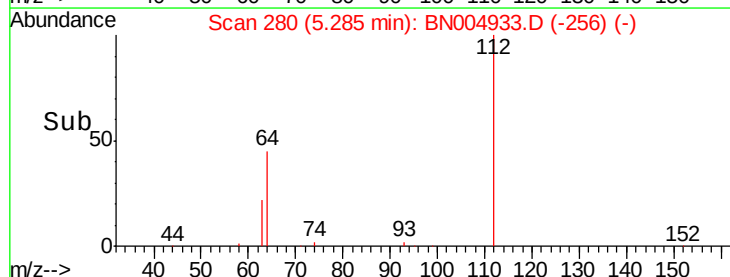
63 26.0 20.2 30.2

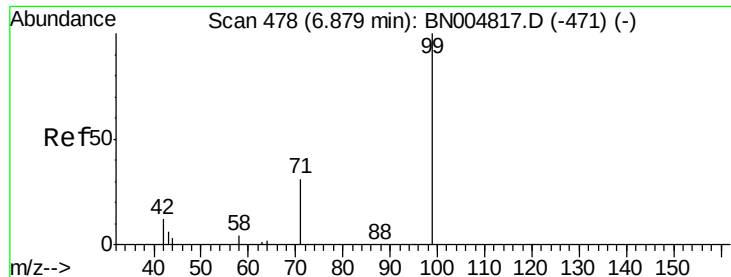


Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BN0  
Ion 63.00 (62.70 to 63.70): BN0



Time-->





#5

Phenol-d6

Concen: 0.504 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

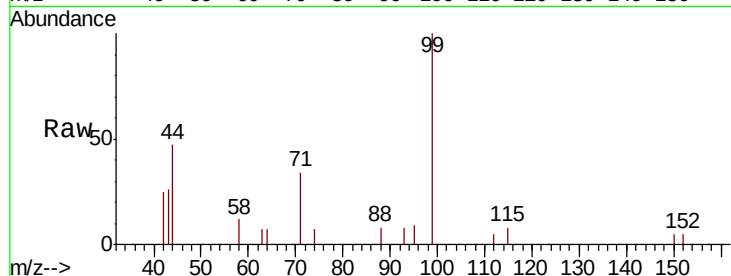
Tgt Ion: 99 Resp: 2122

Ion Ratio Lower Upper

99 100

42 16.3 12.7 19.1

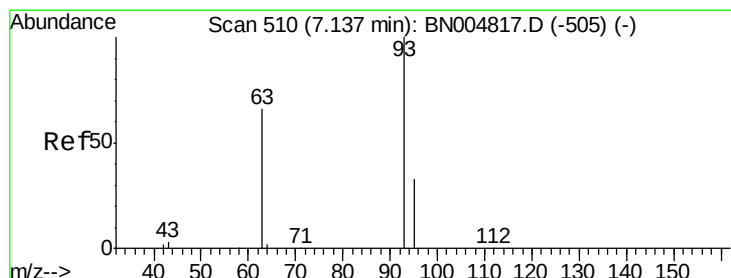
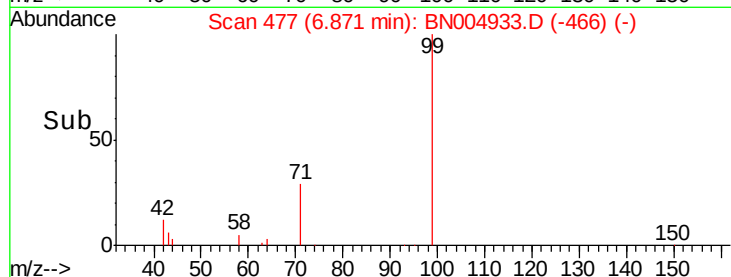
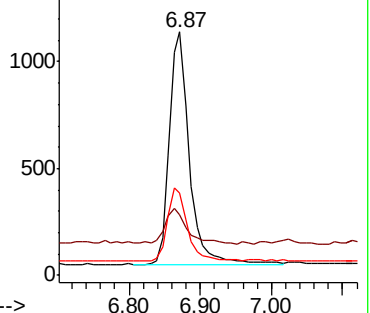
71 30.3 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BN004933.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004933.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004933.D (-471) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.460 ng

RT: 7.12 min Scan# 508

Delta R.T. -0.02 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

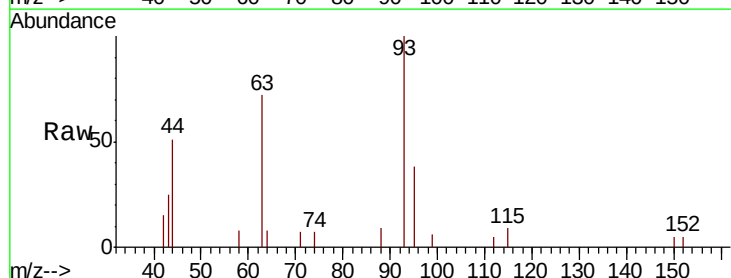
Tgt Ion: 93 Resp: 1748

Ion Ratio Lower Upper

93 100

63 65.1 52.6 78.8

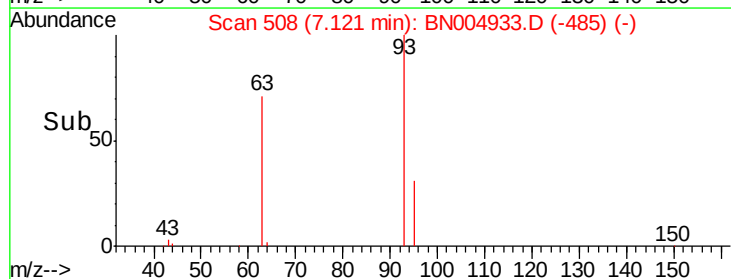
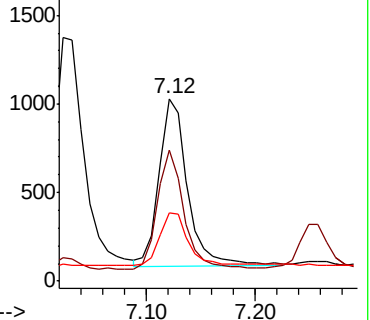
95 31.7 25.9 38.9

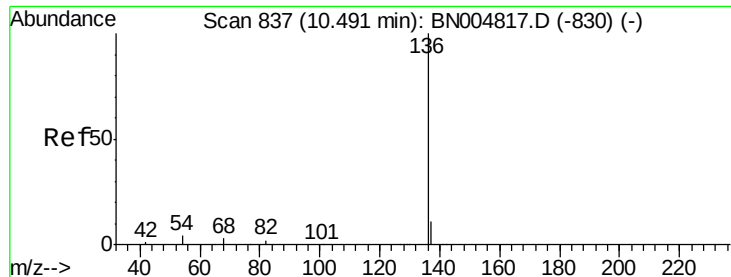


Abundance Ion 93.00 (92.70 to 93.70): BN004933.D (-505) (-)

Ion 63.00 (62.70 to 63.70): BN004933.D (-505) (-)

Ion 95.00 (94.70 to 95.70): BN004933.D (-505) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:136 Resp: 5369

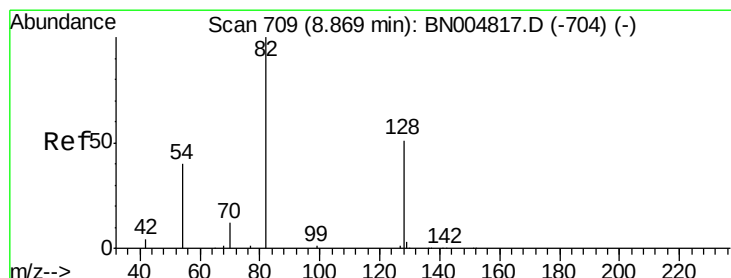
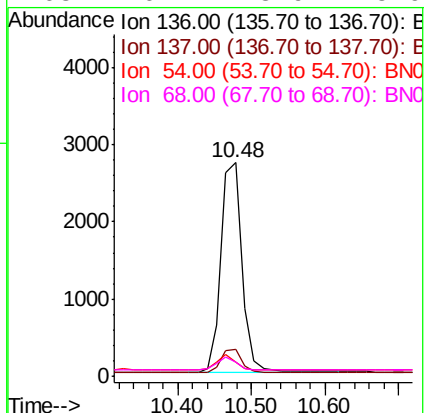
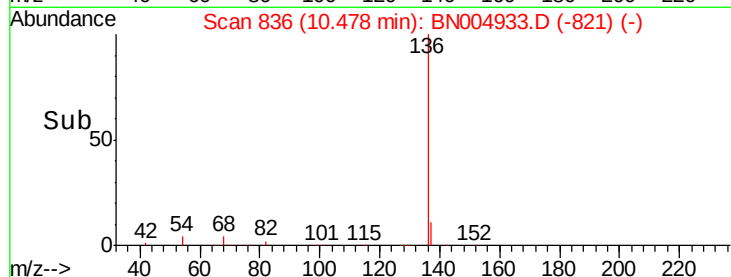
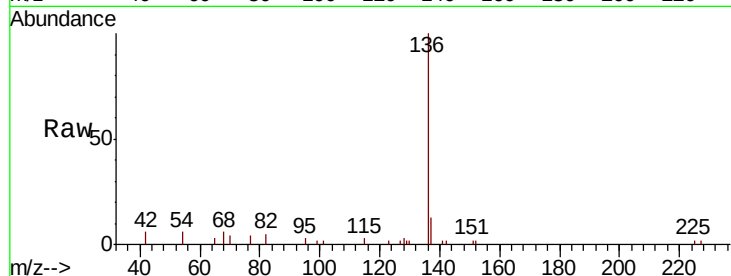
Ion Ratio Lower Upper

136 100

137 12.5 9.6 14.4

54 6.4 4.2 6.2#

68 6.4 3.9 5.9#



#8

Nitrobenzene-d5

Concen: 0.485 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

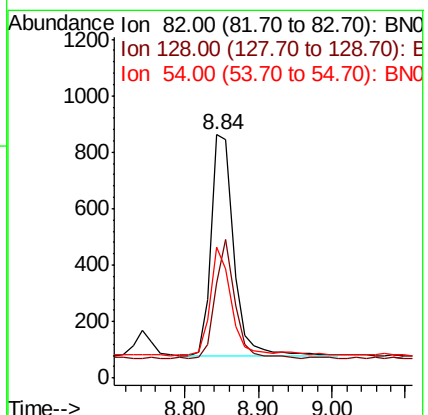
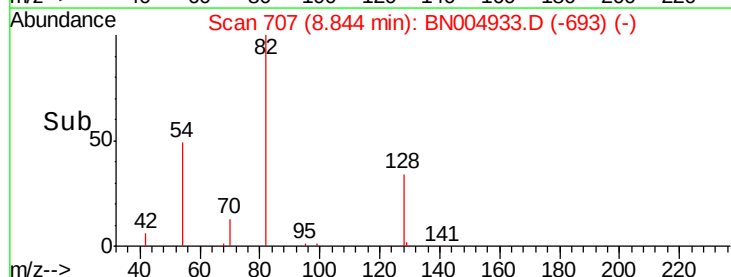
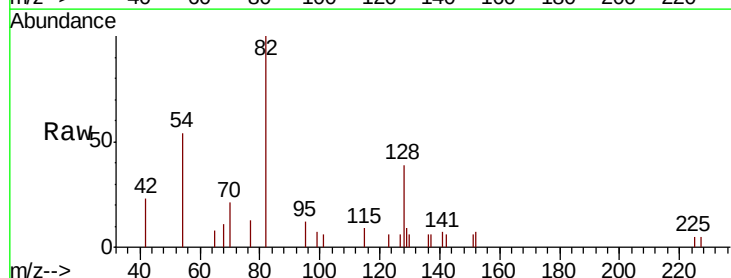
Tgt Ion: 82 Resp: 1723

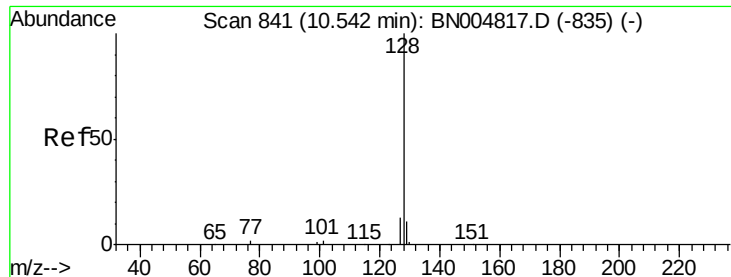
Ion Ratio Lower Upper

82 100

128 38.9 43.0 64.6#

54 53.8 35.3 52.9#





#9

Naphthalene

Concen: 0.435 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.03 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

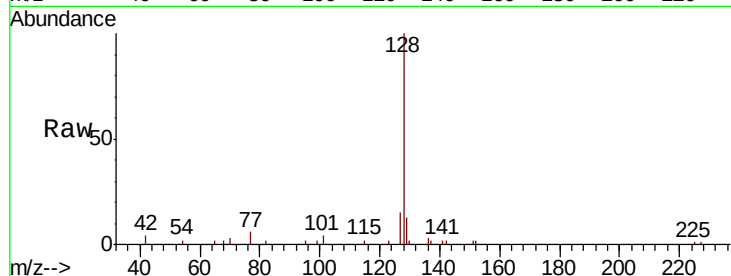
Tgt Ion:128 Resp: 6546

Ion Ratio Lower Upper

128 100

129 12.6 9.9 14.9

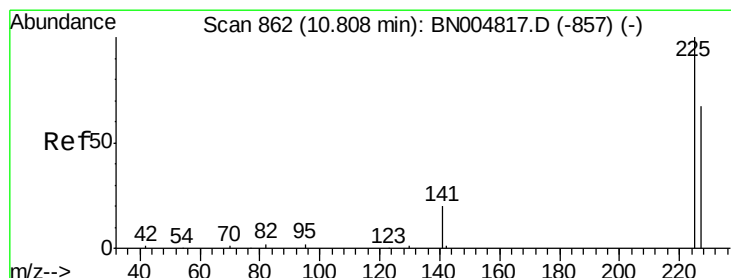
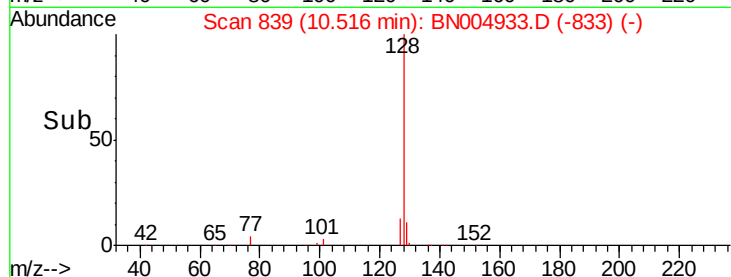
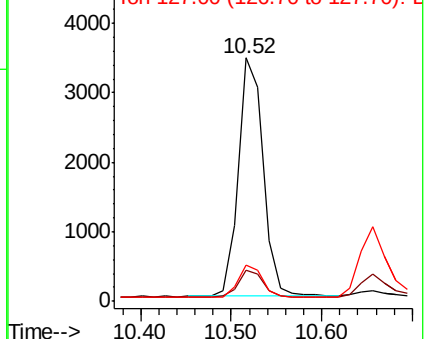
127 14.8 11.3 16.9



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: 0.410 ng

RT: 10.80 min Scan# 861

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

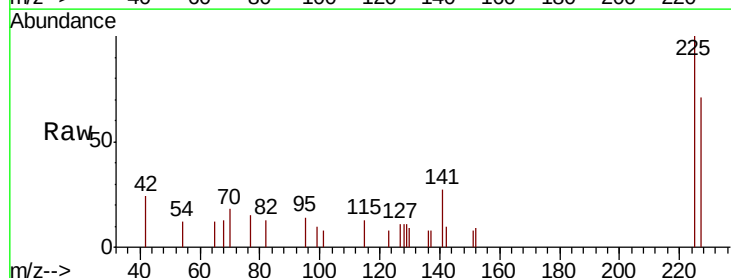
Tgt Ion:225 Resp: 1177

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

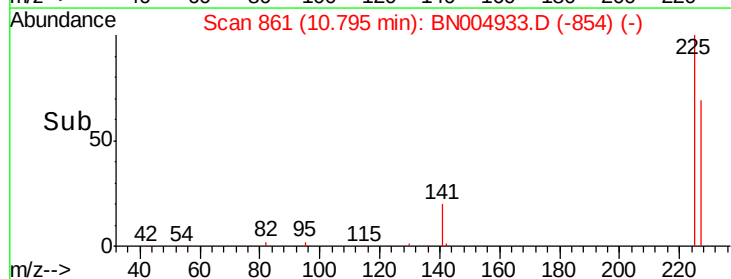
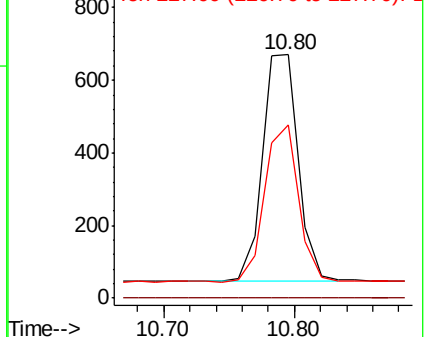
227 65.3 52.2 78.4

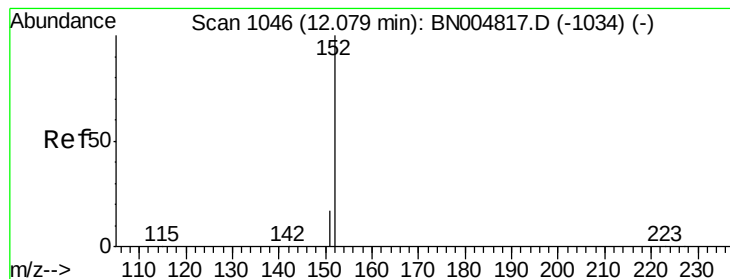


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

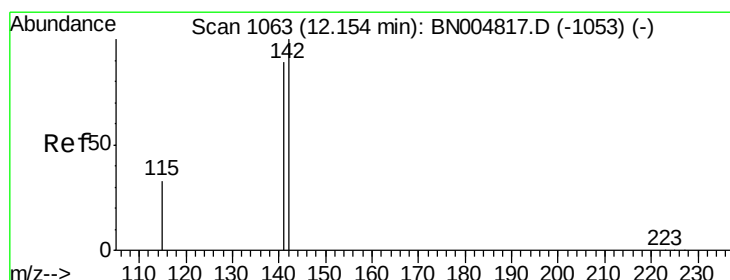
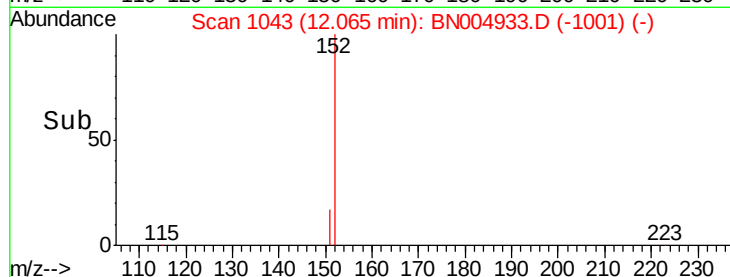
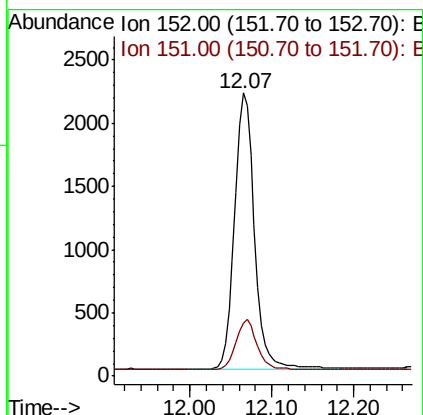
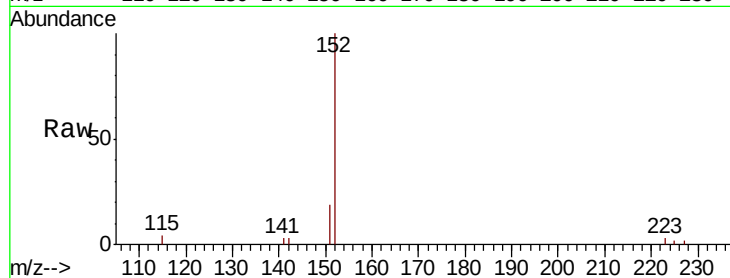




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.396 ng  
 RT: 12.07 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: BN004933.D  
 Acq: 23 Mar 2019 22:36

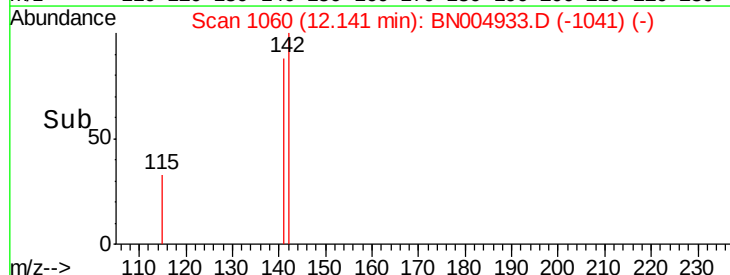
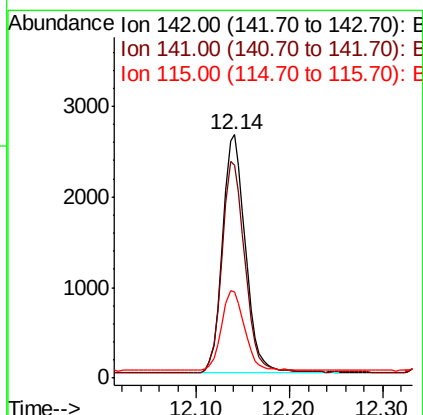
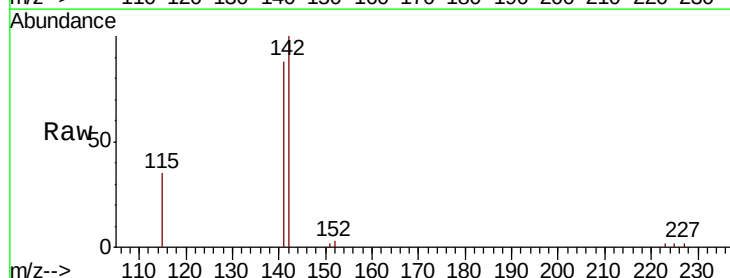
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4EC

Tgt Ion:152 Resp: 3708  
 Ion Ratio Lower Upper  
 152 100  
 151 19.1 15.5 23.3

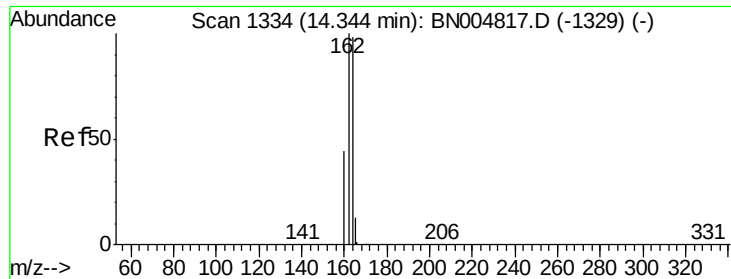


#12  
 2-Methylnaphthalene  
 Concen: 0.402 ng  
 RT: 12.14 min Scan# 1060  
 Delta R.T. -0.01 min  
 Lab File: BN004933.D  
 Acq: 23 Mar 2019 22:36

Tgt Ion:142 Resp: 4499  
 Ion Ratio Lower Upper  
 142 100  
 141 87.6 71.4 107.2  
 115 35.5 27.5 41.3







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

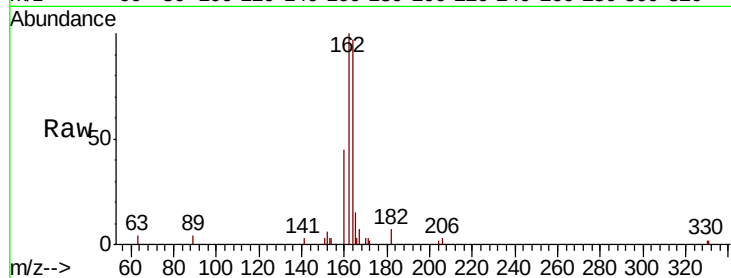
Tgt Ion:164 Resp: 2997

Ion Ratio Lower Upper

164 100

162 103.1 81.9 122.9

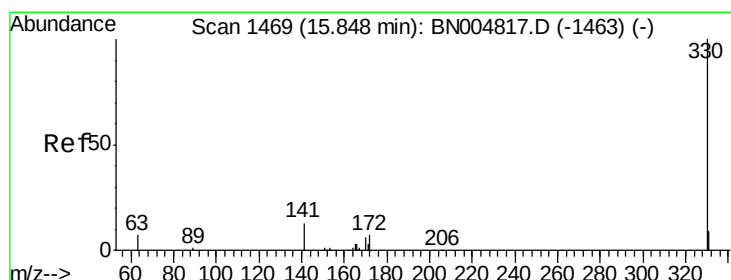
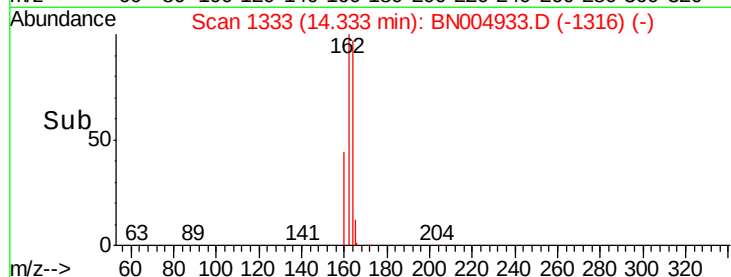
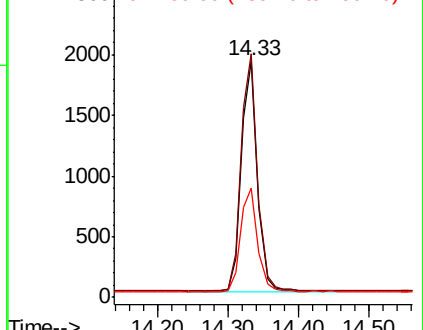
160 46.4 36.6 54.8



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: 0.431 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

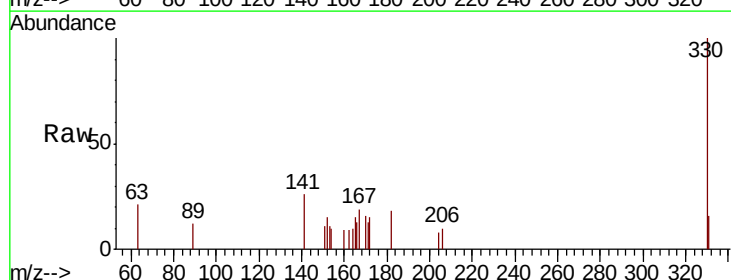
Tgt Ion:330 Resp: 893

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

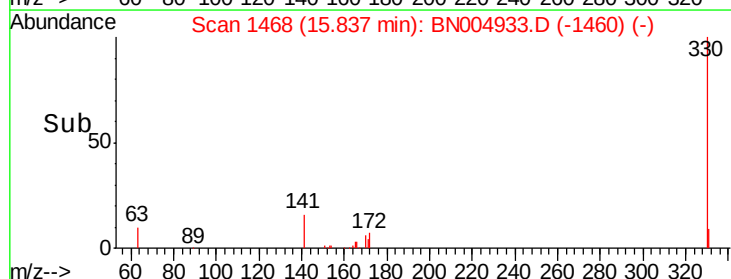
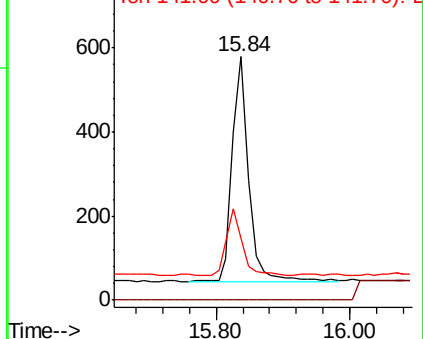
141 28.0 20.9 31.3

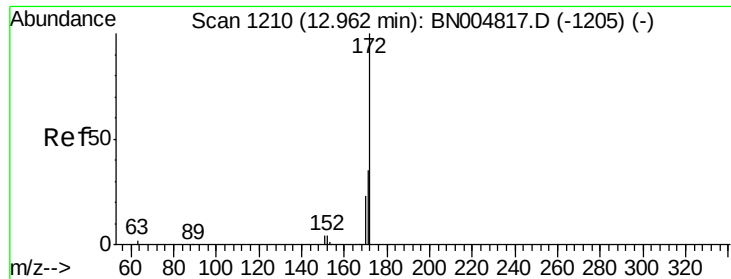


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

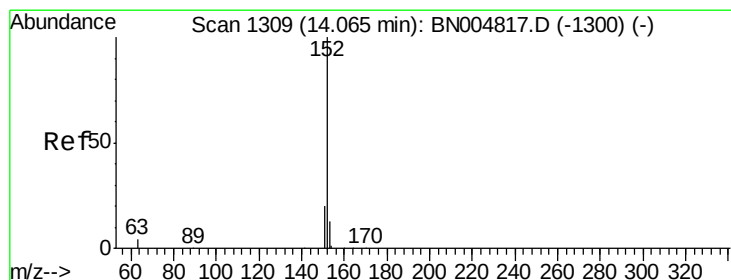
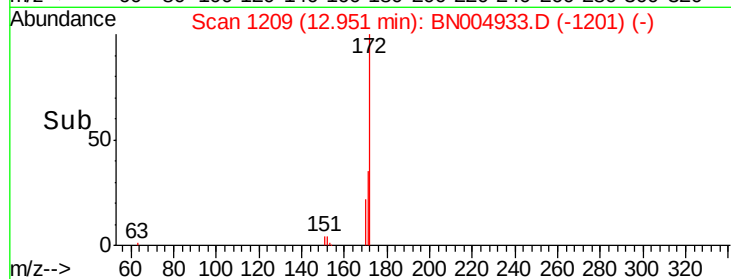
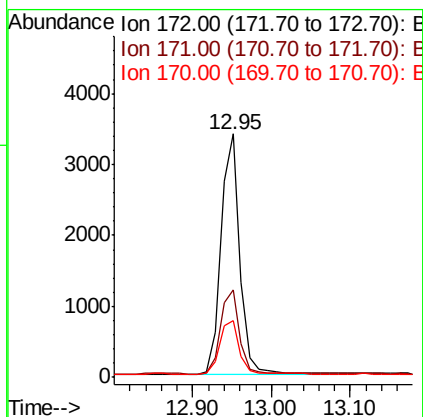
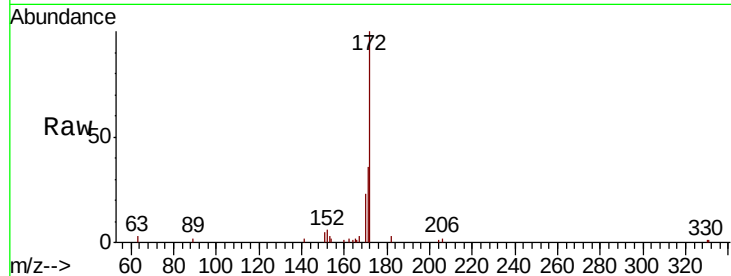




#15  
2-Fluorobiphenyl  
Concen: 0.457 ng  
RT: 12.95 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BN004933.D  
Acq: 23 Mar 2019 22:36

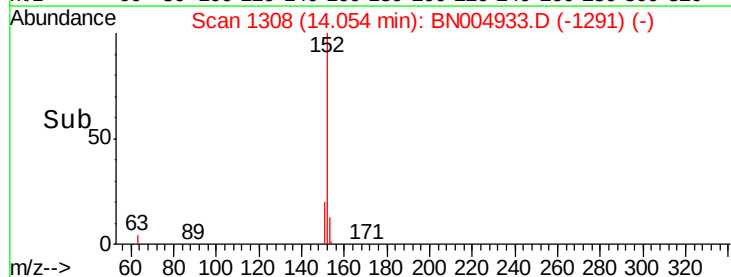
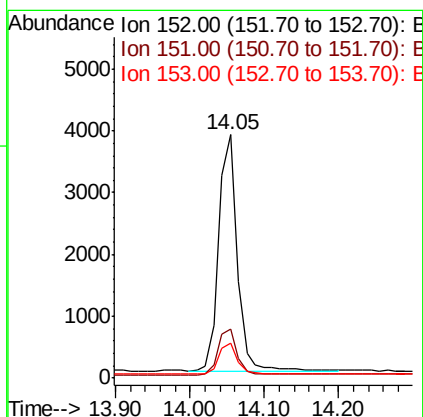
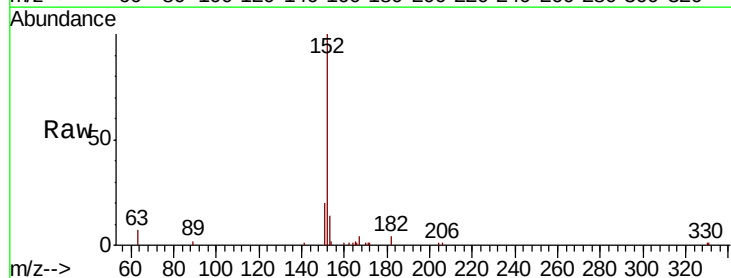
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

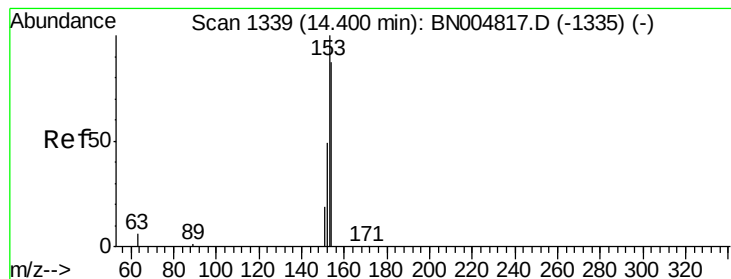
Tgt Ion:172 Resp: 5663  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.7 43.1  
170 23.3 18.7 28.1



#16  
Acenaphthylene  
Concen: 0.428 ng  
RT: 14.05 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BN004933.D  
Acq: 23 Mar 2019 22:36

Tgt Ion:152 Resp: 6608  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.1 24.1  
153 12.9 10.5 15.7





#17

Acenaphthene

Concen: 0.423 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

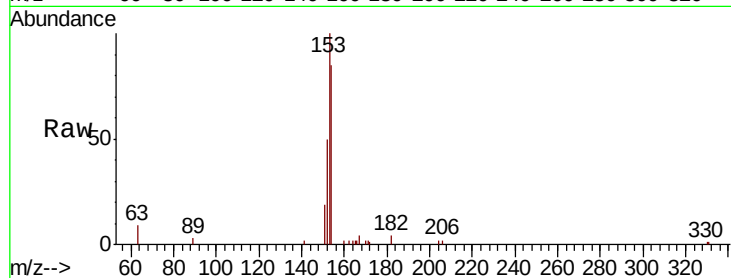
Tgt Ion:154 Resp: 4281

Ion Ratio Lower Upper

154 100

153 113.6 91.4 137.2

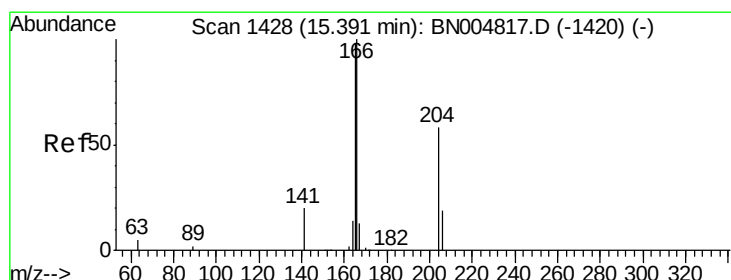
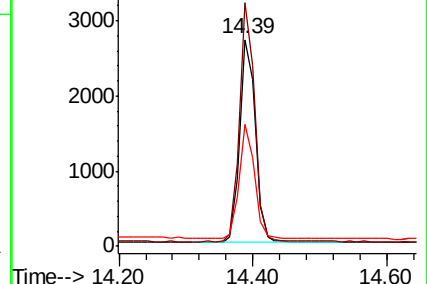
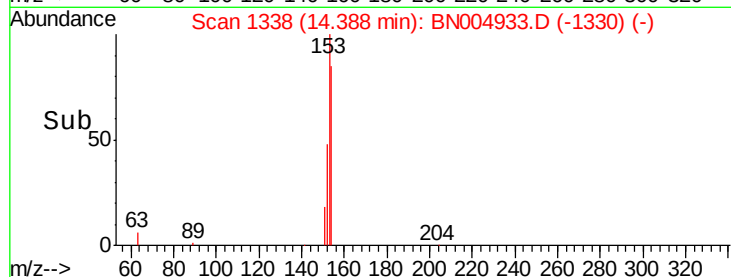
152 56.0 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.395 ng

RT: 15.38 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

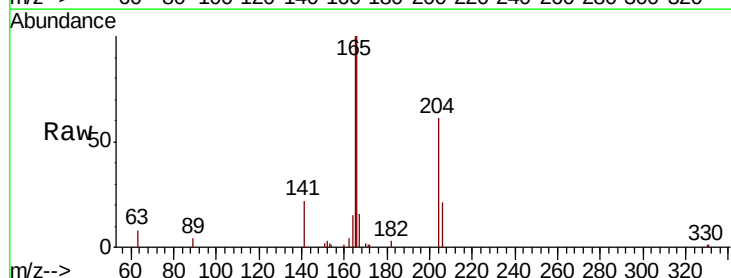
Tgt Ion:166 Resp: 5579

Ion Ratio Lower Upper

166 100

165 98.4 78.2 117.4

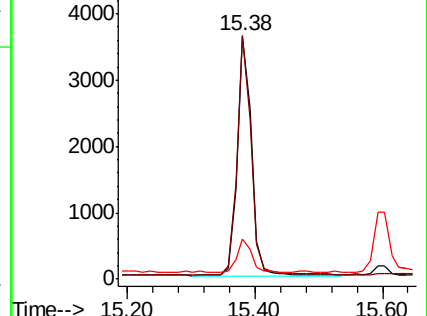
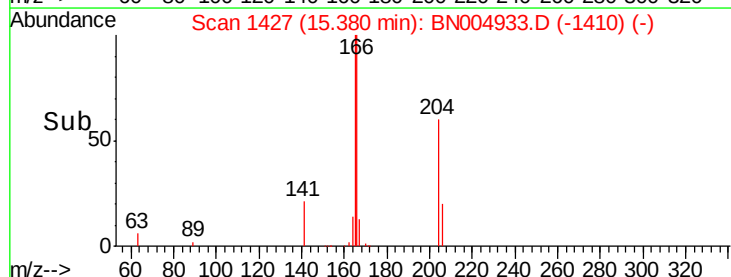
167 13.4 11.0 16.4

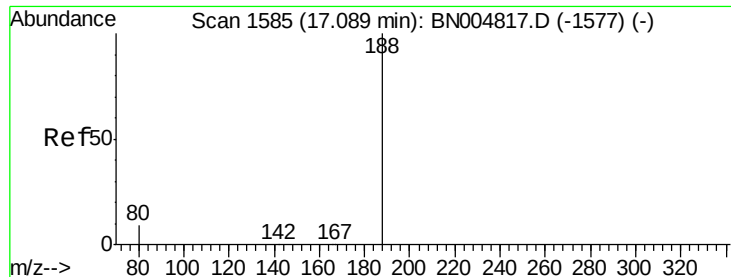


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

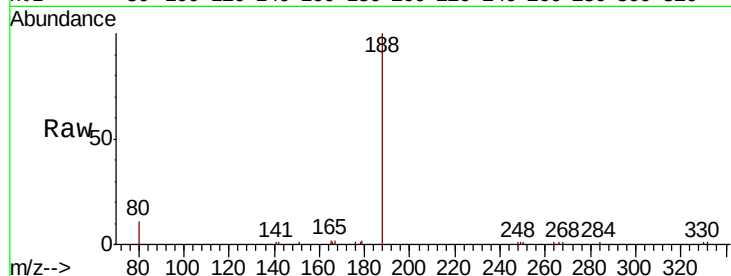
Tgt Ion:188 Resp: 7021

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

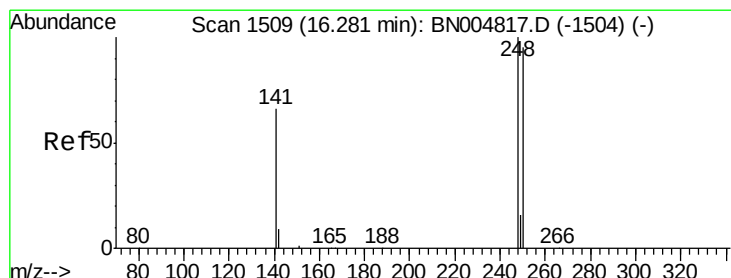
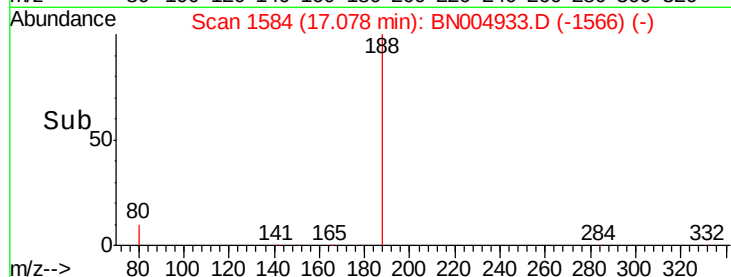
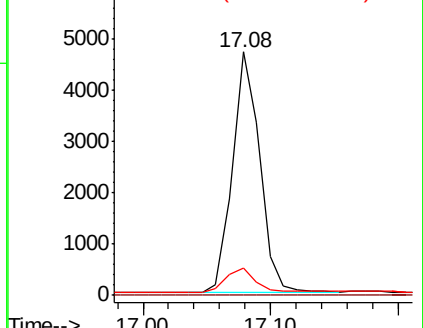
80 11.0 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.406 ng

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

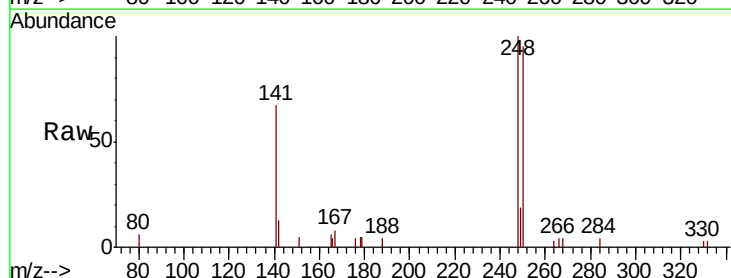
Tgt Ion:248 Resp: 1863

Ion Ratio Lower Upper

248 100

250 95.3 76.2 114.4

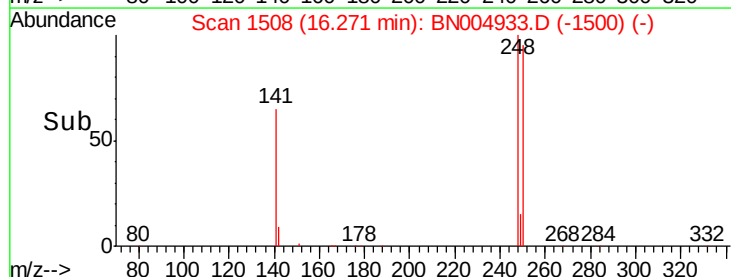
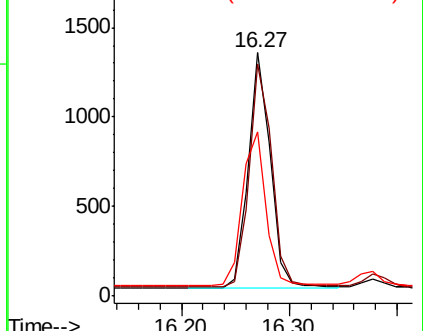
141 67.4 53.9 80.9

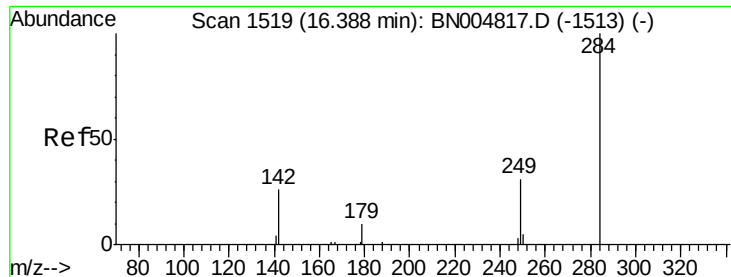


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.393 ng

RT: 16.38 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

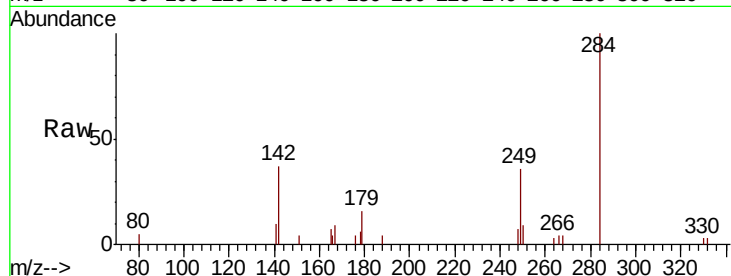
Tgt Ion:284 Resp: 2063

Ion Ratio Lower Upper

284 100

142 32.6 22.6 34.0

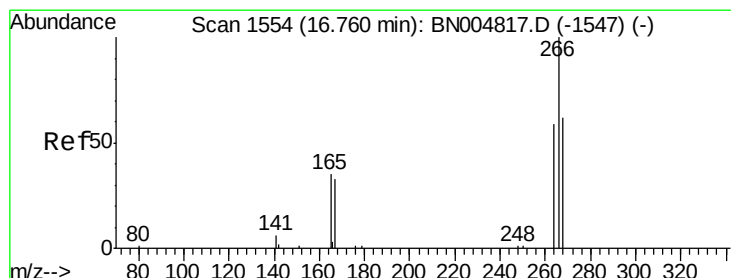
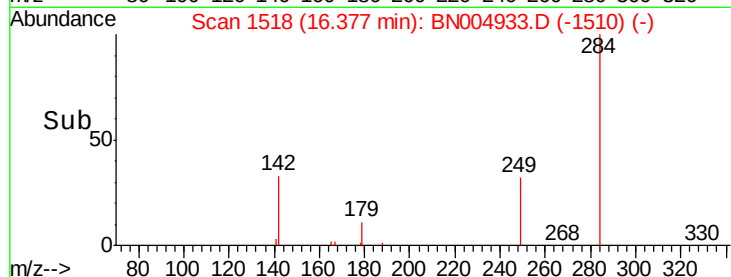
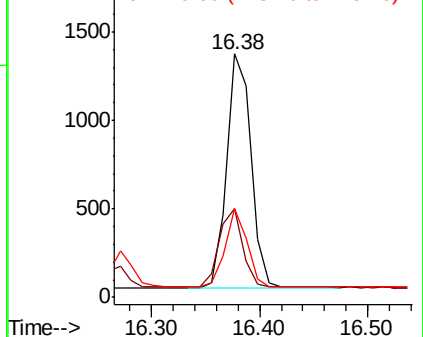
249 30.0 22.5 33.7



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: 0.548 ng

RT: 16.75 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

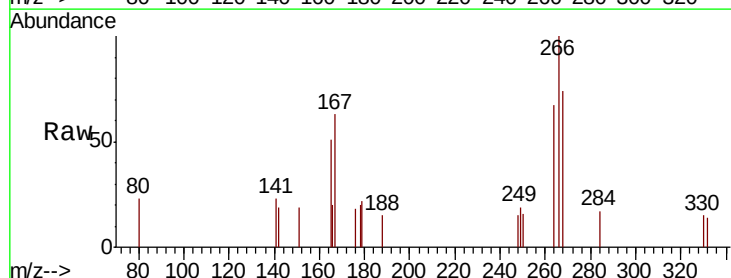
Tgt Ion:266 Resp: 563

Ion Ratio Lower Upper

266 100

264 67.2 53.1 79.7

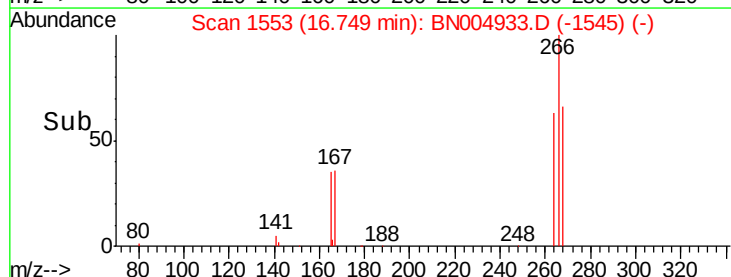
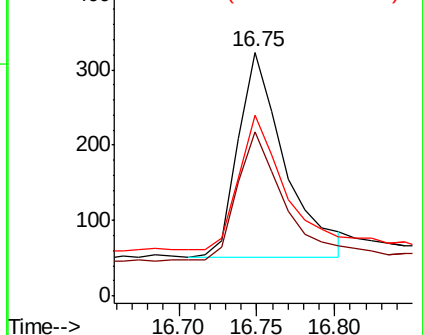
268 74.0 57.7 86.5

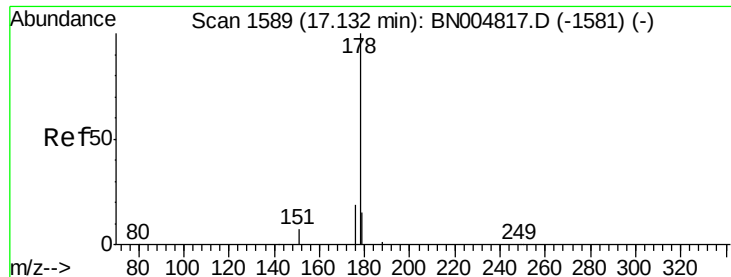


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.418 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

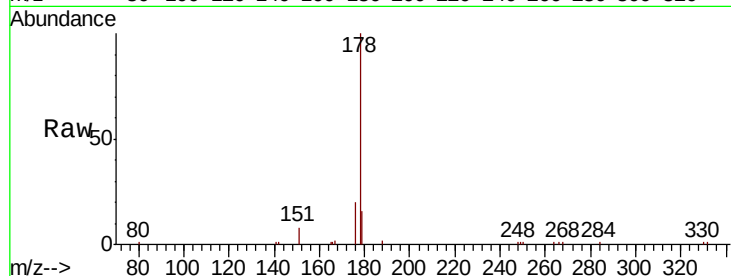
Tgt Ion:178 Resp: 9480

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

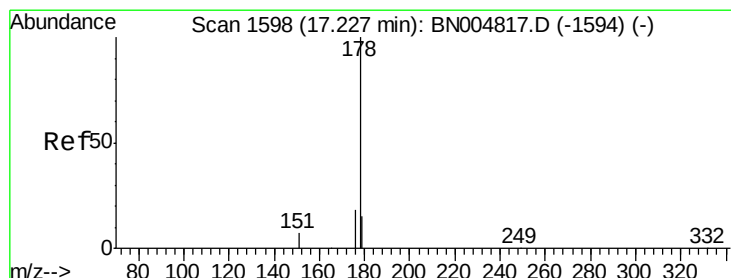
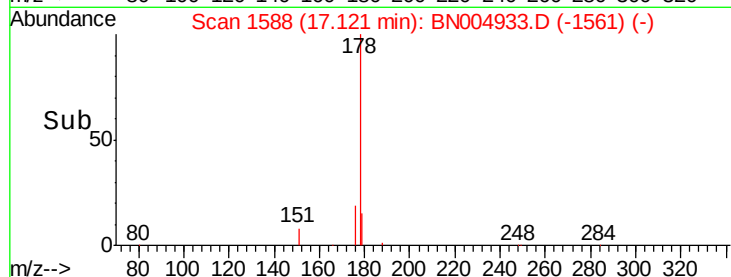
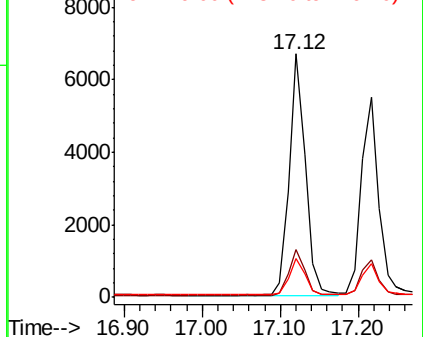
179 15.3 12.1 18.1



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: 0.421 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

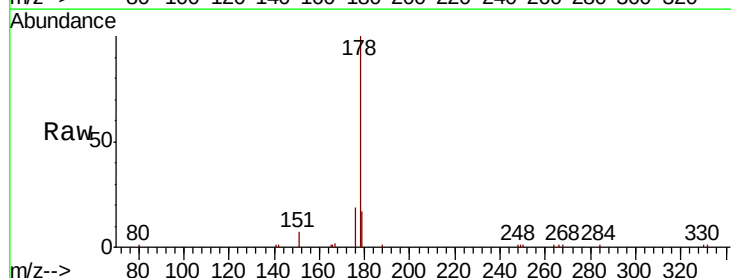
Tgt Ion:178 Resp: 8525

Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

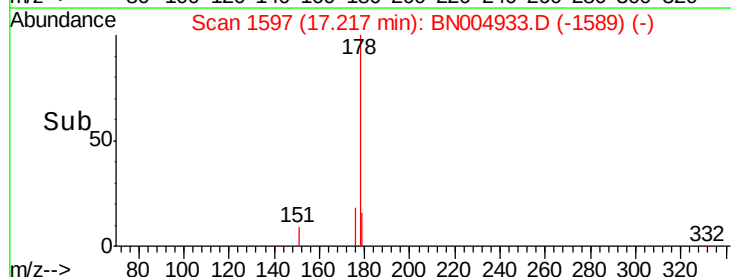
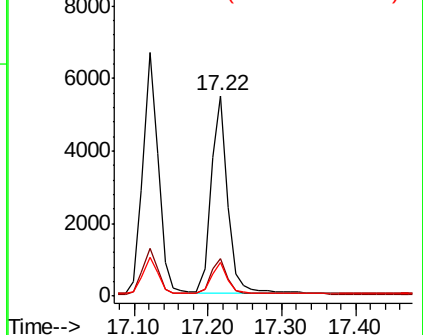
179 15.4 12.2 18.4

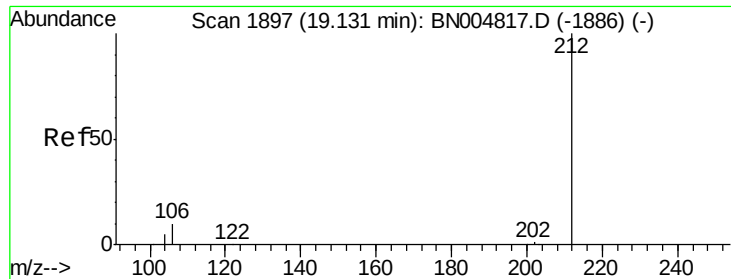


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.425 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

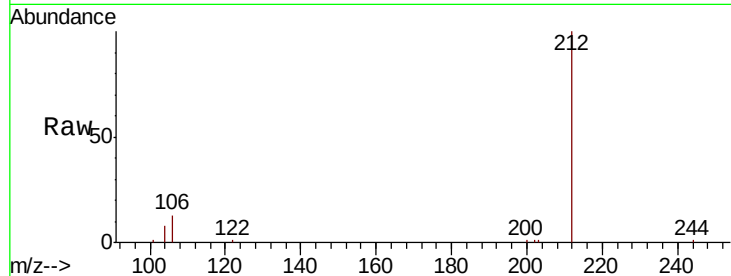
Tgt Ion:212 Resp: 9993

Ion Ratio Lower Upper

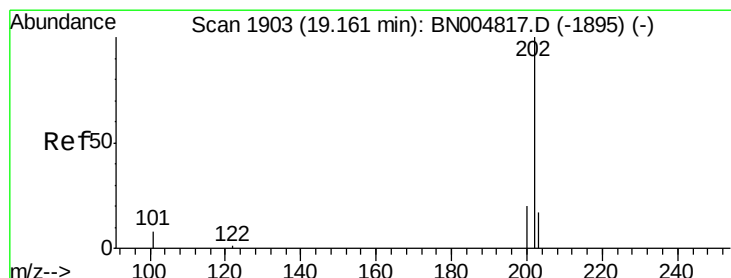
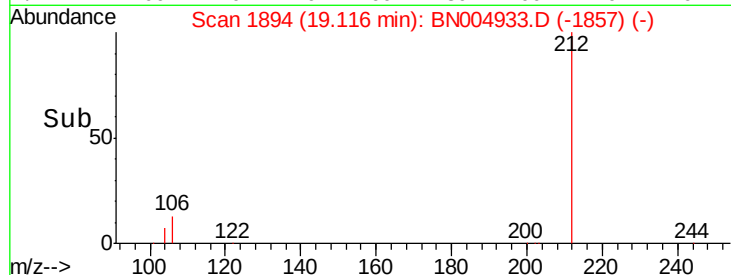
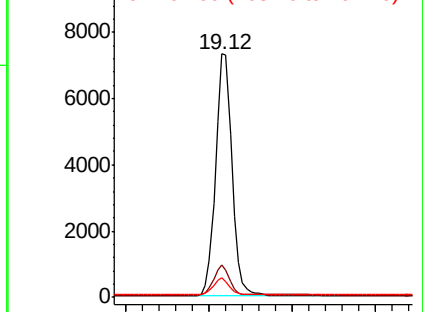
212 100

106 12.0 8.6 13.0

104 6.8 4.7 7.1



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: 0.421 ng

RT: 19.15 min Scan# 1900

Delta R.T. -0.02 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

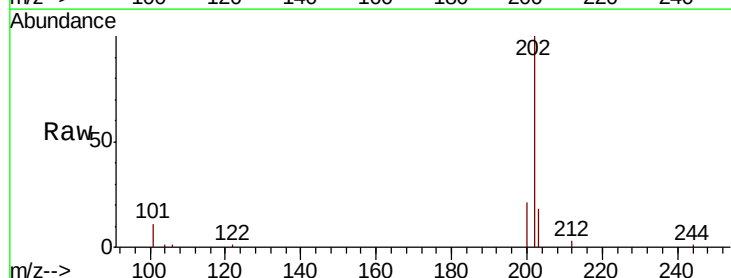
Tgt Ion:202 Resp: 12273

Ion Ratio Lower Upper

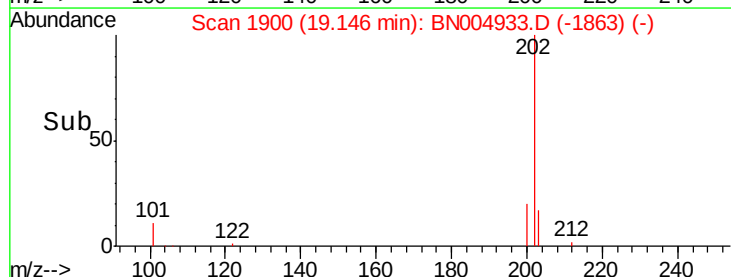
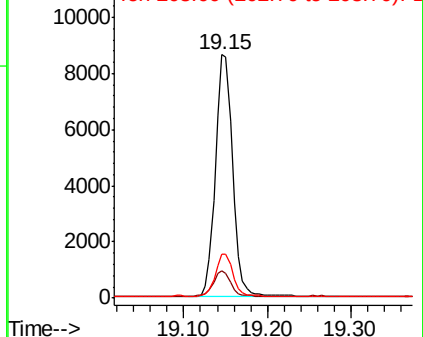
202 100

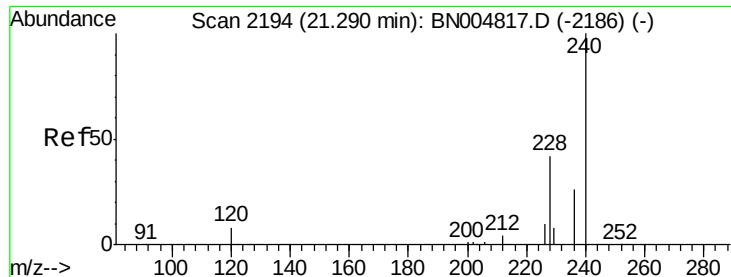
101 10.5 7.5 11.3

203 17.1 13.8 20.6



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: 21.28 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

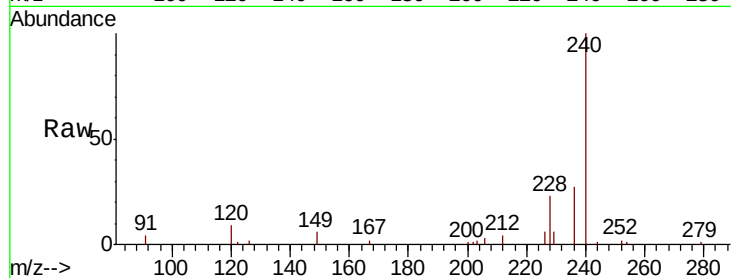
Tgt Ion:240 Resp: 10679

Ion Ratio Lower Upper

240 100

120 9.0 7.2 10.8

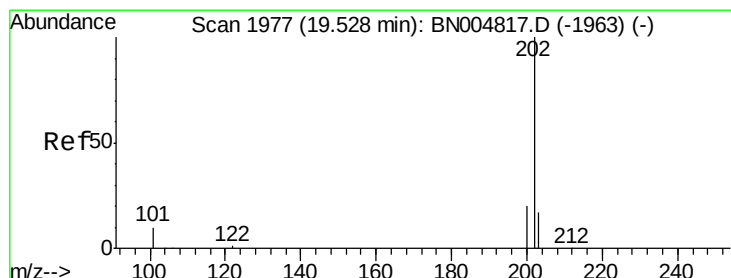
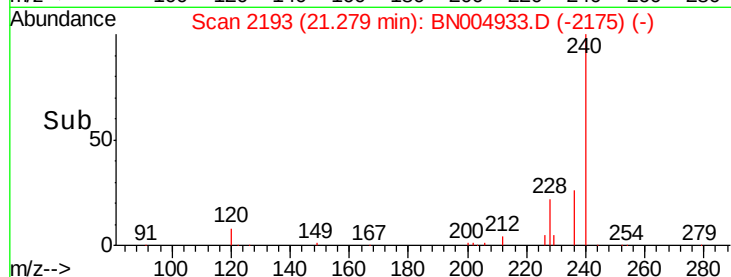
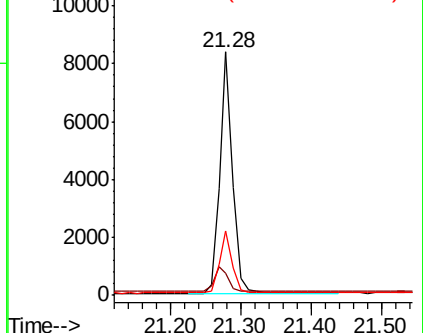
236 26.6 20.9 31.3



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: 0.396 ng

RT: 19.51 min Scan# 1974

Delta R.T. -0.02 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

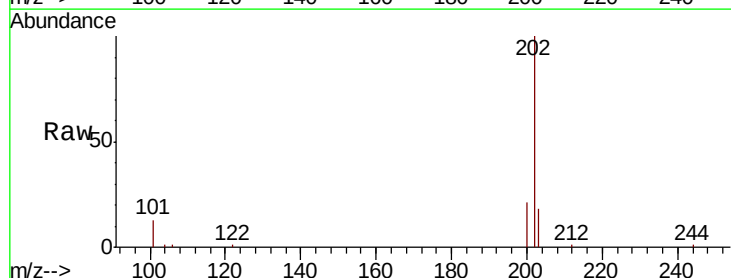
Tgt Ion:202 Resp: 12879

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

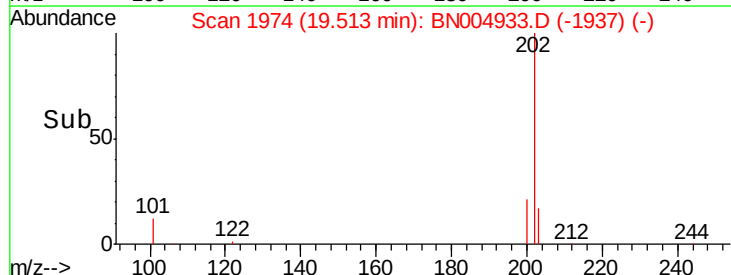
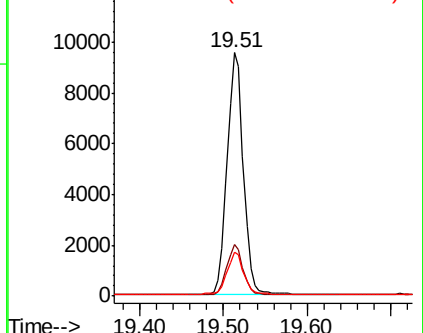
203 17.5 14.0 21.0



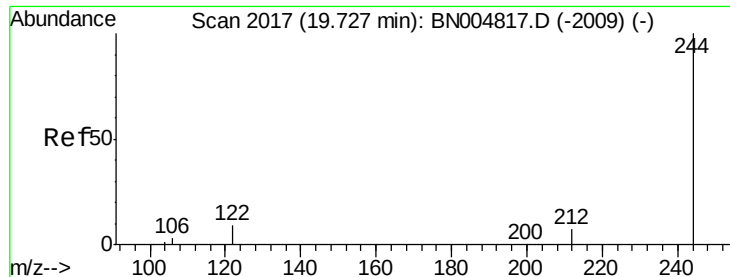
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.407 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

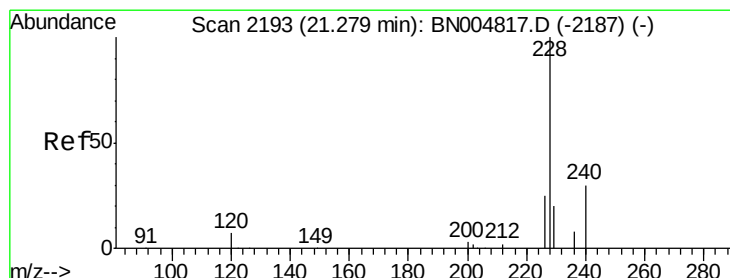
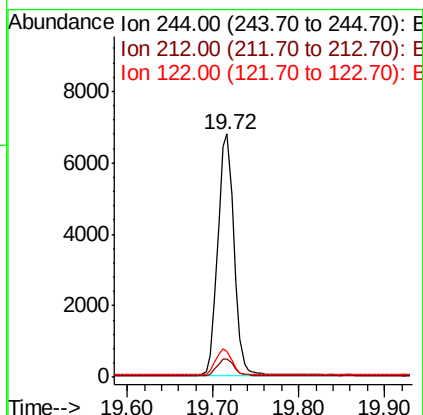
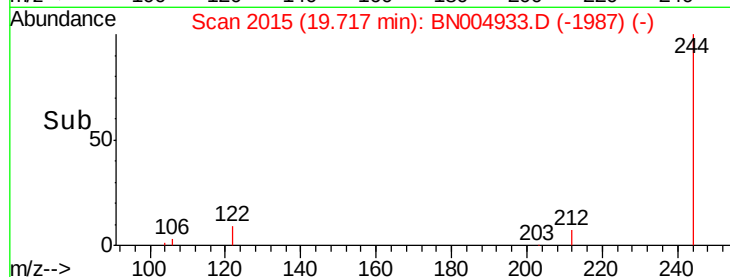
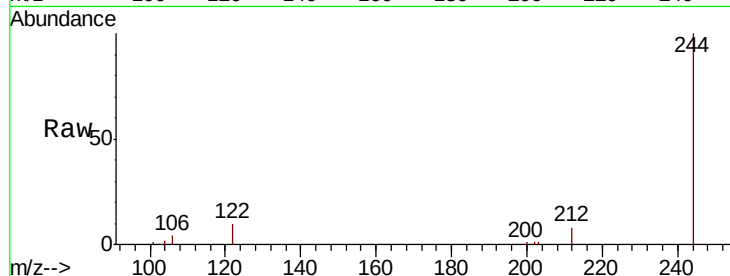
Tgt Ion:244 Resp: 8891

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 10.5 7.9 11.9



#30

Benzo(a)anthracene

Concen: 0.423 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

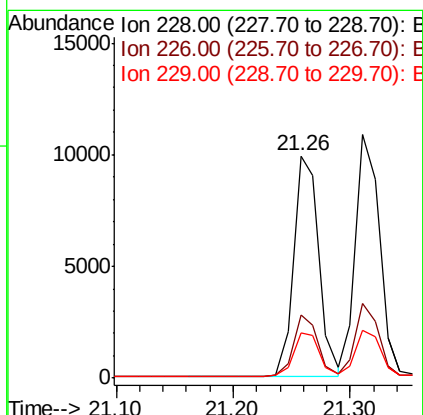
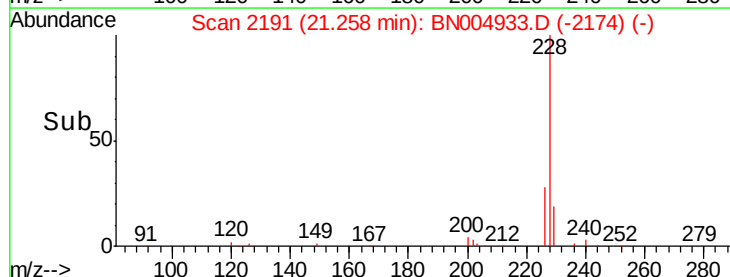
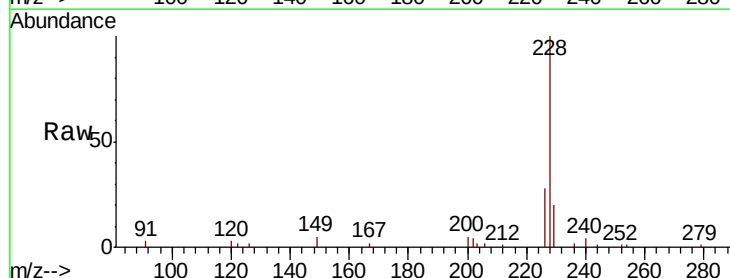
Tgt Ion:228 Resp: 14814

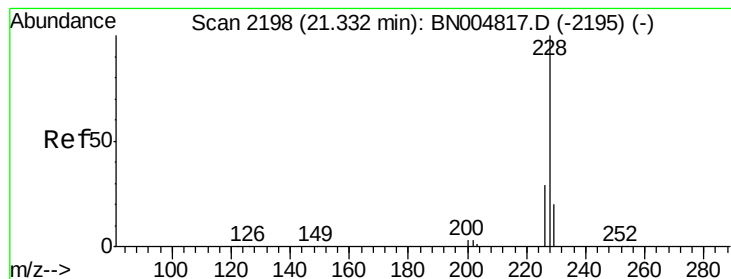
Ion Ratio Lower Upper

228 100

226 28.3 20.6 31.0

229 20.2 16.2 24.4





#31

Chrysene

Concen: 0.414 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

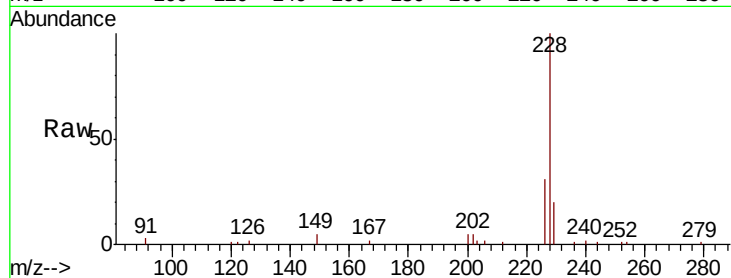
Tgt Ion:228 Resp: 15279

Ion Ratio Lower Upper

228 100

226 30.7 23.0 34.6

229 19.8 16.2 24.2

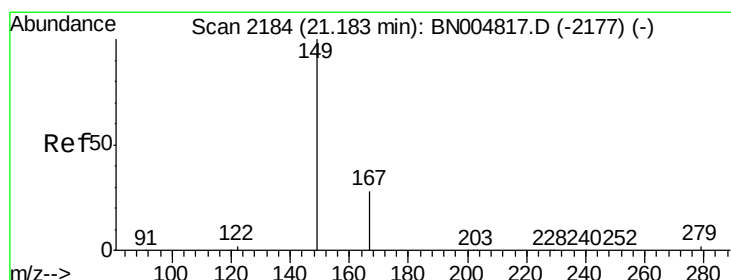
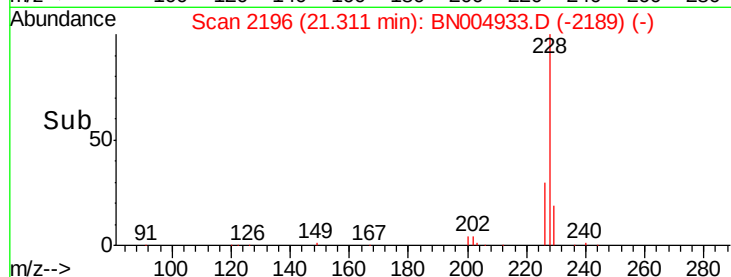
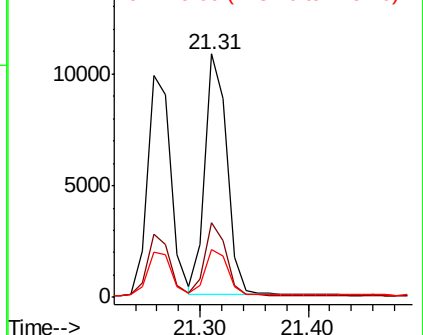


Abundance

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: 0.438 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

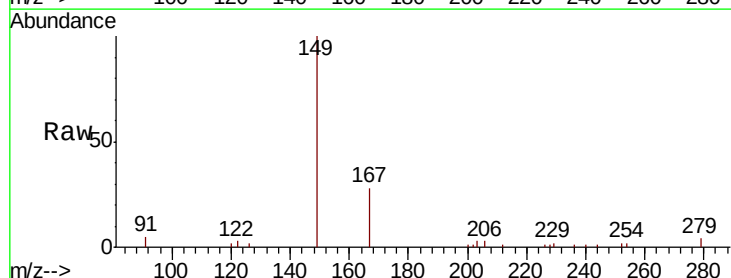
Tgt Ion:149 Resp: 6131

Ion Ratio Lower Upper

149 100

167 27.7 23.0 34.4

279 5.4 4.6 6.8

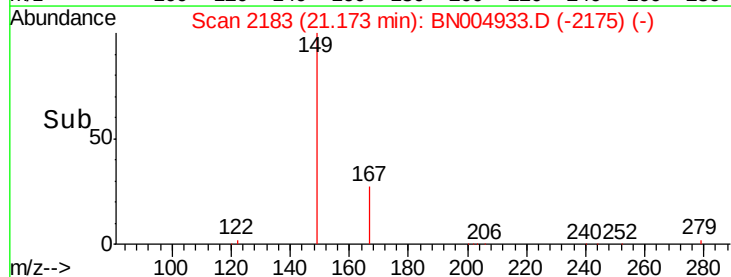
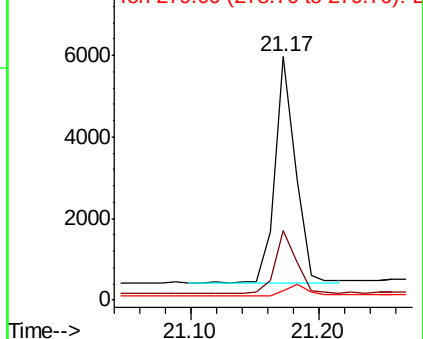


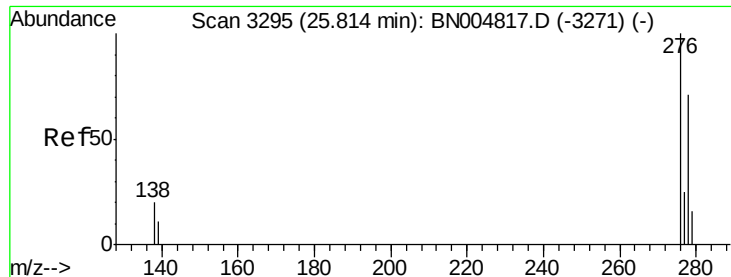
Abundance

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: 0.530 ng

RT: 25.79 min Scan# 3288

Delta R.T. -0.02 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

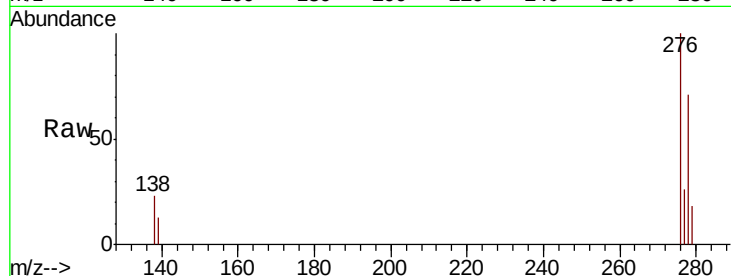
Tgt Ion: 276 Resp: 28284

Ion Ratio Lower Upper

276 100

138 23.0 16.6 24.8

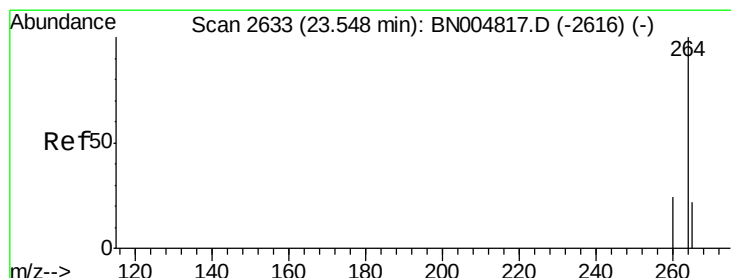
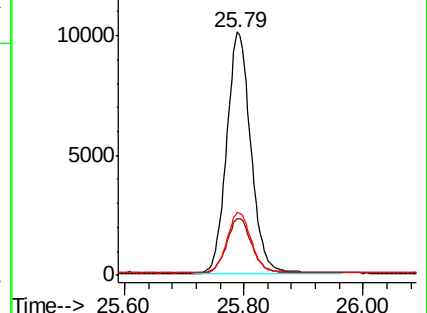
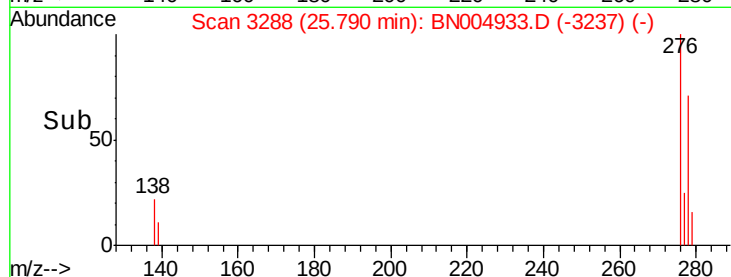
277 25.3 20.3 30.5



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: 23.53 min Scan# 2627

Delta R.T. -0.02 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

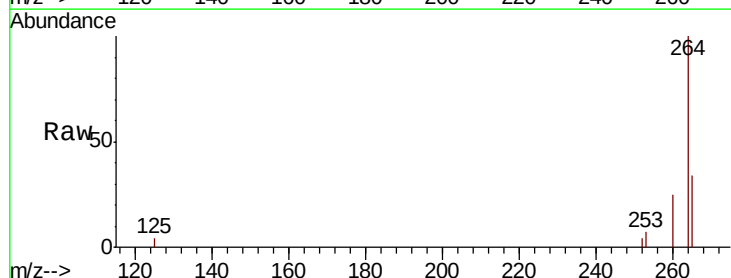
Tgt Ion: 264 Resp: 14519

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

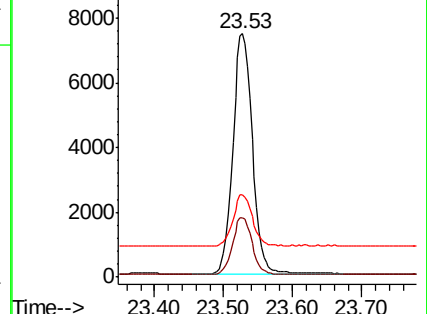
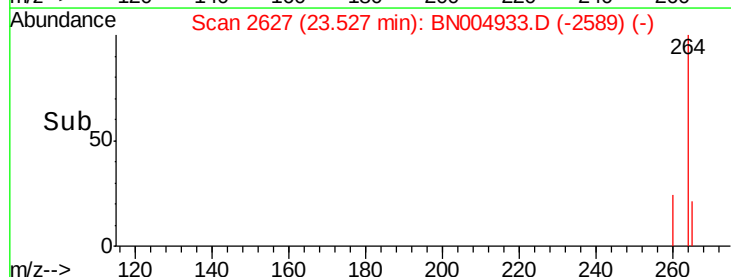
265 34.1 23.1 34.7

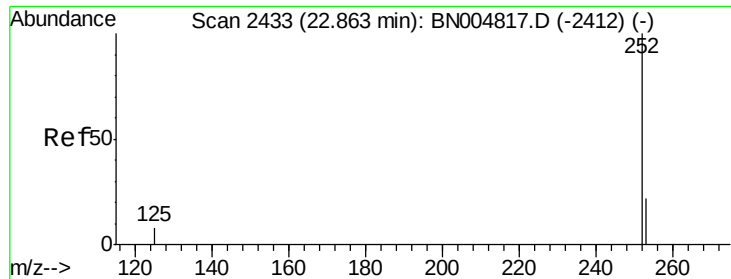


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

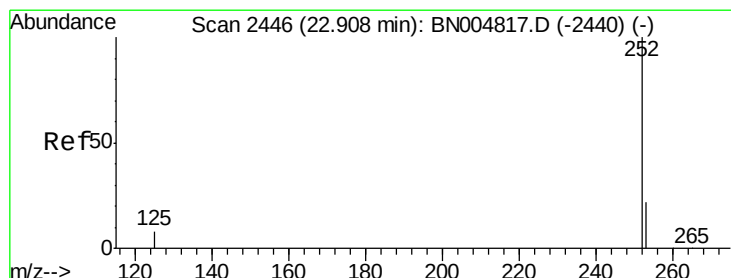
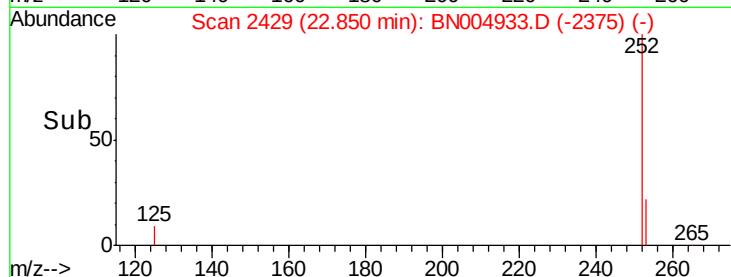
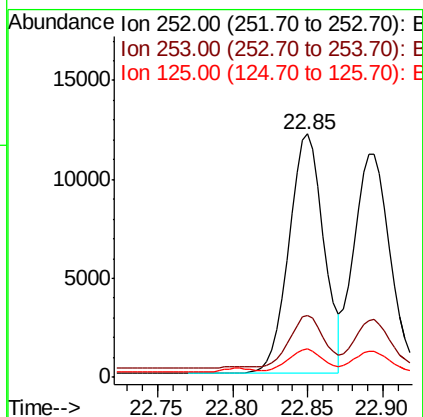
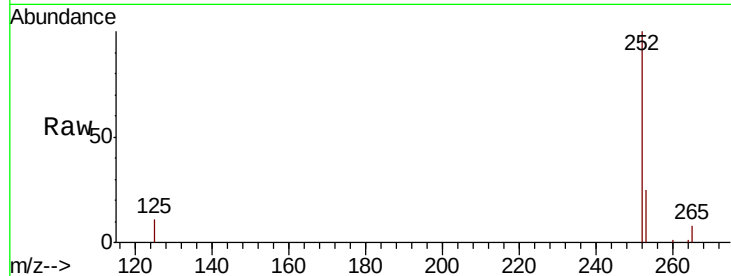




#35  
Benzo(b)fluoranthene  
Concen: 0.373 ng  
RT: 22.85 min Scan# 2429  
Delta R.T. -0.01 min  
Lab File: BN004933.D  
Acq: 23 Mar 2019 22:36

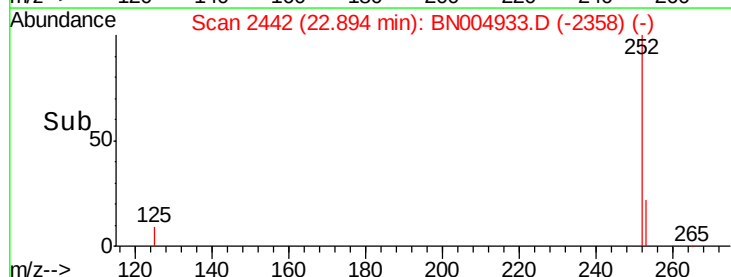
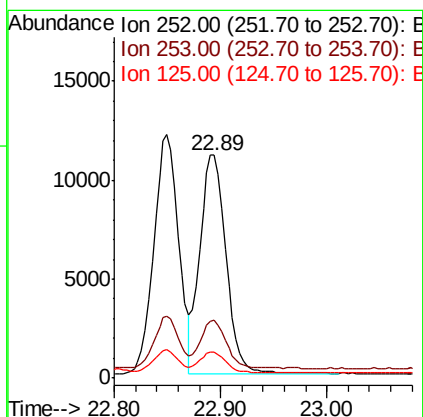
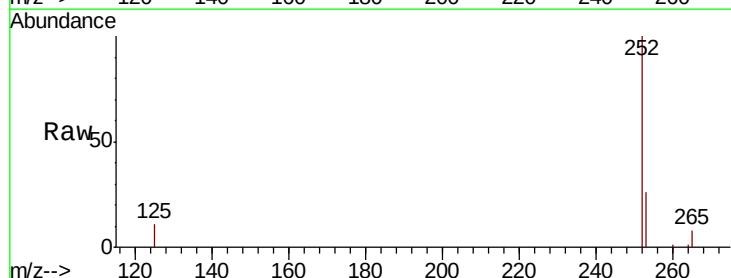
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4EC

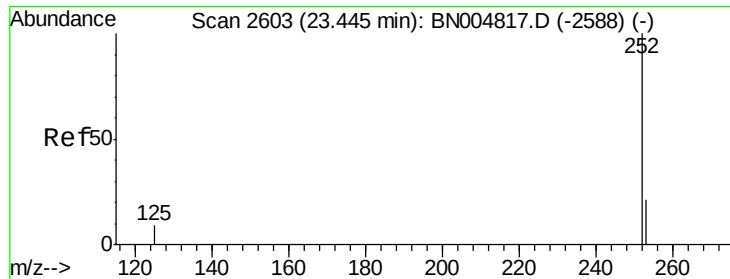
Tgt Ion:252 Resp: 19597  
Ion Ratio Lower Upper  
252 100  
253 25.3 19.0 28.4  
125 11.5 7.4 11.2#



#36  
Benzo(k)fluoranthene  
Concen: 0.364 ng  
RT: 22.89 min Scan# 2442  
Delta R.T. -0.01 min  
Lab File: BN004933.D  
Acq: 23 Mar 2019 22:36

Tgt Ion:252 Resp: 18834  
Ion Ratio Lower Upper  
252 100  
253 25.9 19.3 28.9  
125 11.5 7.4 11.0#





#37

Benzo(a)pyrene

Concen: 0.398 ng

RT: 23.43 min Scan# 2598

Delta R.T. -0.02 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC

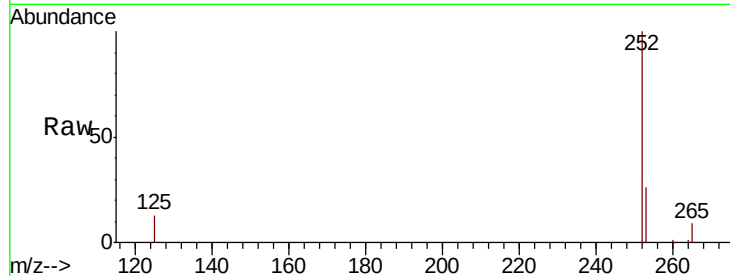
Tgt Ion:252 Resp: 19164

Ion Ratio Lower Upper

252 100

253 26.2 19.7 29.5

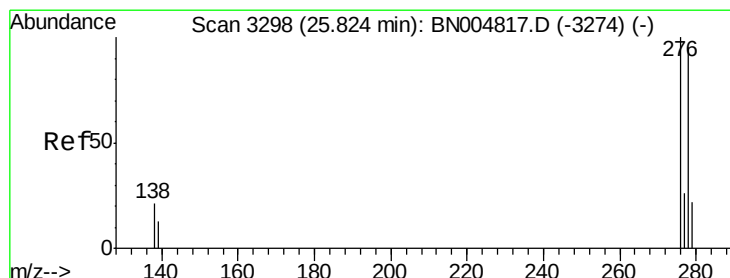
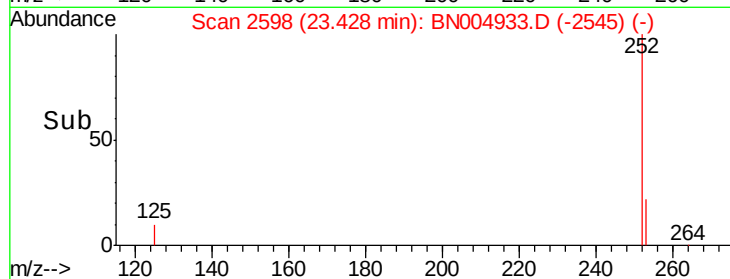
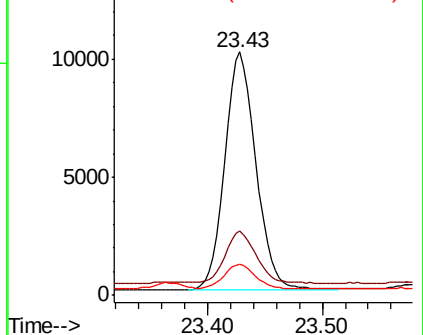
125 12.9 8.3 12.5#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.413 ng

RT: 25.80 min Scan# 3291

Delta R.T. -0.02 min

Lab File: BN004933.D

Acq: 23 Mar 2019 22:36

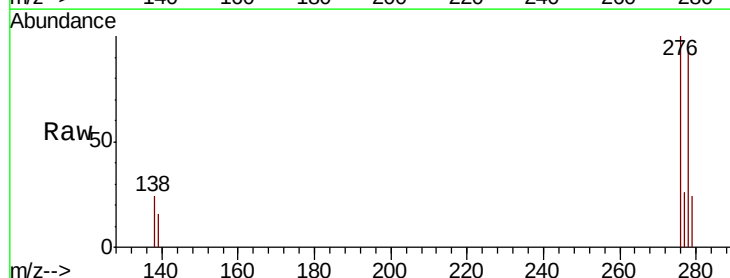
Tgt Ion:278 Resp: 23033

Ion Ratio Lower Upper

278 100

139 17.1 11.7 17.5

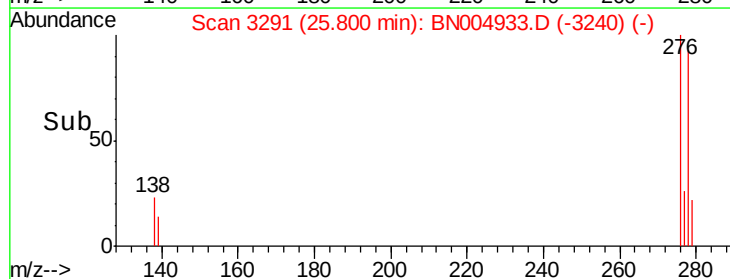
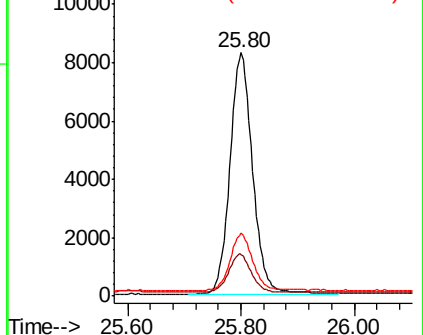
279 25.8 19.9 29.9

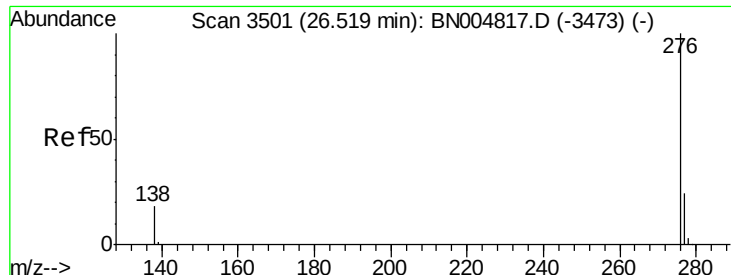


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.419 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004933.D

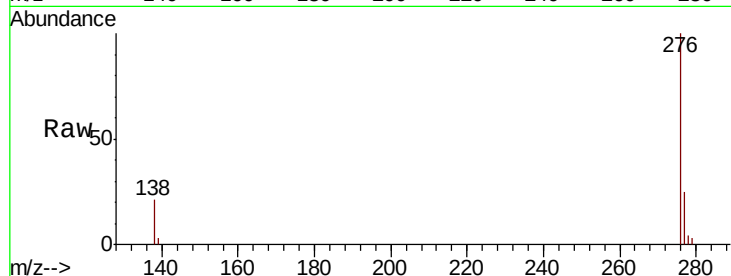
Acq: 23 Mar 2019 22:36

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion: 276 Resp: 23846

Ion Ratio Lower Upper

276 100

277 25.0 19.7 29.5

138 21.2 14.6 22.0

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

