

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032919\  
 Data File : BN005025.D  
 Acq On : 29 Mar 2019 08:46  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Mar 29 23:47:35 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 29 03:42:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 2818     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.44 | 136  | 11610    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.30 | 164  | 6747     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.06 | 188  | 16295    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.26 | 240  | 20631    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.50 | 264  | 22040    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.25  | 112 | 2827  | 0.40 | ng | 0.00  |
| 5) Phenol-d6                | 6.84  | 99  | 3248  | 0.39 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.82  | 82  | 2603  | 0.39 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 7035  | 0.39 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 1326  | 0.35 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.92 | 172 | 10434 | 0.41 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.10 | 212 | 18567 | 0.40 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.70 | 244 | 15776 | 0.37 | ng | 0.00  |

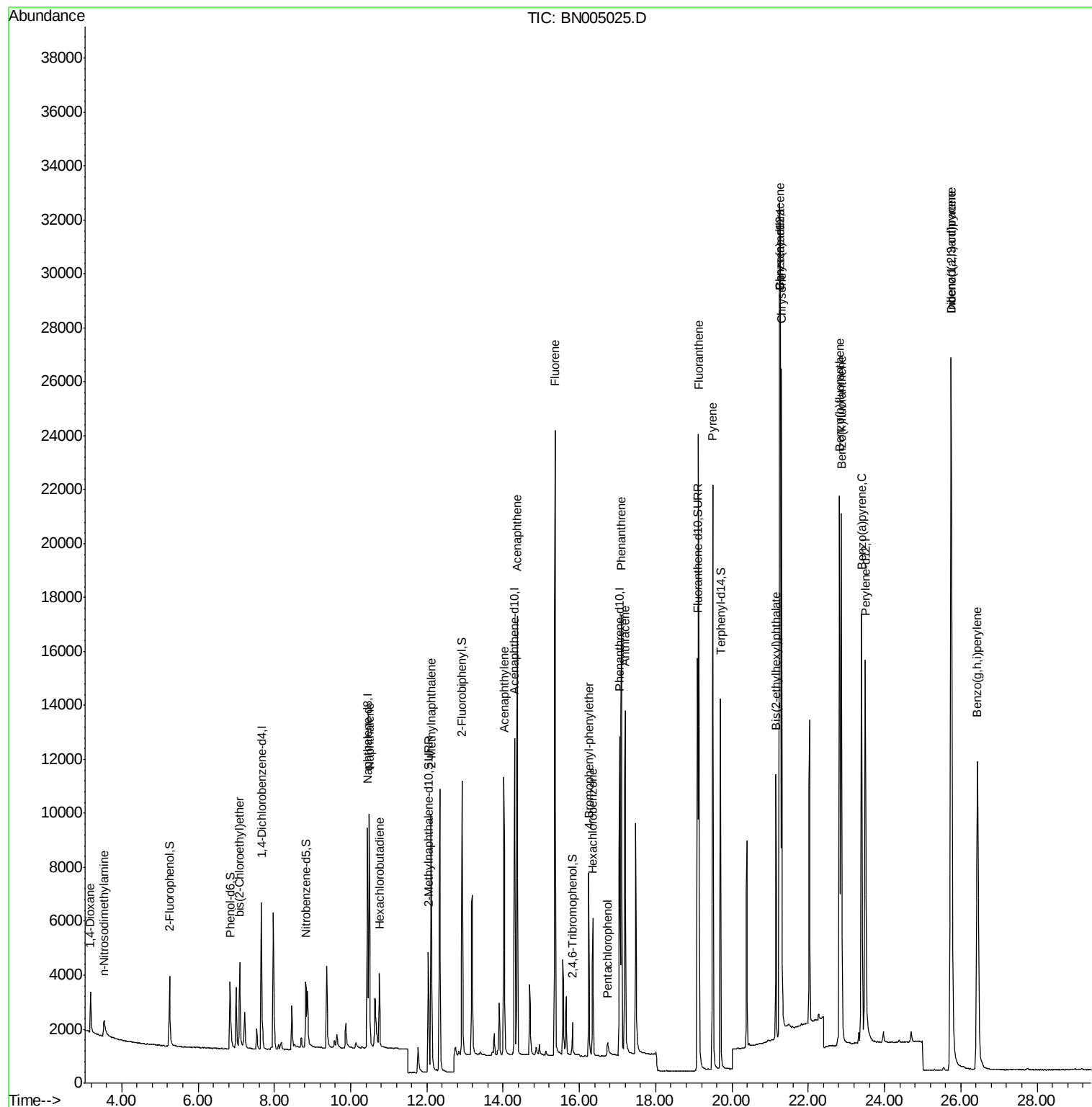
|                                |       |     |       |       |        |      |
|--------------------------------|-------|-----|-------|-------|--------|------|
| Target Compounds               |       |     |       |       | Qvalue |      |
| 2) 1,4-Dioxane                 | 3.18  | 88  | 1150  | 0.380 | ng     | 96   |
| 3) n-Nitrosodimethylamine      | 3.54  | 42  | 631   | 0.341 | ng     | # 97 |
| 6) bis(2-Chloroethyl)ether     | 7.10  | 93  | 3151  | 0.400 | ng     | 99   |
| 9) Naphthalene                 | 10.49 | 128 | 11701 | 0.401 | ng     | 100  |
| 10) Hexachlorobutadiene        | 10.76 | 225 | 2185  | 0.403 | ng     | # 99 |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 8203  | 0.390 | ng     | 98   |
| 16) Acenaphthylene             | 14.02 | 152 | 12166 | 0.382 | ng     | 100  |
| 17) Acenaphthene               | 14.37 | 154 | 8066  | 0.399 | ng     | 100  |
| 18) Fluorene                   | 15.36 | 166 | 10776 | 0.397 | ng     | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.25 | 248 | 3635  | 0.390 | ng     | 96   |
| 21) Hexachlorobenzene          | 16.36 | 284 | 4087  | 0.397 | ng     | 99   |
| 22) Pentachlorophenol          | 16.74 | 266 | 619   | 0.380 | ng     | 94   |
| 23) Phenanthrene               | 17.10 | 178 | 17990 | 0.394 | ng     | 100  |
| 24) Anthracene                 | 17.20 | 178 | 15664 | 0.386 | ng     | 99   |
| 26) Fluoranthene               | 19.13 | 202 | 22120 | 0.396 | ng     | 99   |
| 28) Pyrene                     | 19.49 | 202 | 22514 | 0.384 | ng     | 100  |
| 30) Benzo(a)anthracene         | 21.25 | 228 | 22149 | 0.381 | ng     | 100  |
| 31) Chrysene                   | 21.30 | 228 | 25259 | 0.403 | ng     | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 8515  | 0.350 | ng     | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.75 | 276 | 31994 | 0.454 | ng     | 100  |
| 35) Benzo(b)fluoranthene       | 22.82 | 252 | 26728 | 0.378 | ng     | 100  |
| 36) Benzo(k)fluoranthene       | 22.87 | 252 | 26914 | 0.394 | ng     | 100  |
| 37) Benzo(a)pyrene             | 23.40 | 252 | 24498 | 0.390 | ng     | 99   |
| 38) Dibenzo(a,h)anthracene     | 25.76 | 278 | 25982 | 0.413 | ng     | 100  |
| 39) Benzo(g,h,i)perylene       | 26.44 | 276 | 26982 | 0.426 | ng     | 99   |

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

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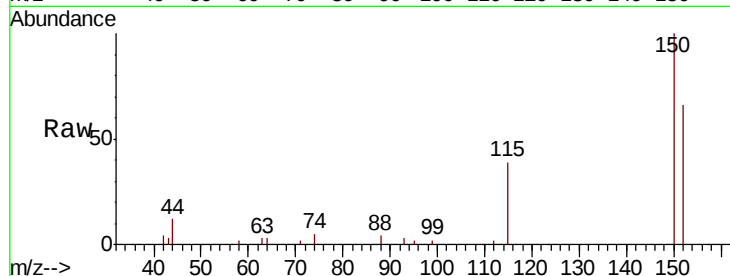


#1

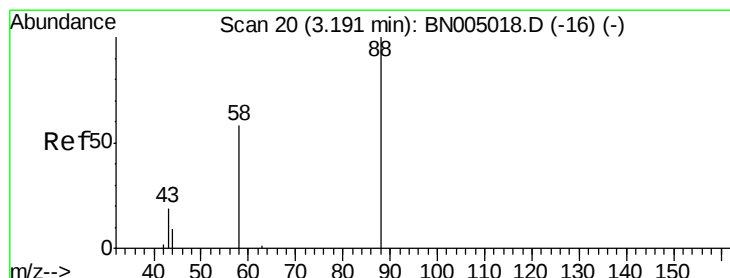
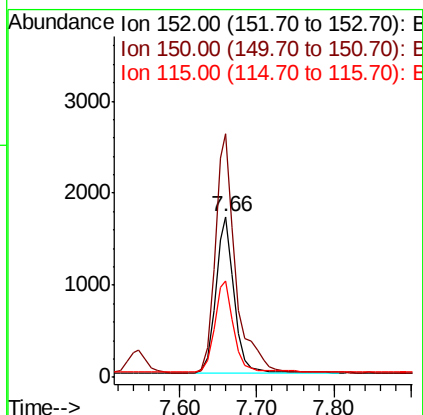
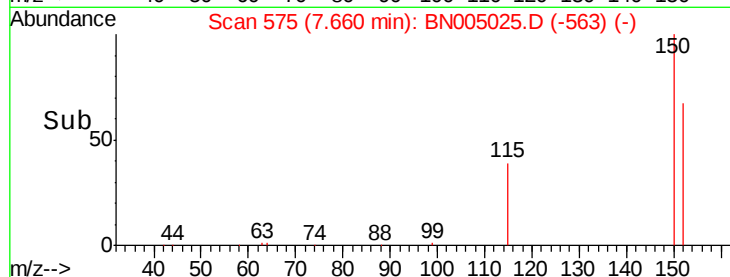
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.66 min Scan# 575  
Delta R.T. -0.00 min  
Lab File: BN005025.D  
Acq: 29 Mar 2019 08:46

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:152 Resp: 2818  
Ion Ratio Lower Upper  
152 100  
150 151.7 123.4 185.2  
115 59.7 50.0 75.0



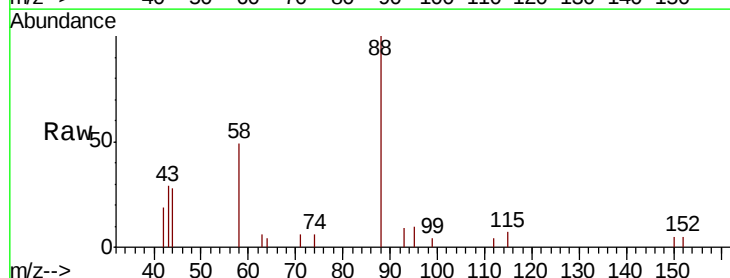
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



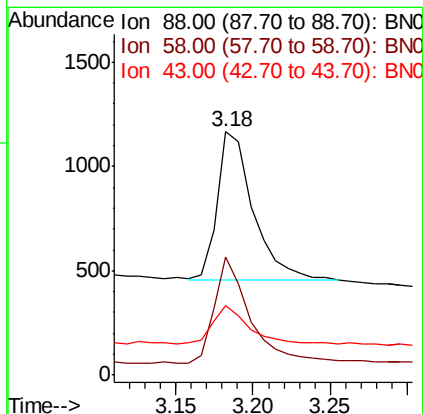
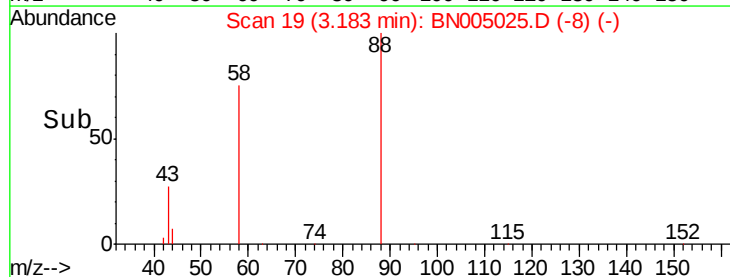
#2

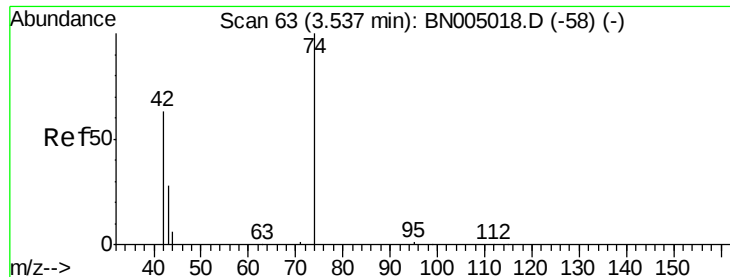
1,4-Dioxane  
Concen: 0.380 ng  
RT: 3.18 min Scan# 19  
Delta R.T. -0.01 min  
Lab File: BN005025.D  
Acq: 29 Mar 2019 08:46

Tgt Ion: 88 Resp: 1150  
Ion Ratio Lower Upper  
88 100  
58 69.5 52.8 79.2  
43 26.1 19.6 29.4



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: 0.341 ng

RT: 3.54 min Scan# 63

Delta R.T. 0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

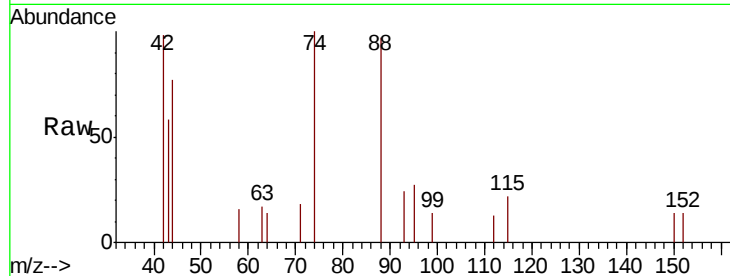
Tot Ion: 42 Resp: 631

Ion Ratio Lower Upper

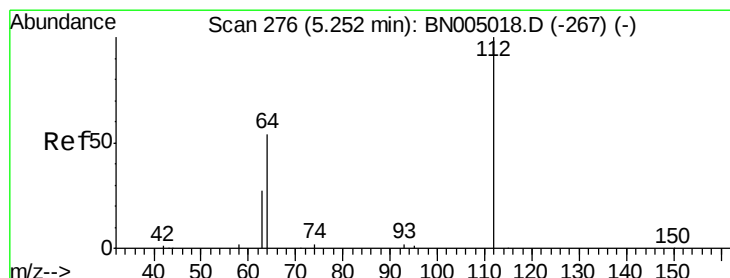
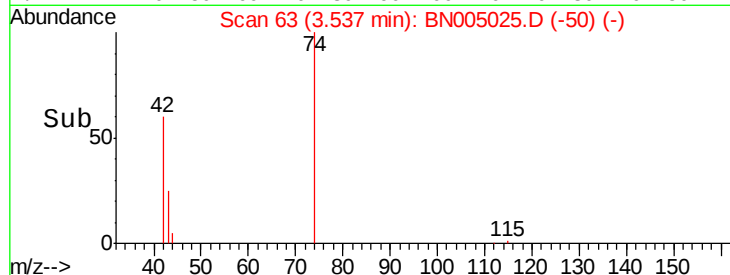
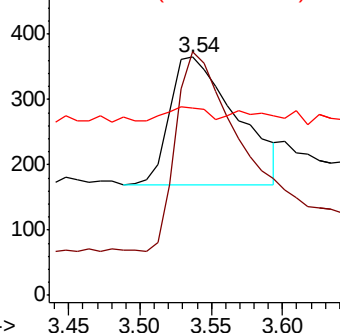
42 100

74 158.8 129.1 193.7

44 6.2 11.6 17.4#



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



#4

2-Fluorophenol

Concen: 0.402 ng

RT: 5.25 min Scan# 276

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

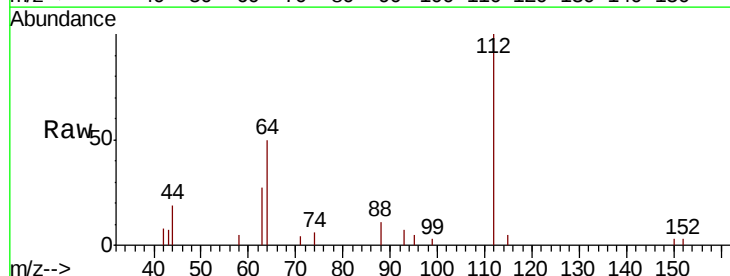
Tgt Ion: 112 Resp: 2827

Ion Ratio Lower Upper

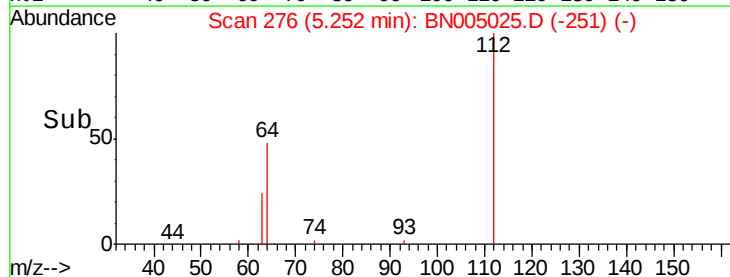
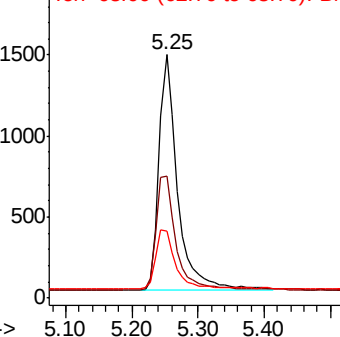
112 100

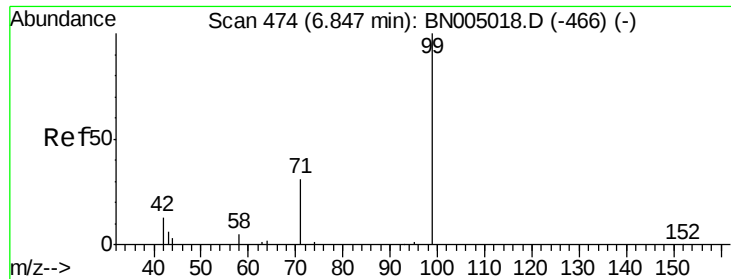
64 52.6 41.9 62.9

63 26.4 21.5 32.3



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





#5

Phenol-d6

Concen: 0.390 ng

RT: 6.84 min Scan# 473

Delta R.T. -0.01 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

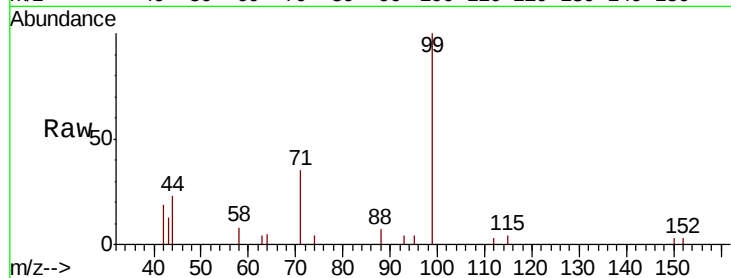
Tot Ion: 99 Resp: 3248

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

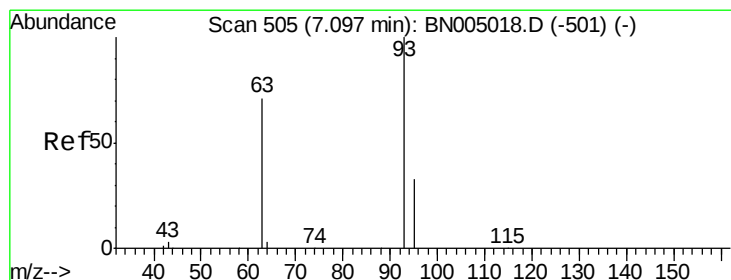
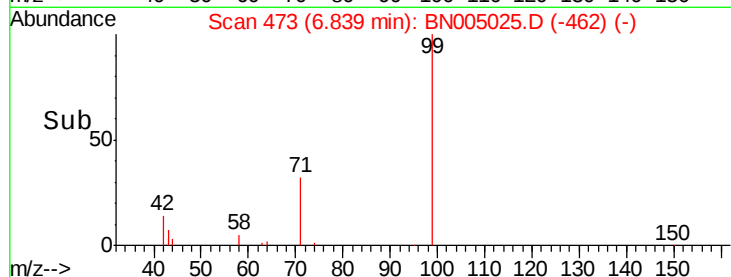
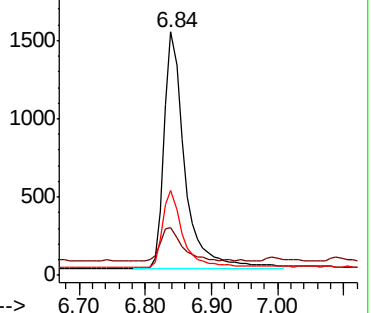
71 32.1 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BN005018.D (-466) (-)

Ion 42.00 (41.70 to 42.70): BN005018.D (-466) (-)

Ion 71.00 (70.70 to 71.70): BN005018.D (-466) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.400 ng

RT: 7.10 min Scan# 505

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

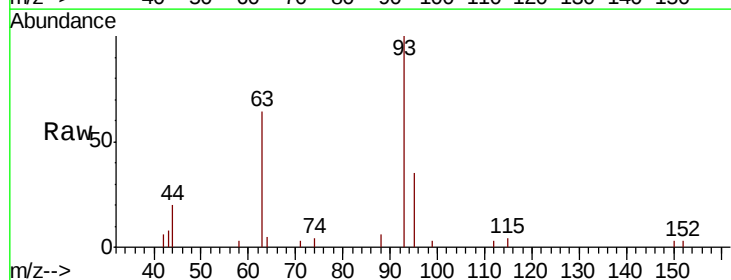
Tgt Ion: 93 Resp: 3151

Ion Ratio Lower Upper

93 100

63 66.1 51.8 77.6

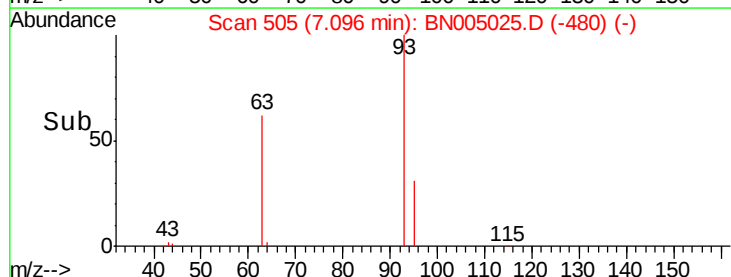
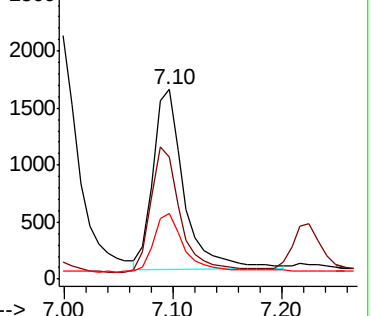
95 31.2 24.8 37.2

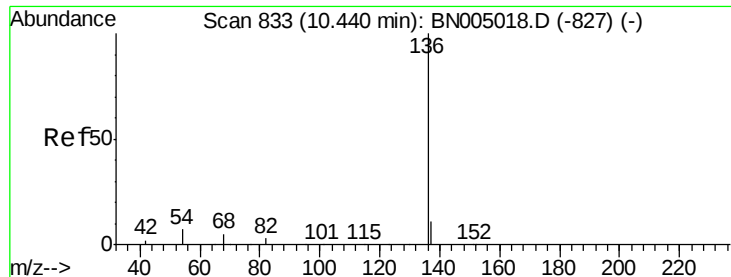


Abundance Ion 93.00 (92.70 to 93.70): BN005018.D (-501) (-)

Ion 63.00 (62.70 to 63.70): BN005018.D (-501) (-)

Ion 95.00 (94.70 to 95.70): BN005018.D (-501) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 833

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 11610

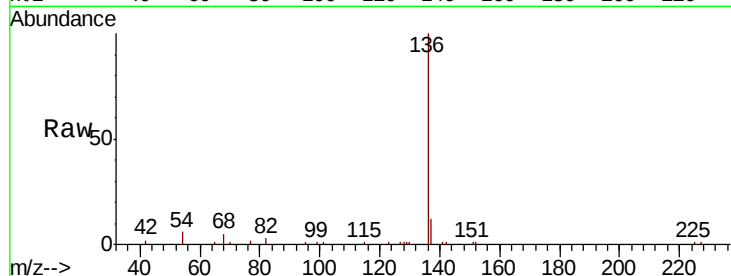
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 6.1 6.0 9.0

68 5.4 5.0 7.6

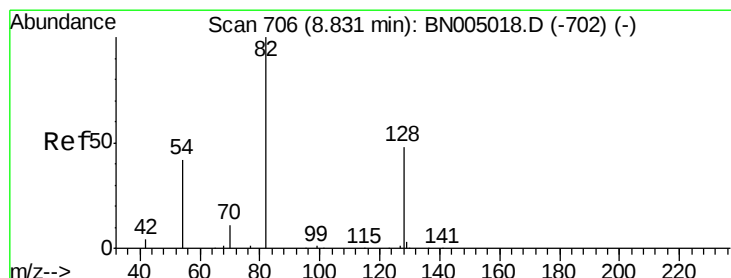
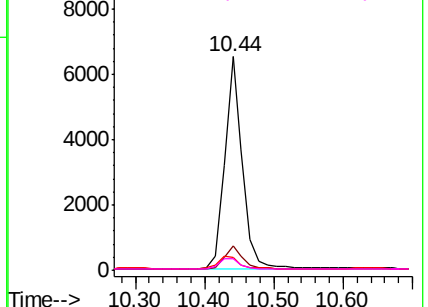
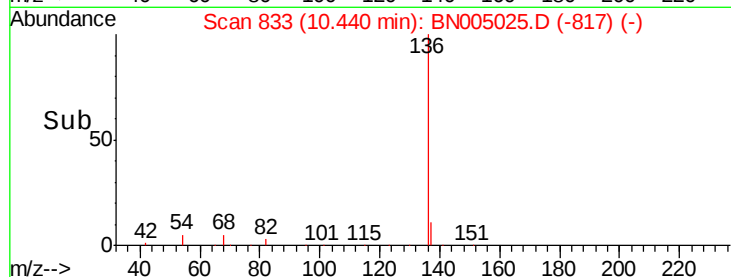


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.387 ng

RT: 8.82 min Scan# 705

Delta R.T. -0.01 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

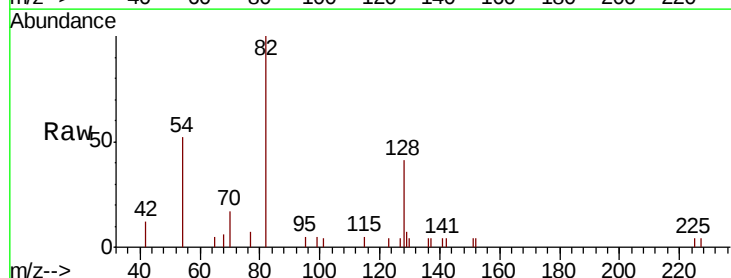
Tgt Ion: 82 Resp: 2603

Ion Ratio Lower Upper

82 100

128 40.7 40.5 60.7

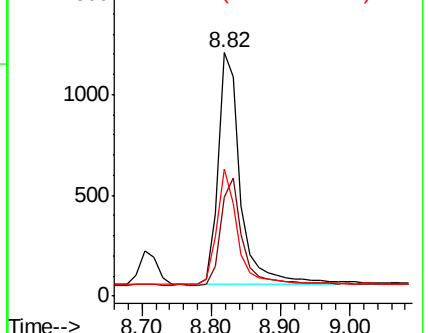
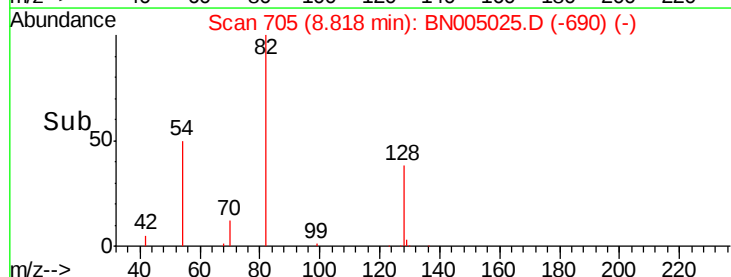
54 52.1 35.7 53.5

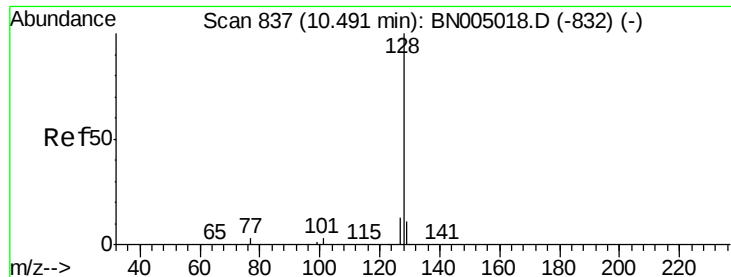


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.401 ng

RT: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

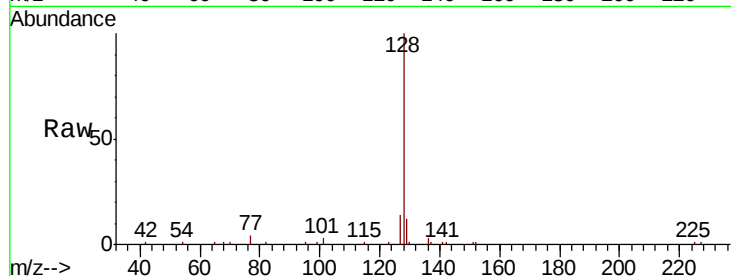
Tot Ion:128 Resp: 11701

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

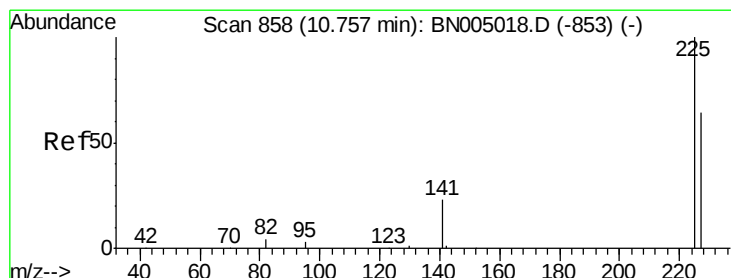
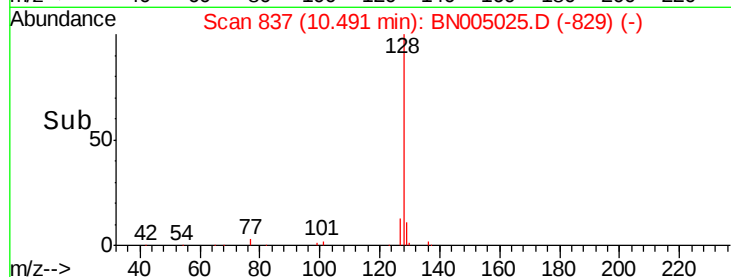
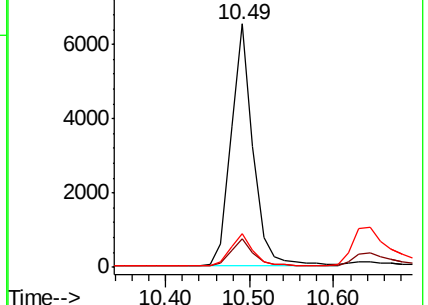
127 13.9 11.0 16.6



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: 0.403 ng

RT: 10.76 min Scan# 858

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

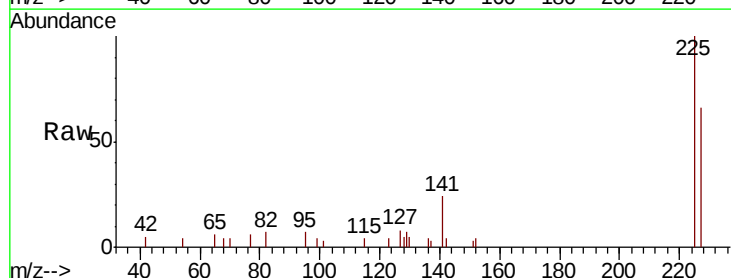
Tgt Ion:225 Resp: 2185

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

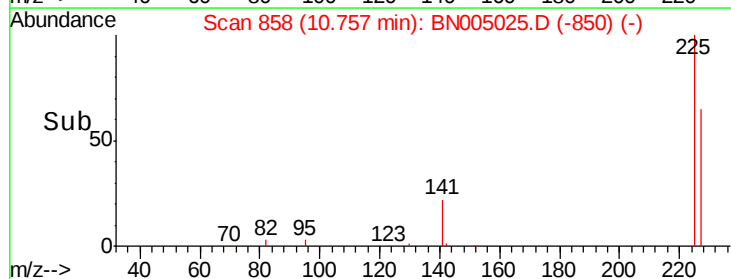
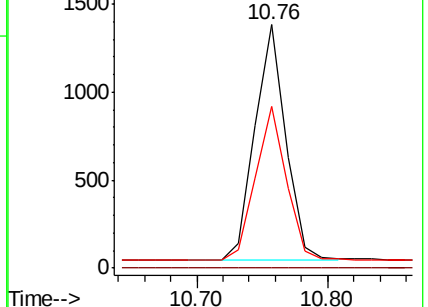
227 65.2 51.5 77.3

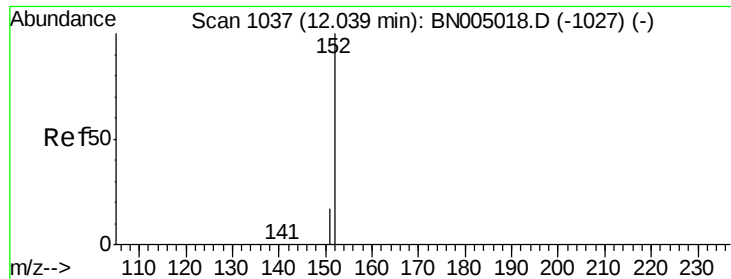


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

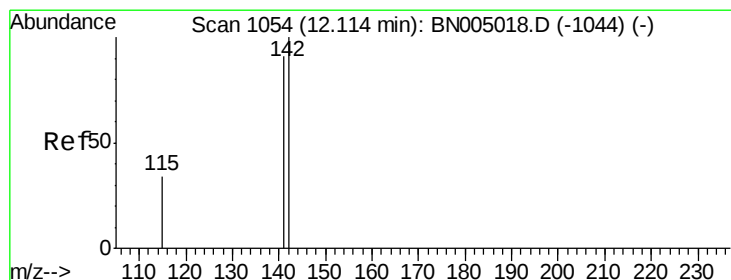
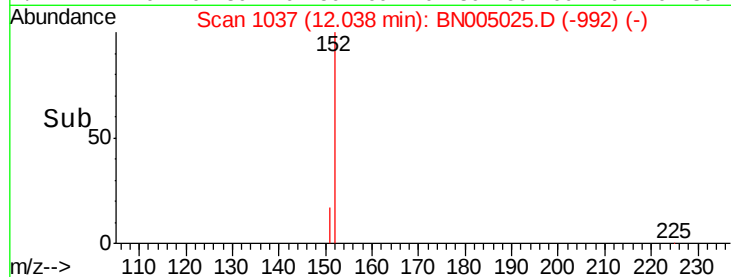
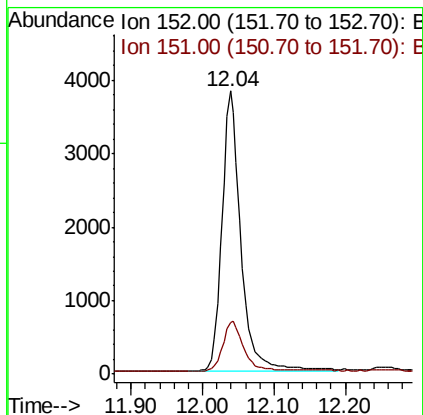
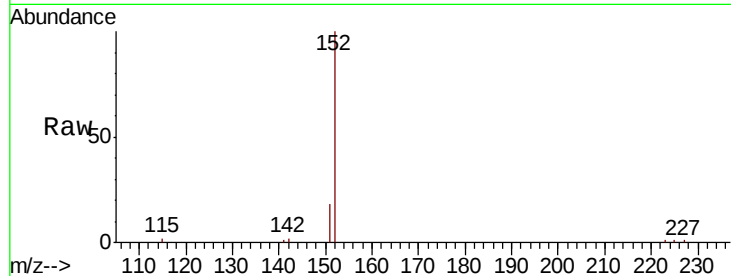




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.391 ng  
 RT: 12.04 min Scan# 1037  
 Delta R.T. -0.00 min  
 Lab File: BN005025.D  
 Acq: 29 Mar 2019 08:46

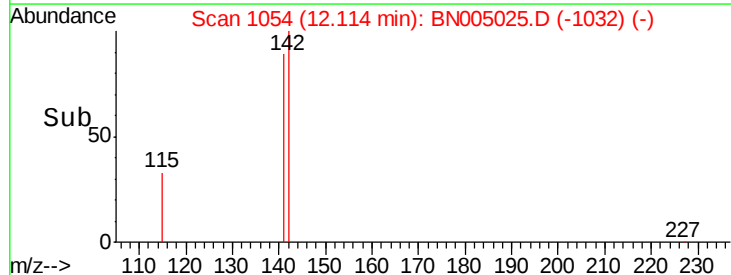
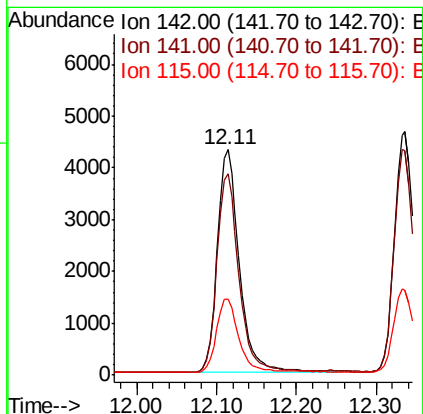
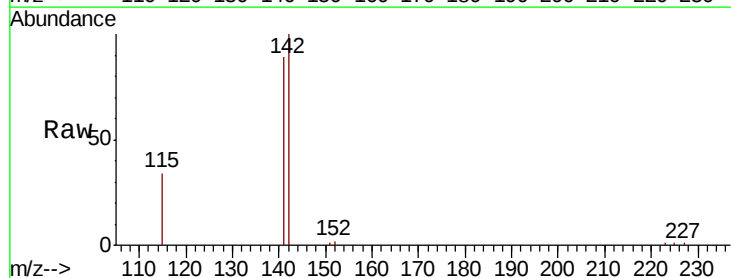
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

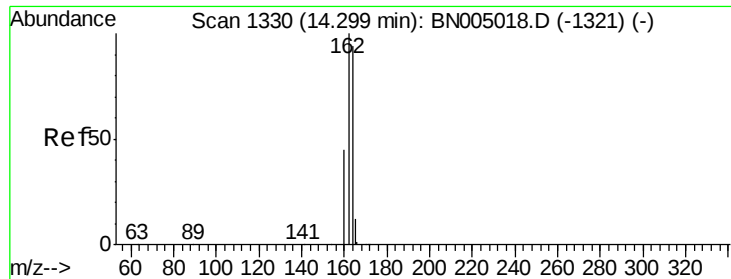
Tot Ion:152 Resp: 7035  
 Ion Ratio Lower Upper  
 152 100  
 151 19.4 15.3 22.9



#12  
 2-Methylnaphthalene  
 Concen: 0.390 ng  
 RT: 12.11 min Scan# 1054  
 Delta R.T. -0.00 min  
 Lab File: BN005025.D  
 Acq: 29 Mar 2019 08:46

Tgt Ion:142 Resp: 8203  
 Ion Ratio Lower Upper  
 142 100  
 141 89.3 72.6 108.8  
 115 33.6 27.8 41.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

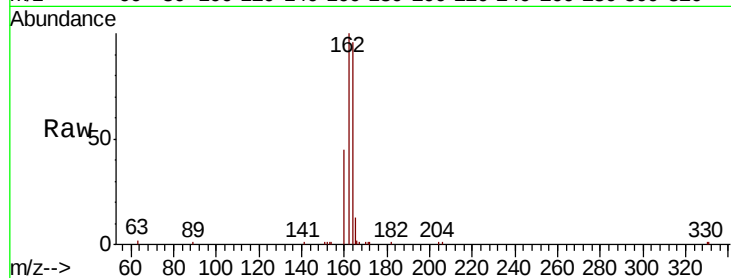
Tot Ion:164 Resp: 6747

Ion Ratio Lower Upper

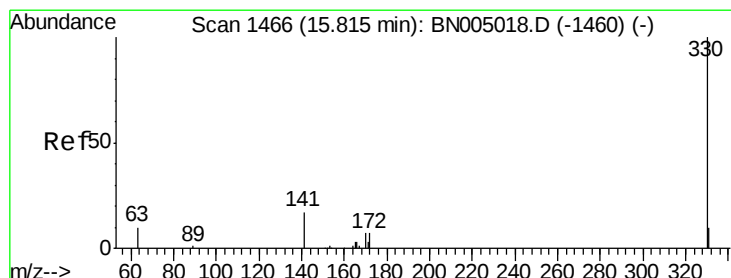
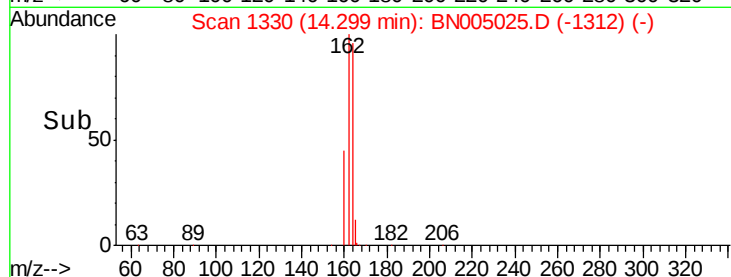
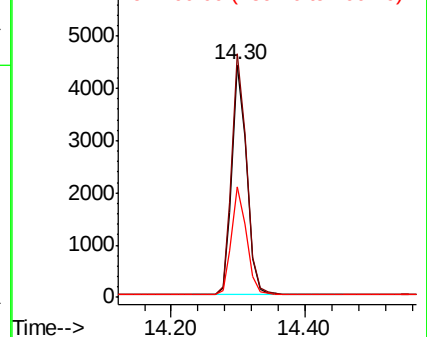
164 100

162 104.6 85.3 127.9

160 47.5 39.2 58.8



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: 0.350 ng

RT: 15.81 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

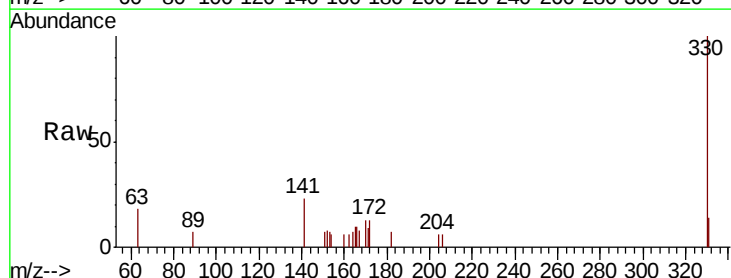
Tgt Ion:330 Resp: 1326

Ion Ratio Lower Upper

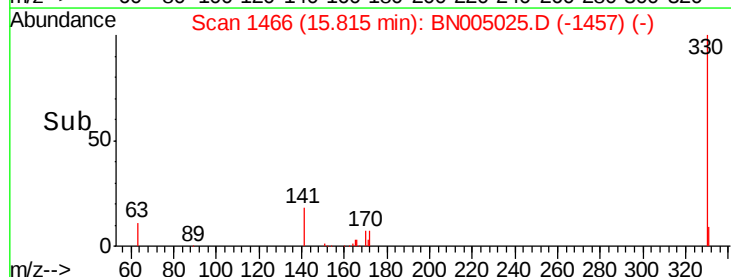
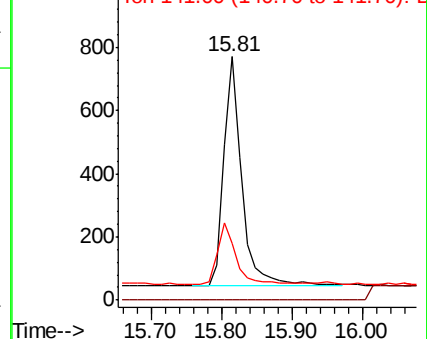
330 100

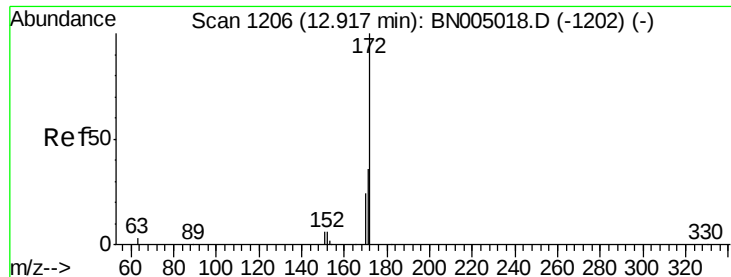
332 0.0 0.0 0.0

141 25.8 21.3 31.9



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

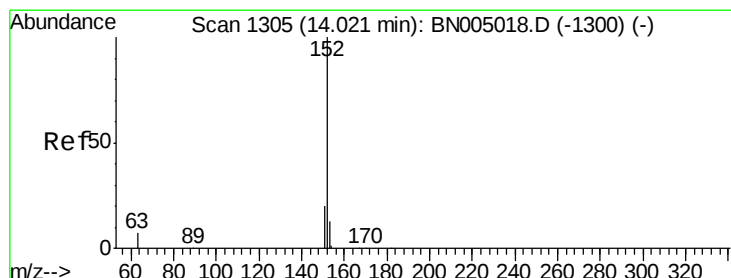
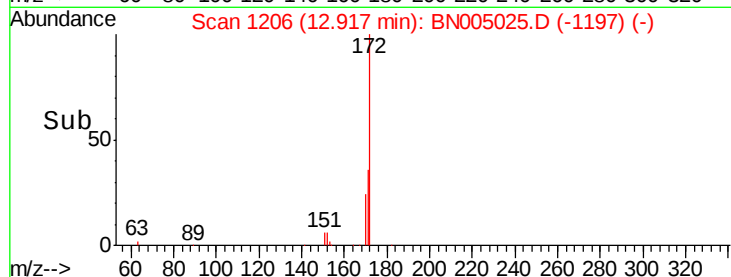
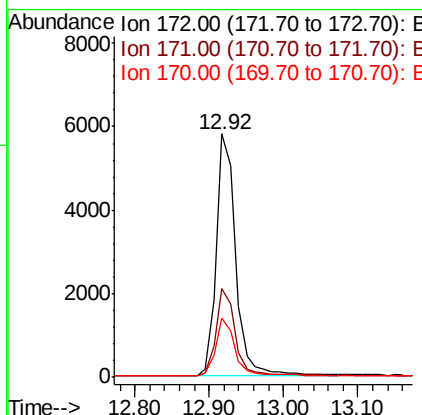
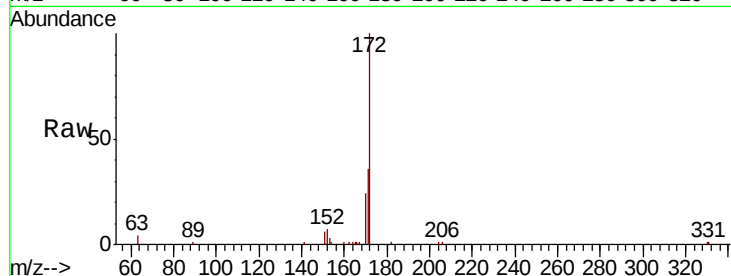




#15  
2-Fluorobiphenyl  
Concen: 0.410 ng  
RT: 12.92 min Scan# 1206  
Delta R.T. -0.00 min  
Lab File: BN005025.D  
Acq: 29 Mar 2019 08:46

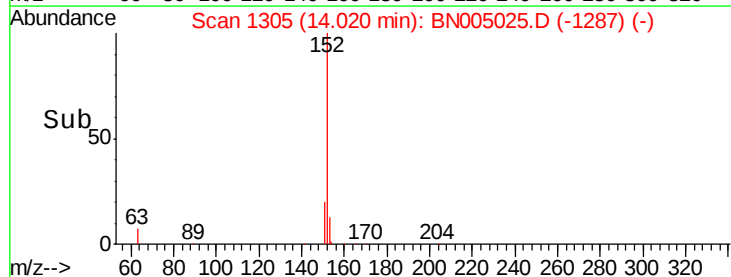
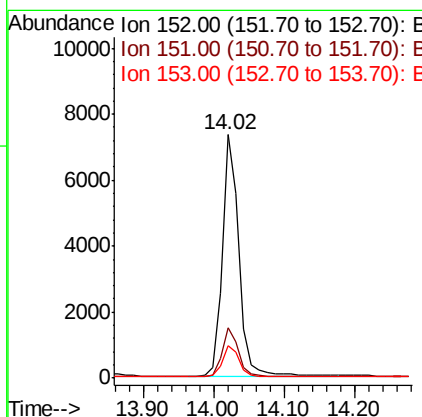
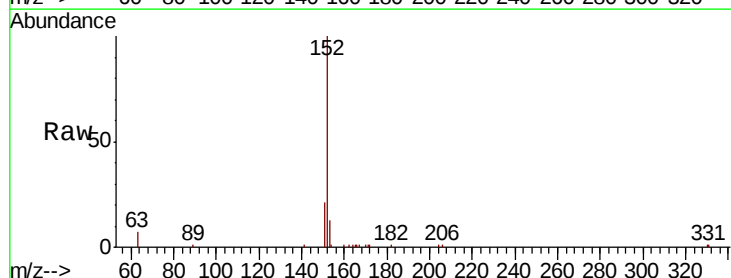
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

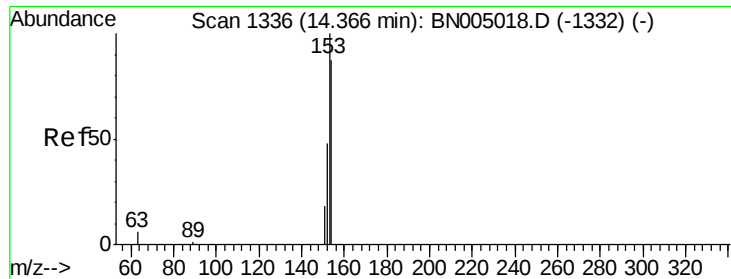
Tot Ion:172 Resp: 10434  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.4 44.0  
170 24.2 20.0 30.0



#16  
Acenaphthylene  
Concen: 0.382 ng  
RT: 14.02 min Scan# 1305  
Delta R.T. -0.00 min  
Lab File: BN005025.D  
Acq: 29 Mar 2019 08:46

Tgt Ion:152 Resp: 12166  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.8 23.6  
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.399 ng

RT: 14.37 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

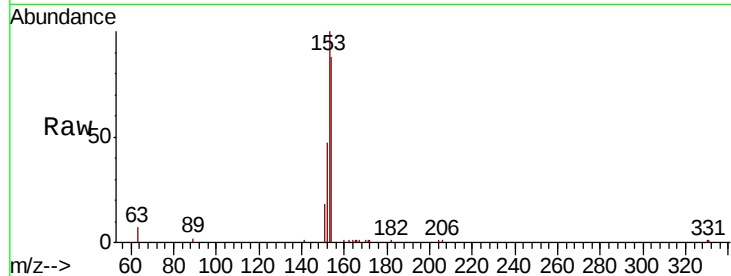
Tot Ion:154 Resp: 8066

Ion Ratio Lower Upper

154 100

153 114.7 92.1 138.1

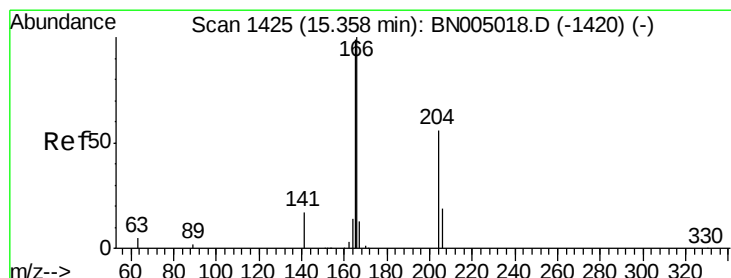
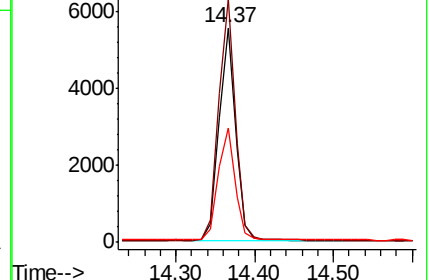
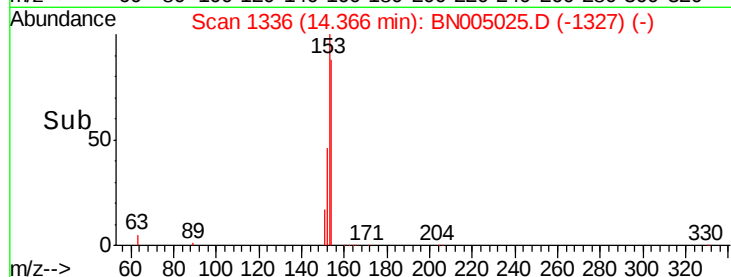
152 54.6 44.2 66.2



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: 0.397 ng

RT: 15.36 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

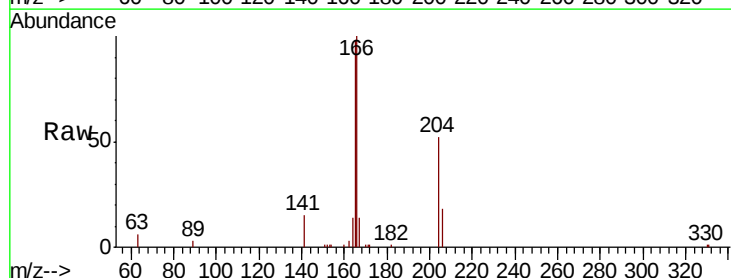
Tgt Ion:166 Resp: 10776

Ion Ratio Lower Upper

166 100

165 98.5 78.7 118.1

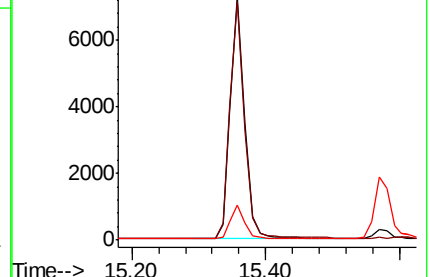
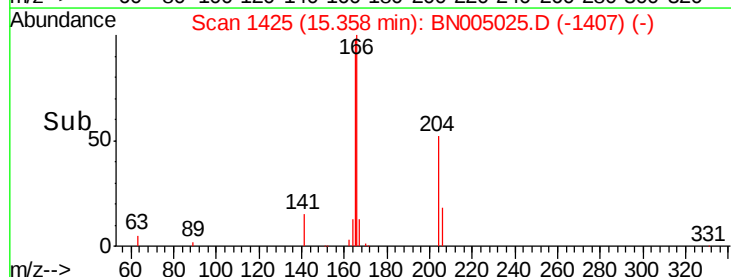
167 13.5 10.9 16.3

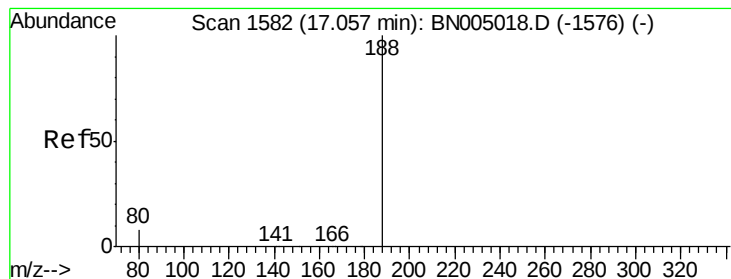


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.06 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

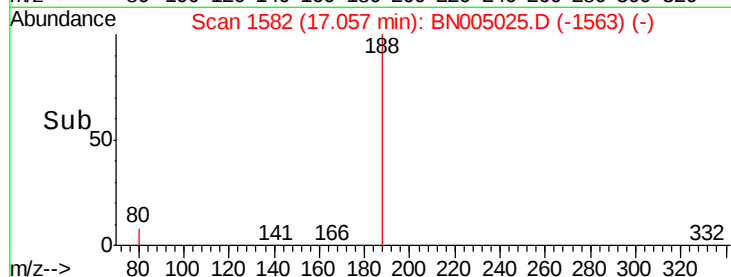
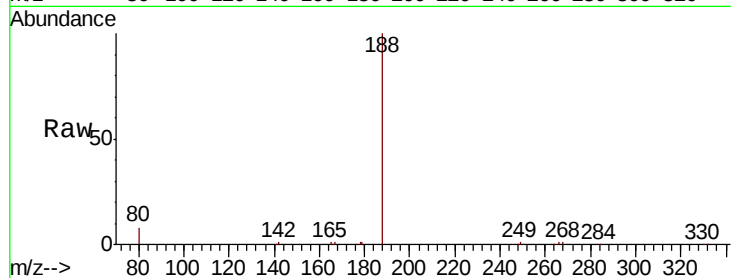
Tot Ion:188 Resp: 16295

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

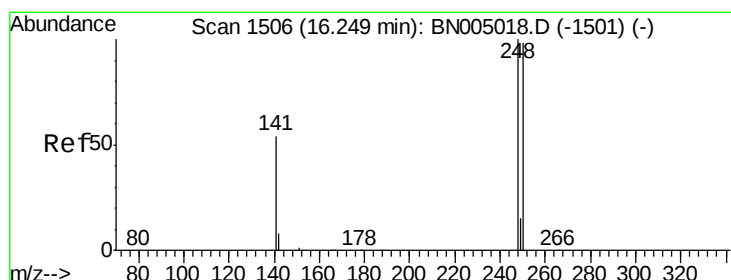
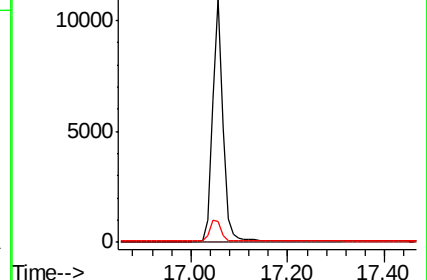
80 8.3 6.9 10.3



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: 0.390 ng

RT: 16.25 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

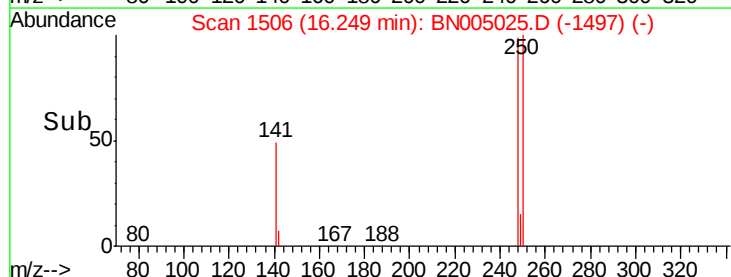
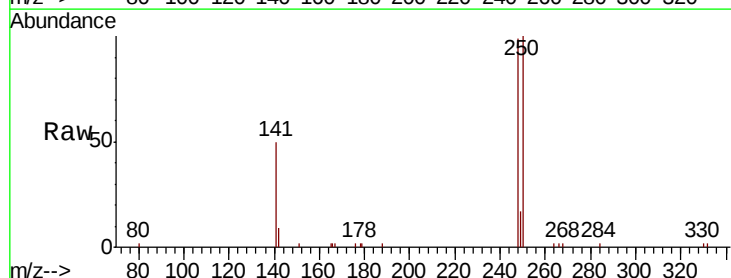
Tgt Ion:248 Resp: 3635

Ion Ratio Lower Upper

248 100

250 101.4 78.6 117.8

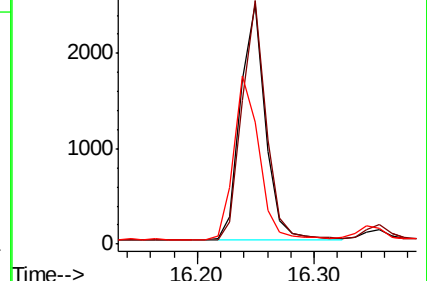
141 51.0 43.6 65.4

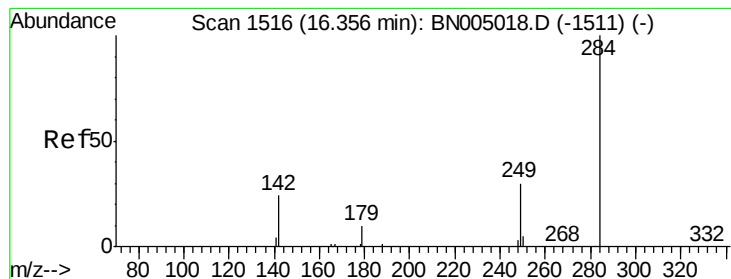


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.397 ng

RT: 16.36 min Scan# 1516

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

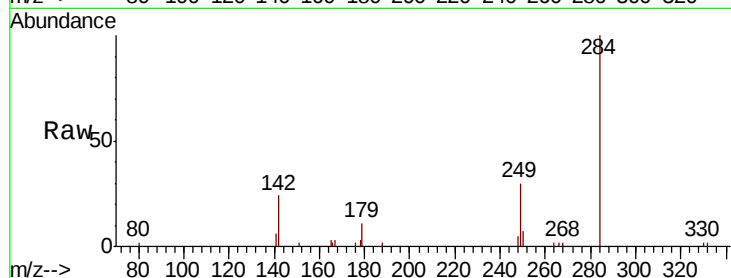
Tot Ion:284 Resp: 4087

Ion Ratio Lower Upper

284 100

142 30.7 24.9 37.3

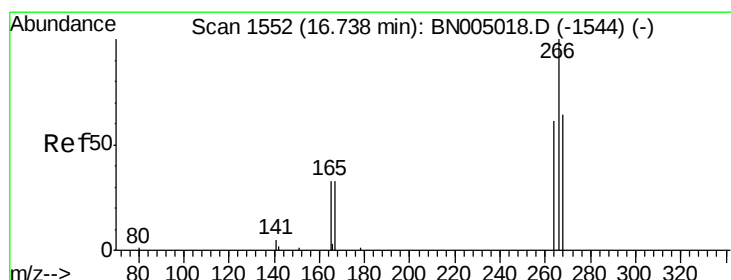
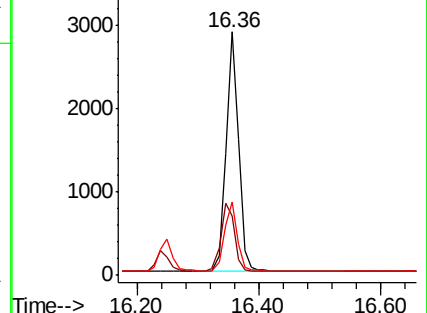
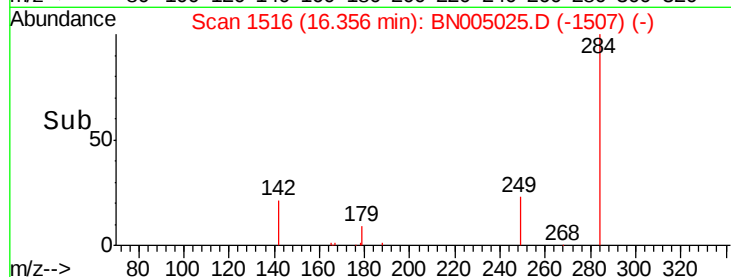
249 29.0 23.8 35.6



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: 0.380 ng

RT: 16.74 min Scan# 1552

Delta R.T. 0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

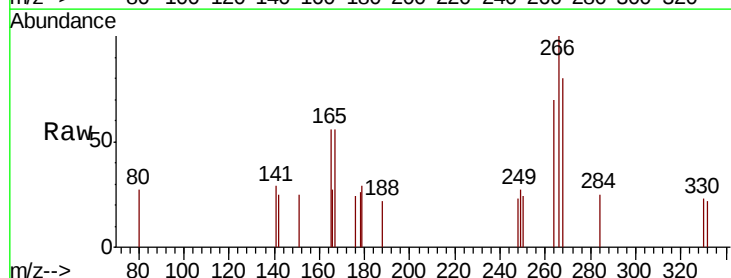
Tgt Ion:266 Resp: 619

Ion Ratio Lower Upper

266 100

264 70.1 53.4 80.0

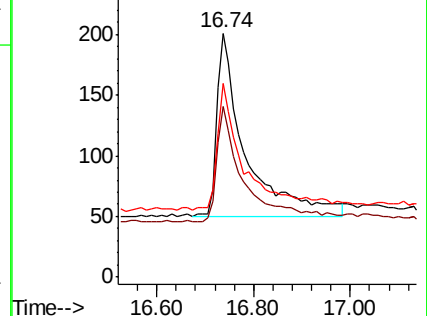
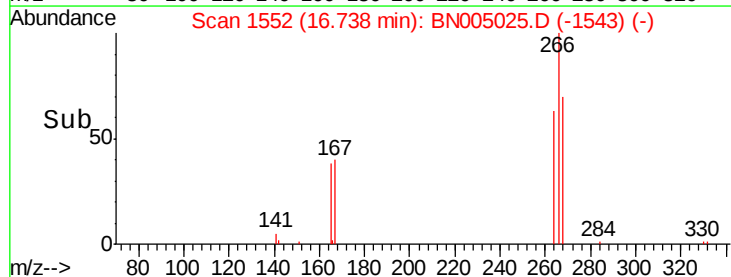
268 79.6 58.9 88.3

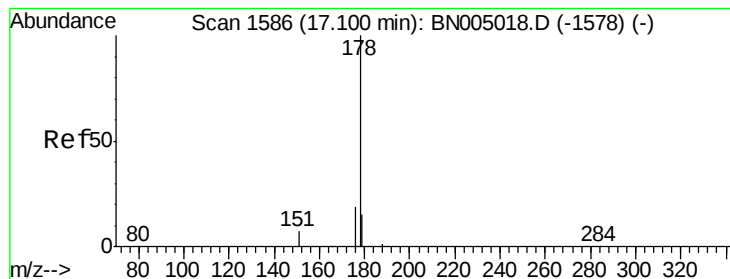


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.394 ng

RT: 17.10 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

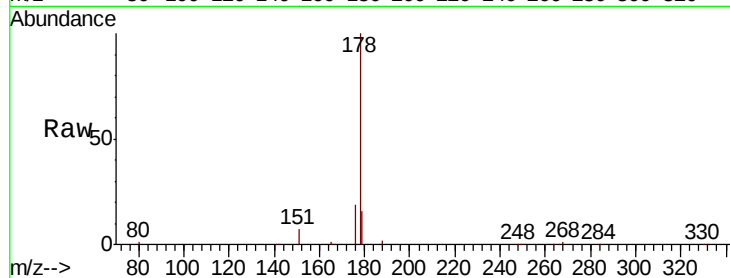
Tot Ion:178 Resp: 17990

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

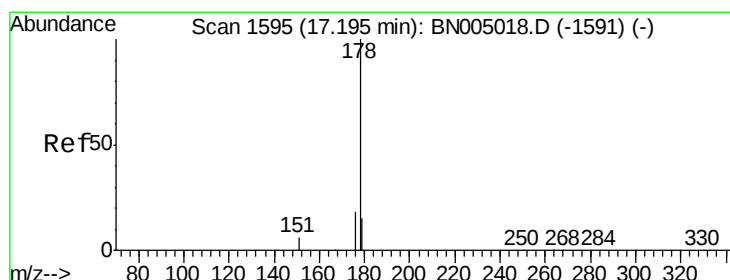
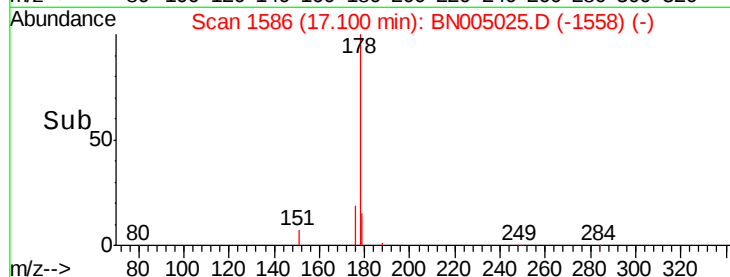
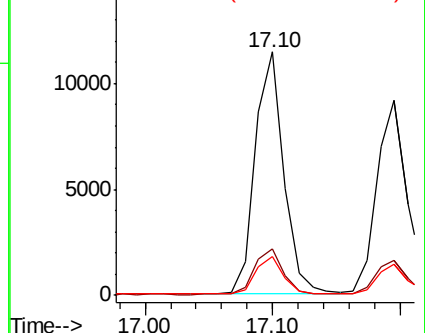
179 15.3 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.386 ng

RT: 17.20 min Scan# 1595

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

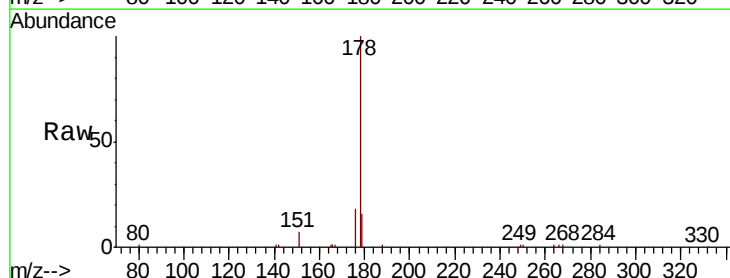
Tgt Ion:178 Resp: 15664

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

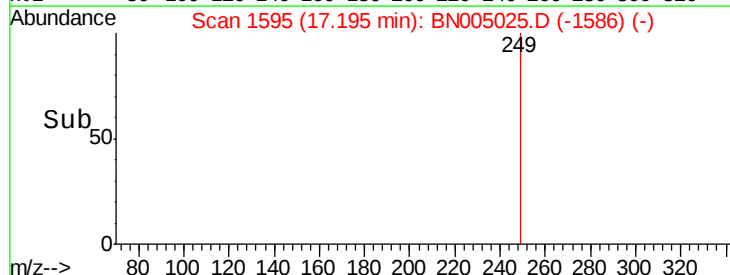
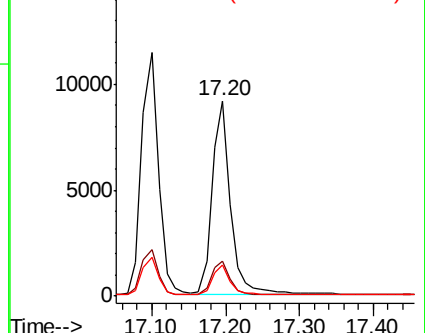
179 15.2 12.3 18.5

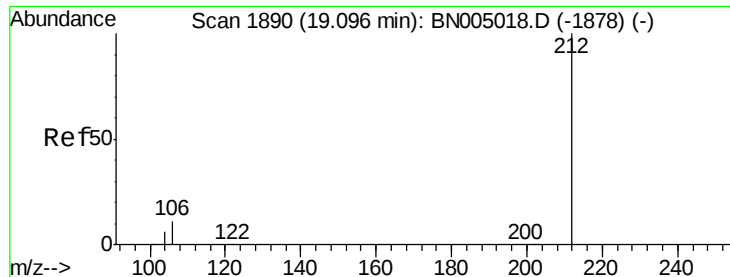


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

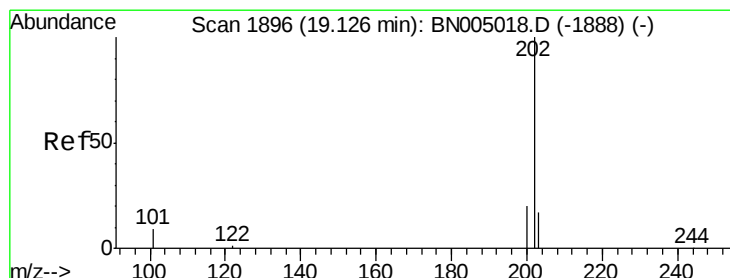
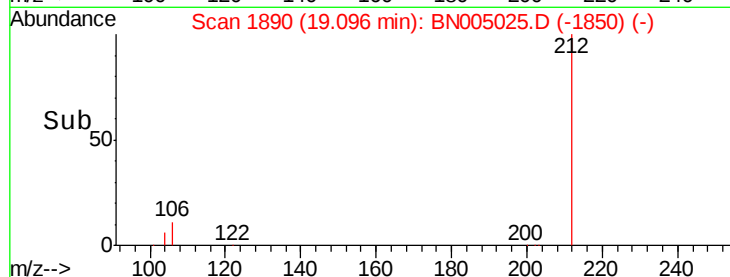
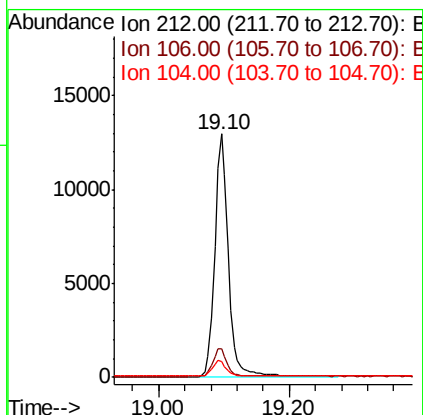
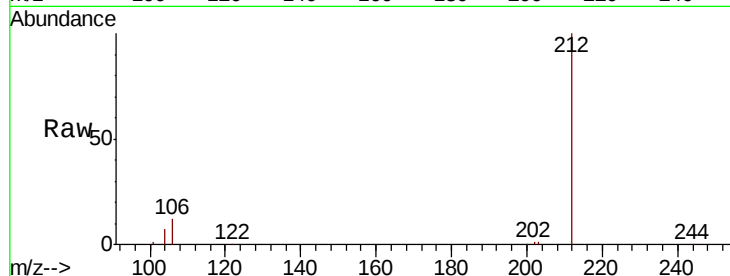




#25  
 Fluoranthene-d10  
 Concen: 0.399 ng  
 RT: 19.10 min Scan# 1890  
 Delta R.T. -0.00 min  
 Lab File: BN005025.D  
 Acq: 29 Mar 2019 08:46

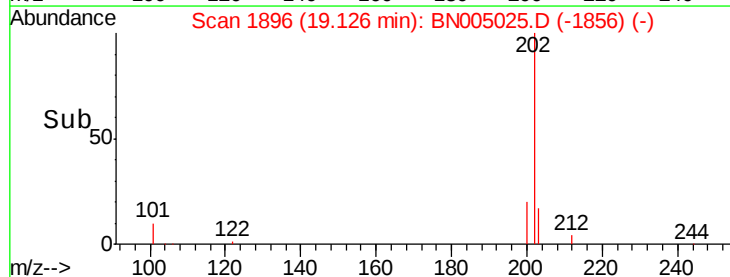
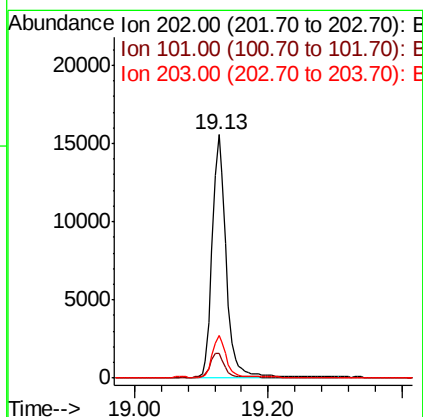
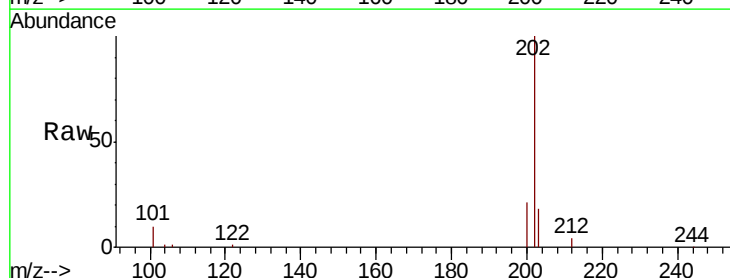
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

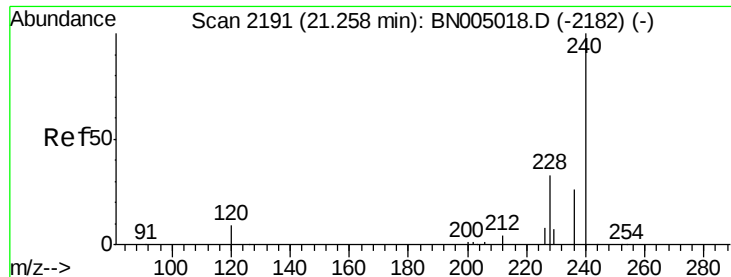
Tot Ion:212 Resp: 18567  
 Ion Ratio Lower Upper  
 212 100  
 106 11.8 9.4 14.2  
 104 6.5 5.4 8.0



#26  
 Fluoranthene  
 Concen: 0.396 ng  
 RT: 19.13 min Scan# 1896  
 Delta R.T. -0.00 min  
 Lab File: BN005025.D  
 Acq: 29 Mar 2019 08:46

Tgt Ion:202 Resp: 22120  
 Ion Ratio Lower Upper  
 202 100  
 101 10.4 8.2 12.2  
 203 17.0 13.8 20.8

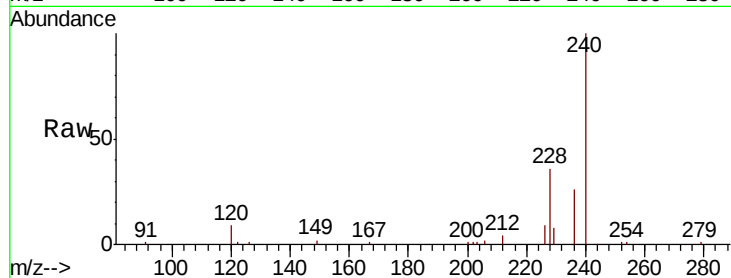




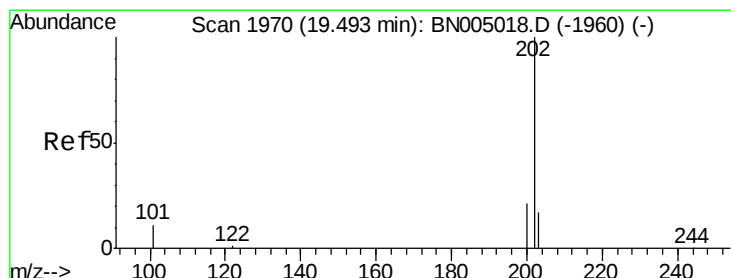
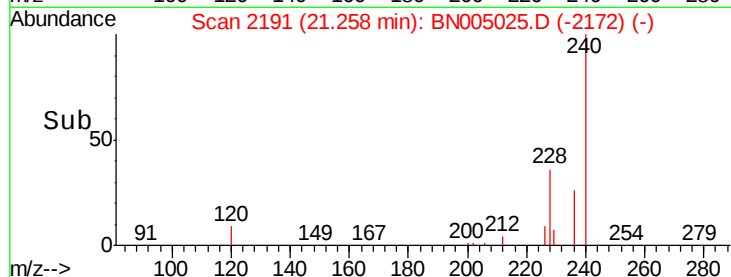
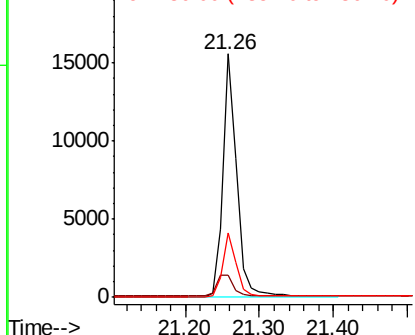
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.26 min Scan# 2191  
Delta R.T. -0.00 min  
Lab File: BN005025.D  
Acq: 29 Mar 2019 08:46

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:240 Resp: 20631  
Ion Ratio Lower Upper  
240 100  
120 9.2 7.4 11.0  
236 26.3 21.0 31.6

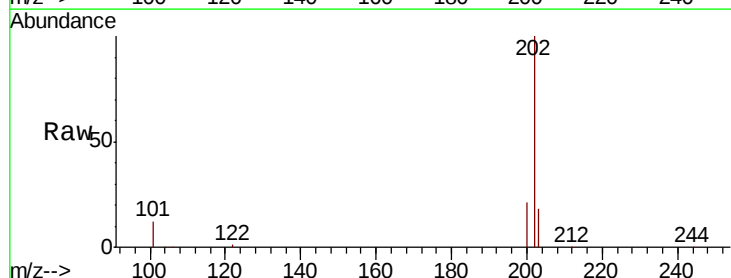


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

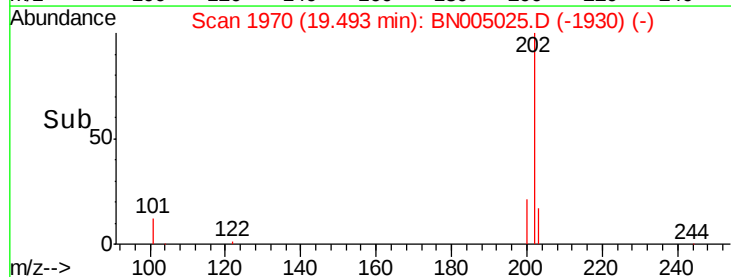
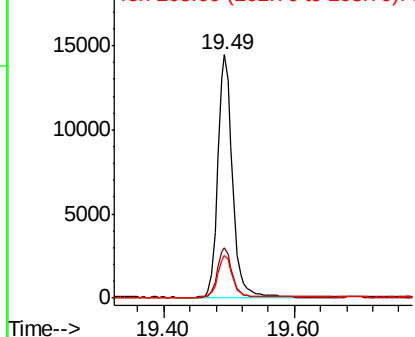


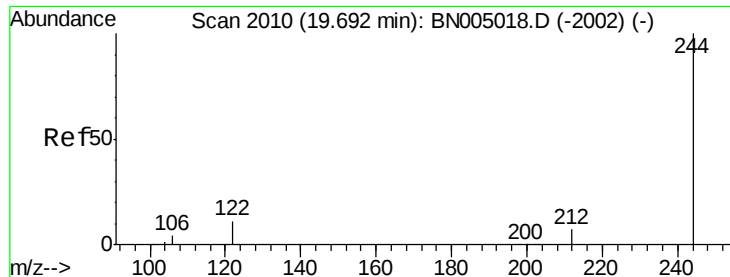
#28  
Pyrene  
Concen: 0.384 ng  
RT: 19.49 min Scan# 1970  
Delta R.T. -0.00 min  
Lab File: BN005025.D  
Acq: 29 Mar 2019 08:46

Tgt Ion:202 Resp: 22514  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.5 24.7  
203 17.3 13.9 20.9



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: 0.372 ng

RT: 19.70 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

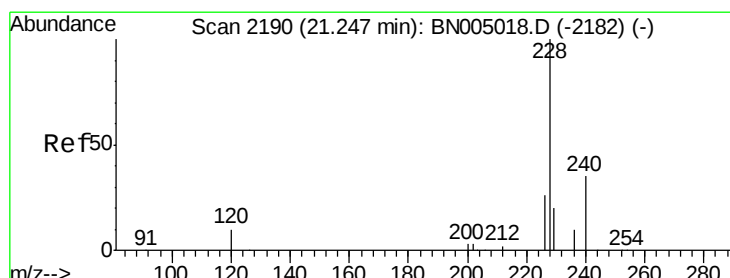
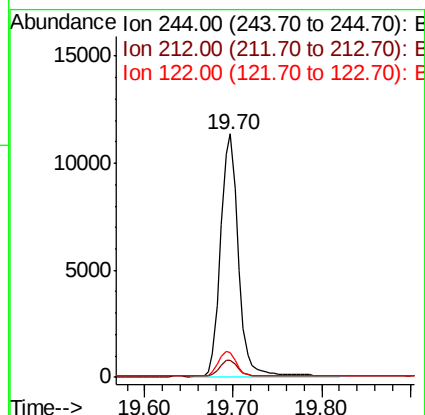
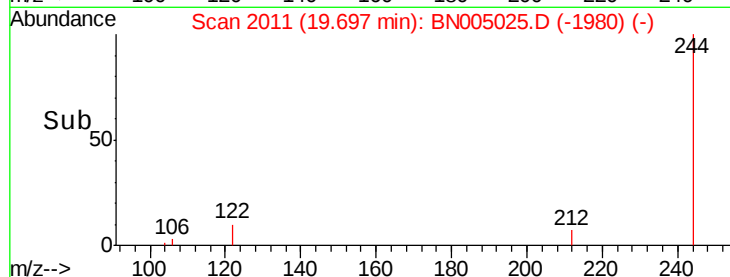
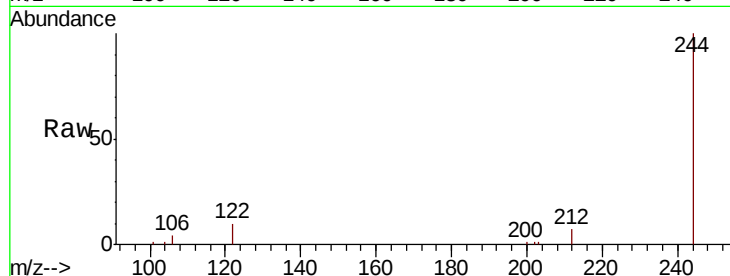
Tot Ion:244 Resp: 15776

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.2 9.0 13.4



#30

Benzo(a)anthracene

Concen: 0.381 ng

RT: 21.25 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

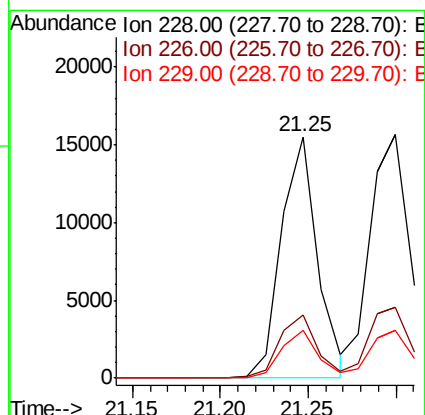
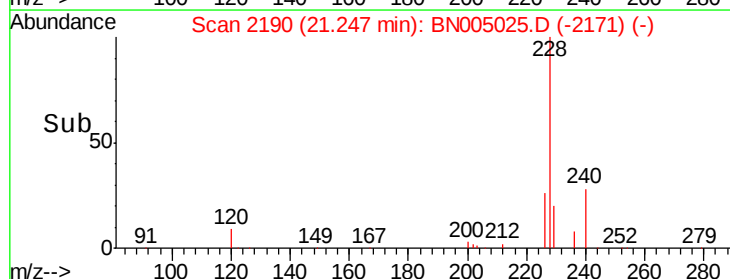
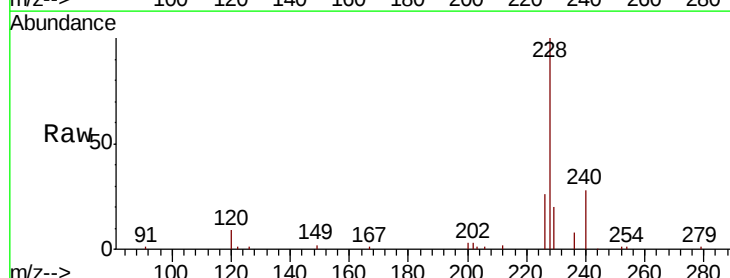
Tgt Ion:228 Resp: 22149

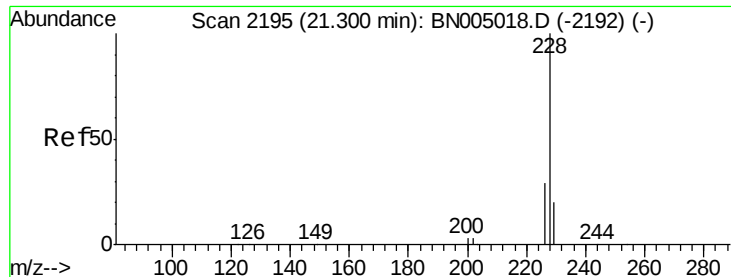
Ion Ratio Lower Upper

228 100

226 26.4 20.9 31.3

229 20.0 16.2 24.2





#31

Chrysene

Concen: 0.403 ng

RT: 21.30 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

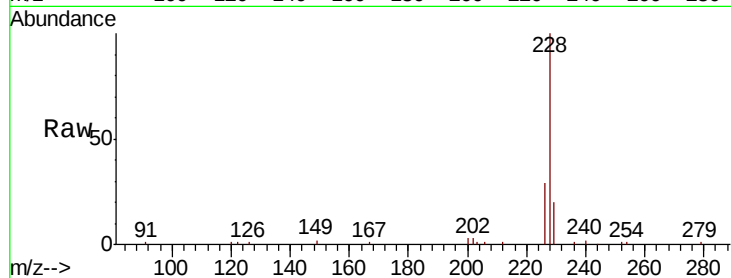
BNA\_N

ClientSampleId :

SSTDCCC0.4

Tot Ion:228 Resp: 25259

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.1  | 22.8  | 34.2  |
| 229 | 19.8  | 16.2  | 24.4  |

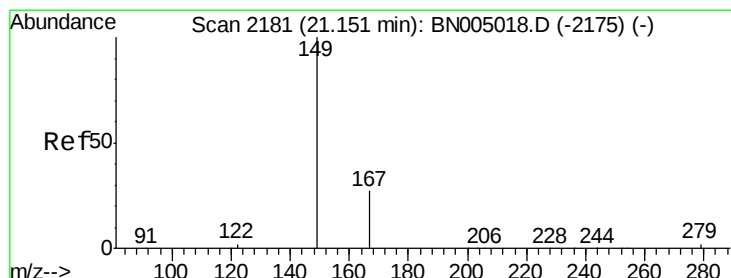
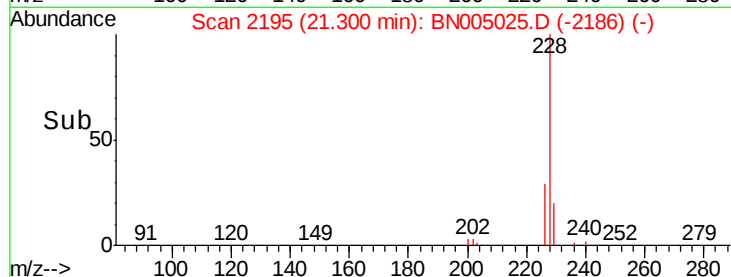
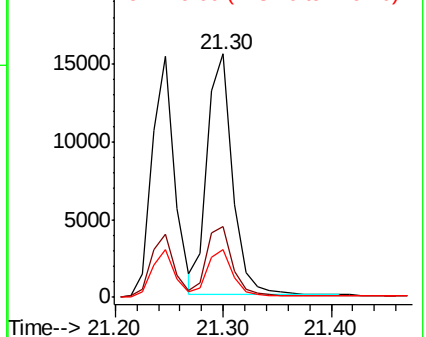


Abundance

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: 0.350 ng

RT: 21.15 min Scan# 2181

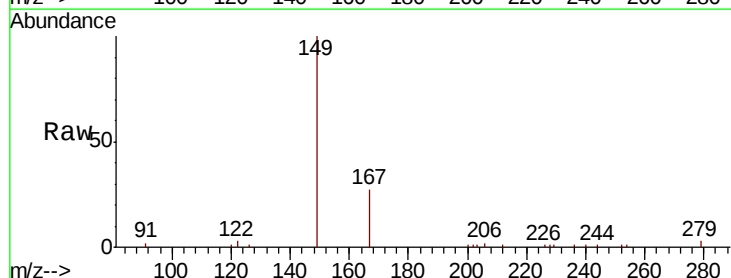
Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Tgt Ion:149 Resp: 8515

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.3  | 22.2  | 33.4  |
| 279 | 5.4   | 4.2   | 6.4   |

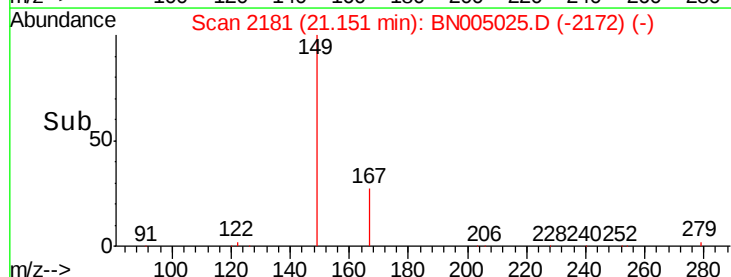
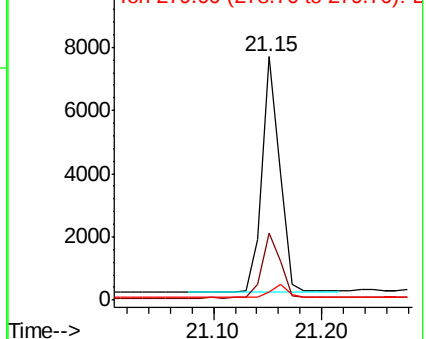


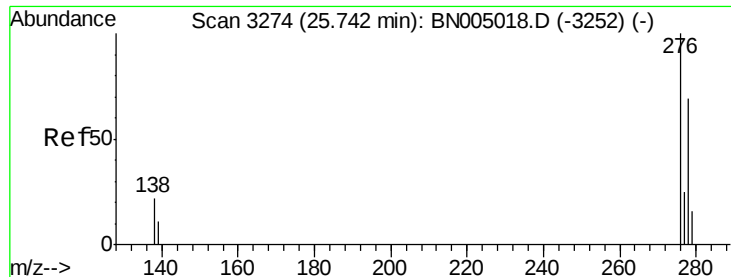
Abundance

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

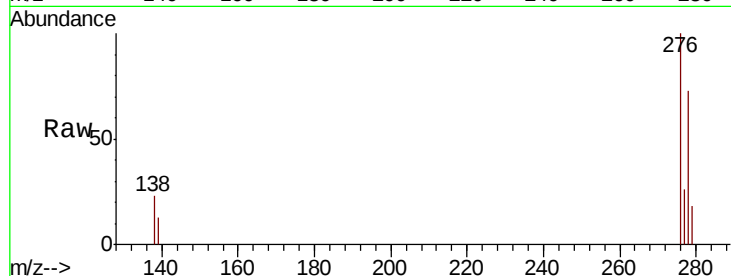




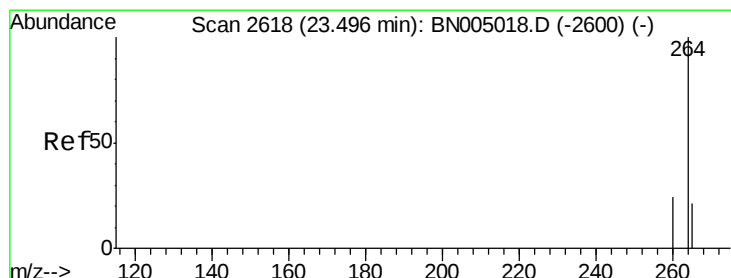
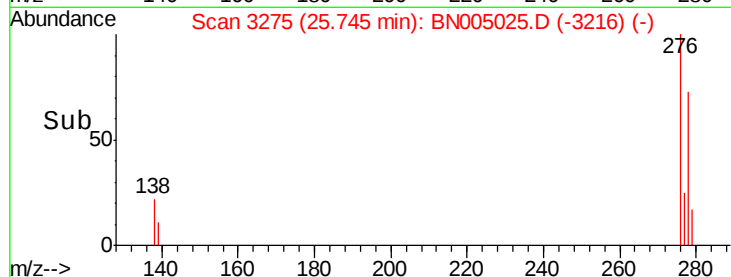
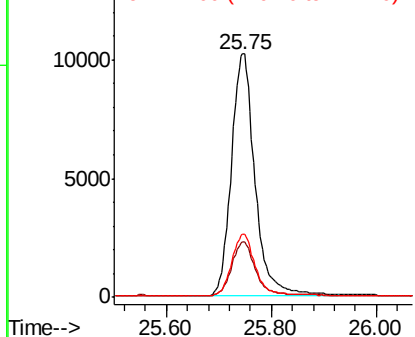
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.454 ng  
 RT: 25.75 min Scan# 3275  
 Delta R.T. 0.00 min  
 Lab File: BN005025.D  
 Acq: 29 Mar 2019 08:46

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Tot Ion:276 Resp: 31994  
 Ion Ratio Lower Upper  
 276 100  
 138 22.6 18.2 27.2  
 277 25.5 20.3 30.5

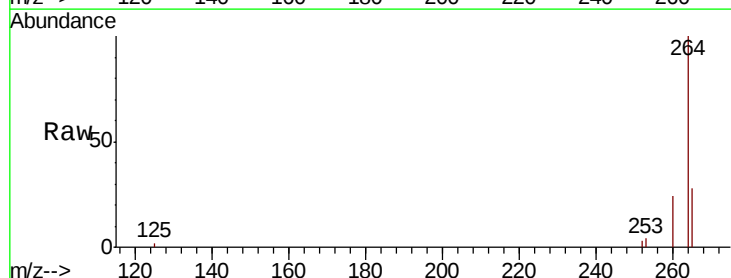


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

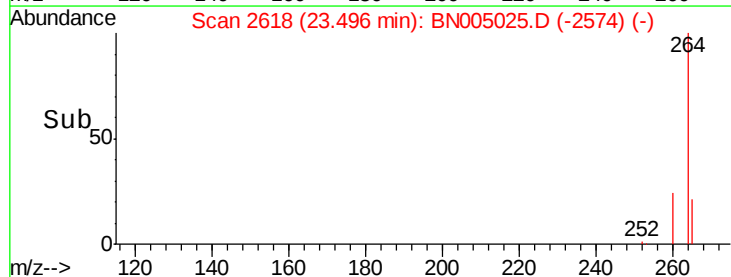
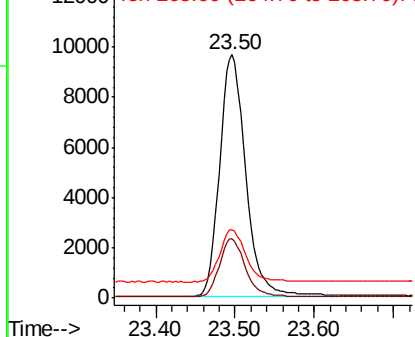


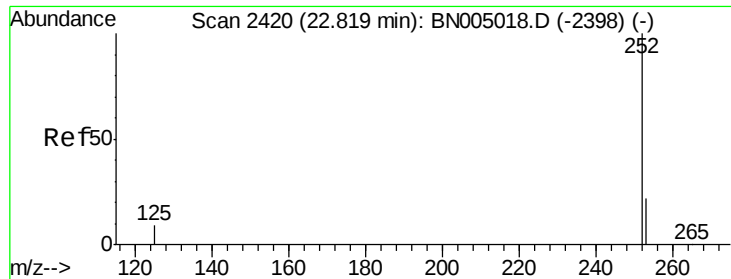
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.50 min Scan# 2618  
 Delta R.T. -0.00 min  
 Lab File: BN005025.D  
 Acq: 29 Mar 2019 08:46

Tgt Ion:264 Resp: 22040  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.0  
 265 27.8 22.5 33.7



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

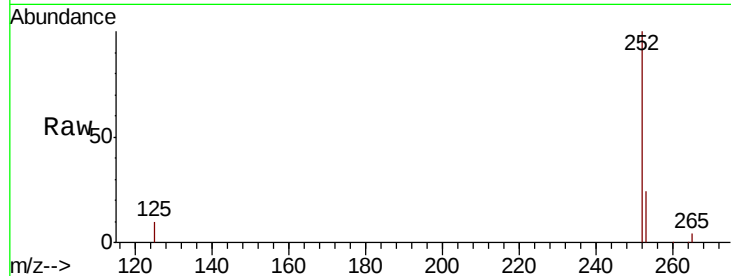




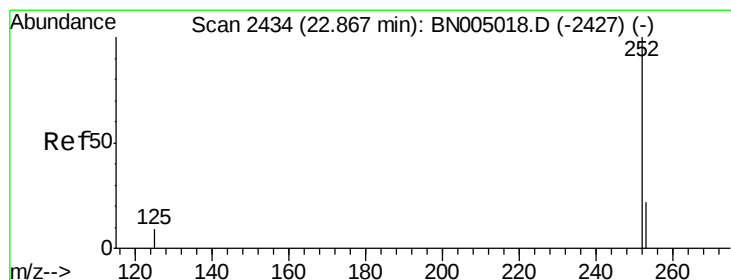
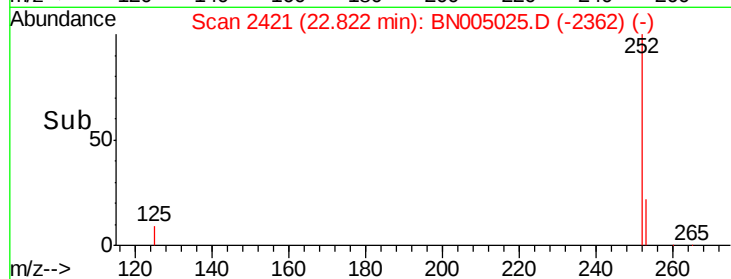
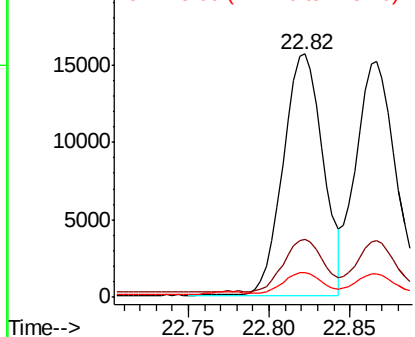
#35  
Benzo(b)fluoranthene  
Concen: 0.378 ng  
RT: 22.82 min Scan# 2421  
Delta R.T. 0.00 min  
Lab File: BN005025.D  
Acq: 29 Mar 2019 08:46

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:252 Resp: 26728  
Ion Ratio Lower Upper  
252 100  
253 23.8 19.2 28.8  
125 10.1 8.2 12.2

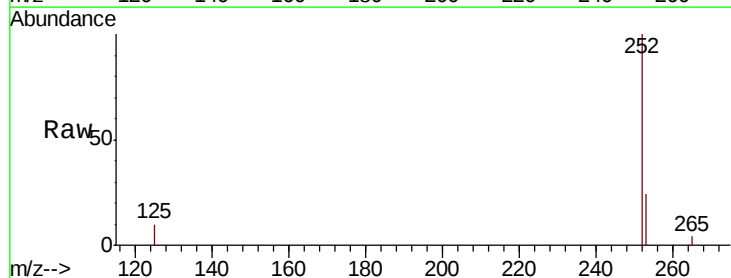


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

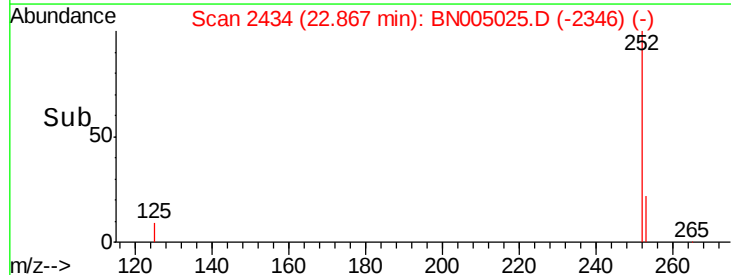
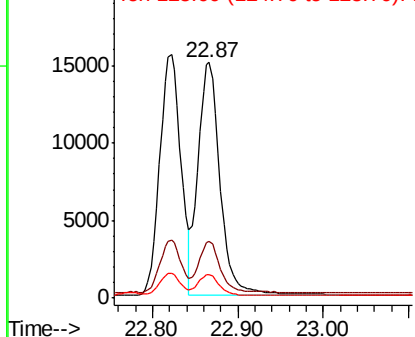


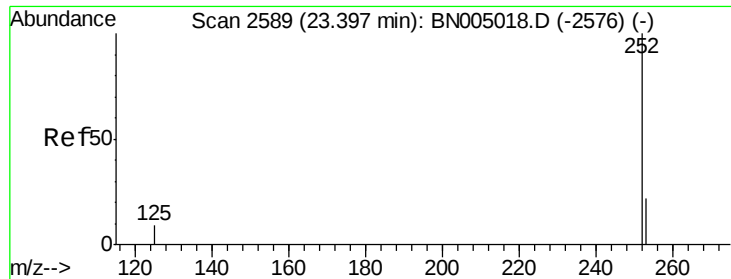
#36  
Benzo(k)fluoranthene  
Concen: 0.394 ng  
RT: 22.87 min Scan# 2434  
Delta R.T. -0.00 min  
Lab File: BN005025.D  
Acq: 29 Mar 2019 08:46

Tgt Ion:252 Resp: 26914  
Ion Ratio Lower Upper  
252 100  
253 23.9 19.3 28.9  
125 10.1 8.2 12.2



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.390 ng

RT: 23.40 min Scan# 2589

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

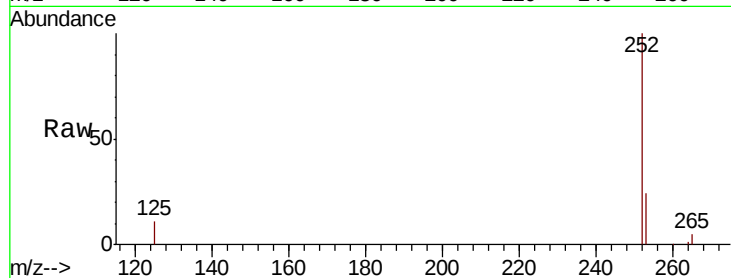
Tot Ion:252 Resp: 24498

Ion Ratio Lower Upper

252 100

253 24.4 20.2 30.2

125 11.3 9.2 13.8

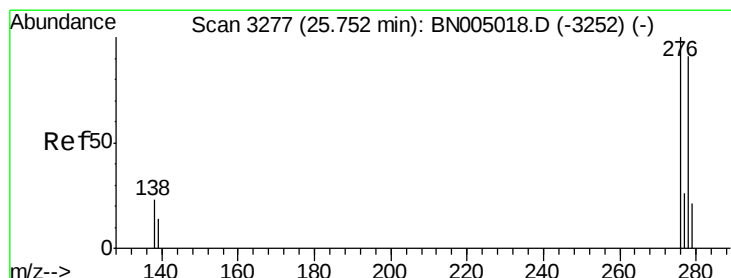
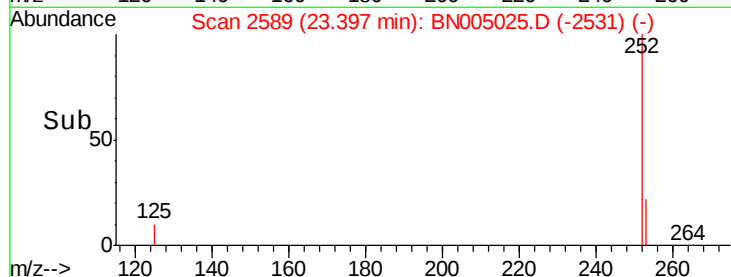
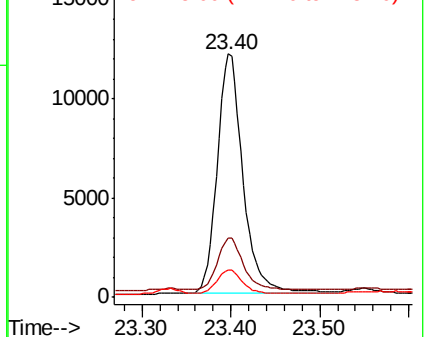


Abundance

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: 25.76 min Scan# 3278

Delta R.T. 0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

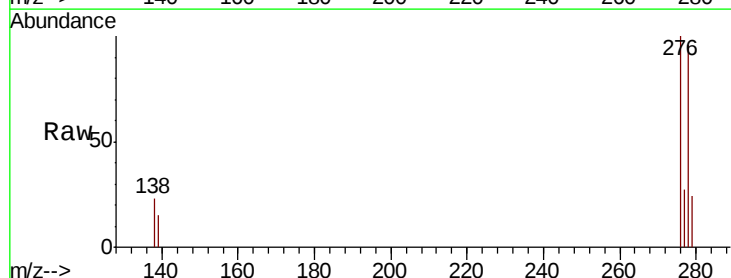
Tgt Ion:278 Resp: 25982

Ion Ratio Lower Upper

278 100

139 16.1 13.1 19.7

279 25.2 20.2 30.2

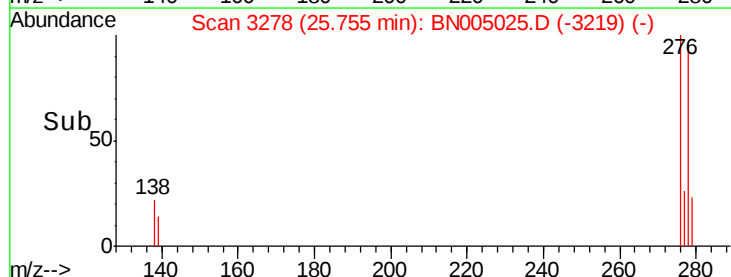
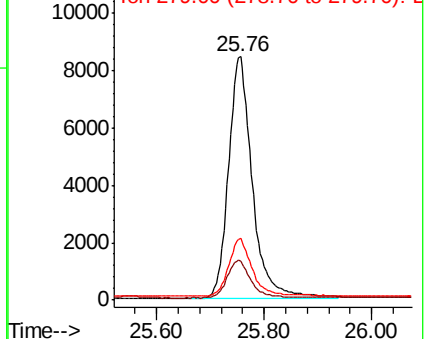


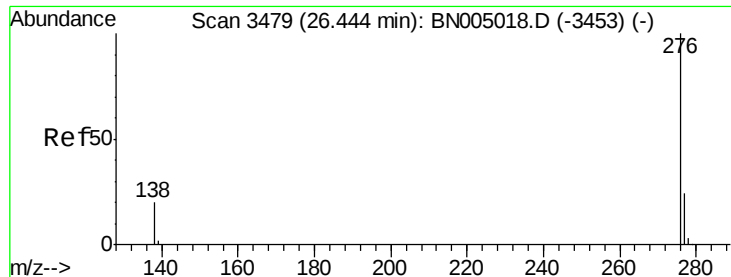
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.426 ng

RT: 26.44 min Scan# 3478

Delta R.T. -0.00 min

Lab File: BN005025.D

Acq: 29 Mar 2019 08:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

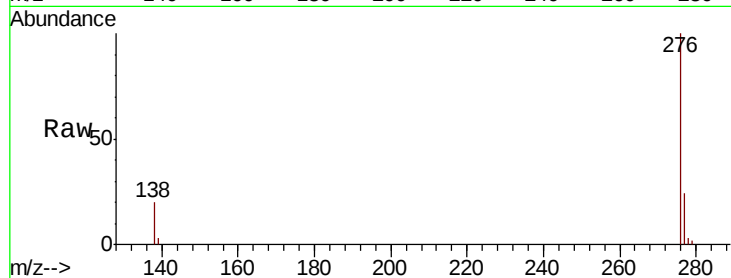
Tot Ion:276 Resp: 26982

Ion Ratio Lower Upper

276 100

277 24.3 19.8 29.6

138 20.3 16.4 24.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

