

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\  
 Data File : BN009778.D  
 Acq On : 19 Feb 2020 14:44  
 Operator : CG/JU  
 Sample : SSTDICC5.0  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Feb 19 15:56:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 19 13:45:18 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.42  | 152  | 1353     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.16 | 136  | 4137     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 2598     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.80 | 188  | 5392     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.03 | 240  | 5269     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.14 | 264  | 4889     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.07  | 112 | 13650 | 4.38 | ng | -0.02 |
| 5) Phenol-d6                | 6.61  | 99  | 17720 | 4.92 | ng | -0.03 |
| 8) Nitrobenzene-d5          | 8.55  | 82  | 18597 | 5.64 | ng | -0.04 |
| 11) 2-Methylnaphthalene-d10 | 11.76 | 152 | 39245 | 4.91 | ng | -0.03 |
| 14) 2,4,6-Tribromophenol    | 15.56 | 330 | 5547  | 5.65 | ng | -0.02 |
| 15) 2-Fluorobiphenyl        | 12.66 | 172 | 47469 | 4.88 | ng | -0.02 |
| 25) Fluoranthene-d10        | 18.84 | 212 | 91759 | 4.96 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.47 | 244 | 58785 | 4.71 | ng | -0.01 |

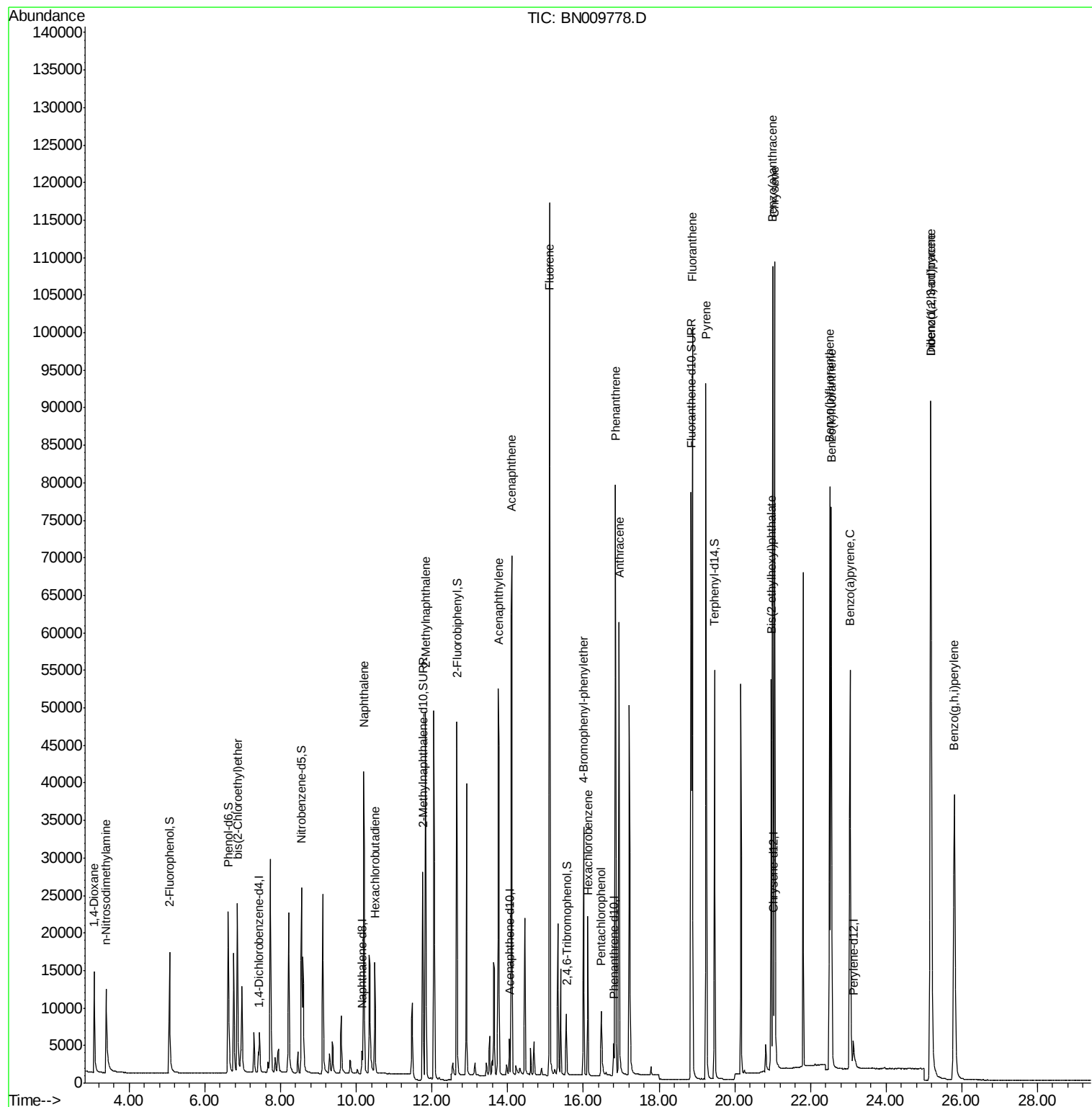
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.08  | 88  | 6076   | 4.306  | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.39  | 42  | 11880  | 5.451  | ng | # 91 |
| 6) bis(2-Chloroethyl)ether     | 6.86  | 93  | 16540  | 4.459  | ng | 92   |
| 9) Naphthalene                 | 10.20 | 128 | 53606  | 4.788  | ng | # 94 |
| 10) Hexachlorobutadiene        | 10.49 | 225 | 11374  | 4.633  | ng | # 97 |
| 12) 2-Methylnaphthalene        | 11.83 | 142 | 37763  | 4.840  | ng | 98   |
| 16) Acenaphthylene             | 13.76 | 152 | 58615  | 5.230  | ng | 99   |
| 17) Acenaphthene               | 14.11 | 154 | 37043  | 4.701  | ng | 99   |
| 18) Fluorene                   | 15.10 | 166 | 48736  | 4.746  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248 | 11163  | 3.438  | ng | # 87 |
| 21) Hexachlorobenzene          | 16.12 | 284 | 16242  | 4.699  | ng | 99   |
| 22) Pentachlorophenol          | 16.47 | 266 | 5421   | 5.585  | ng | # 83 |
| 23) Phenanthrene               | 16.85 | 178 | 78967  | 4.875  | ng | 99   |
| 24) Anthracene                 | 16.94 | 178 | 72328  | 5.318  | ng | 100  |
| 26) Fluoranthene               | 18.88 | 202 | 93884  | 4.940  | ng | 99   |
| 28) Pyrene                     | 19.25 | 202 | 92589  | 4.636  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.00 | 228 | 90969  | 5.252  | ng | 97   |
| 31) Chrysene                   | 21.06 | 228 | 91509  | 4.619  | ng | 97   |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149 | 42706  | 5.576  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.18 | 276 | 101616 | 4.931  | ng | 97   |
| 35) Benzo(b)fluoranthene       | 22.51 | 252 | 88696  | 4.932  | ng | # 84 |
| 36) Benzo(k)fluoranthene       | 22.55 | 252 | 94140  | 4.743  | ng | # 89 |
| 37) Benzo(a)pyrene             | 23.04 | 252 | 80551  | 5.089  | ng | # 80 |
| 38) Dibenzo(a,h)anthracene     | 25.19 | 278 | 82154  | 5.159  | ng | # 89 |
| 39) Benzo(g,h,i)perylene       | 25.80 | 276 | 83062  | 4.741  | ng | 95   |

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

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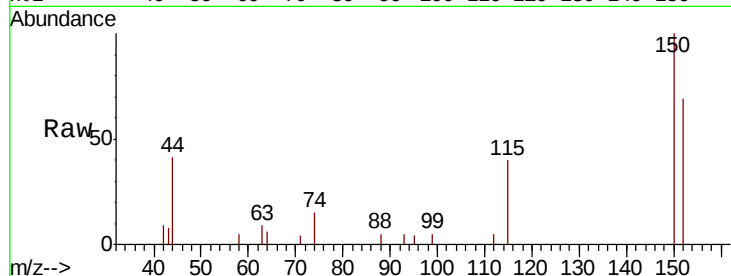


#1

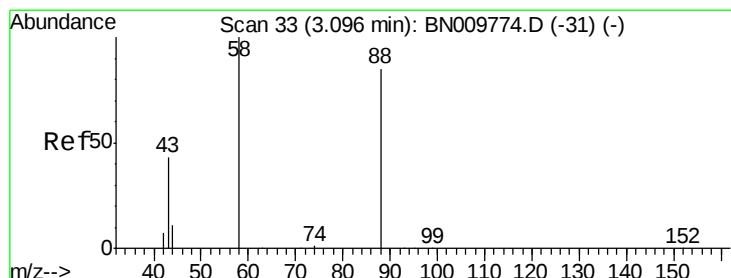
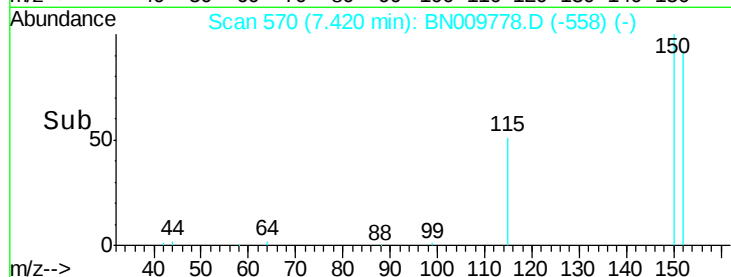
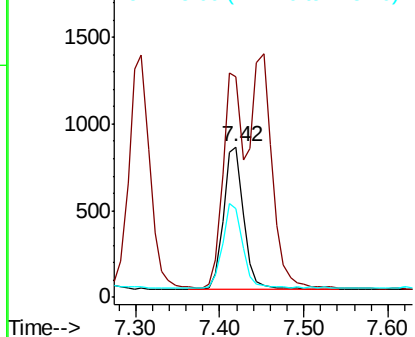
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.42 min Scan# 570  
Delta R.T. -0.00 min  
Lab File: BN009778.D  
Acq: 19 Feb 2020 14:44

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 1353  
Ion Ratio Lower Upper  
152 100  
150 146.0 120.6 181.0  
115 58.6 51.2 76.8



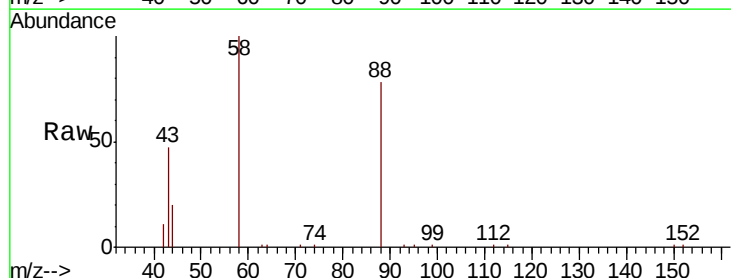
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



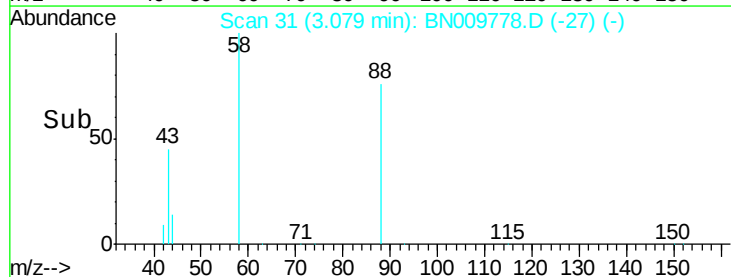
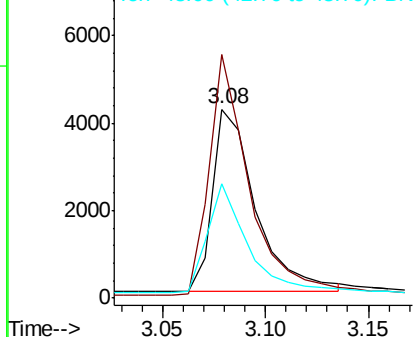
#2

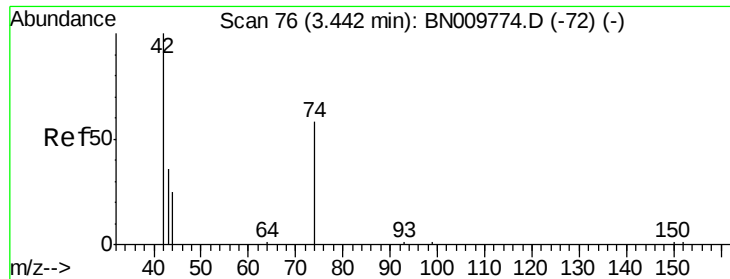
1,4-Dioxane  
Concen: 4.306 ng  
RT: 3.08 min Scan# 31  
Delta R.T. -0.02 min  
Lab File: BN009778.D  
Acq: 19 Feb 2020 14:44

Tgt Ion: 88 Resp: 6076  
Ion Ratio Lower Upper  
88 100  
58 120.7 97.8 146.8  
43 53.5 45.1 67.7



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



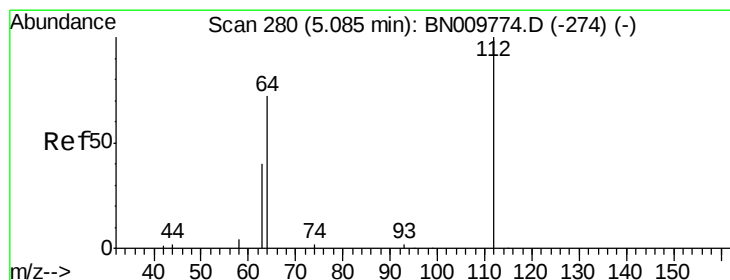
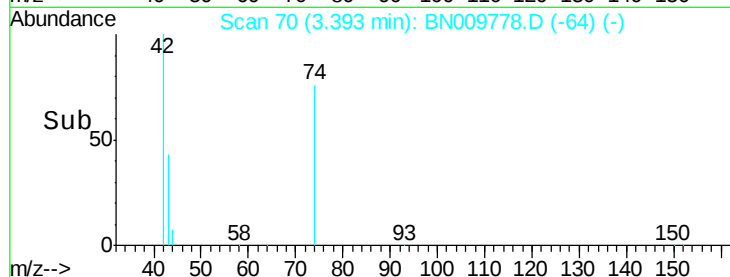
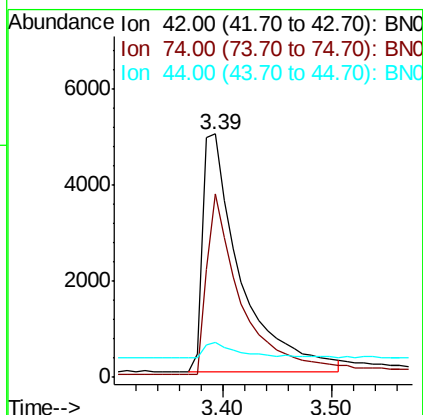
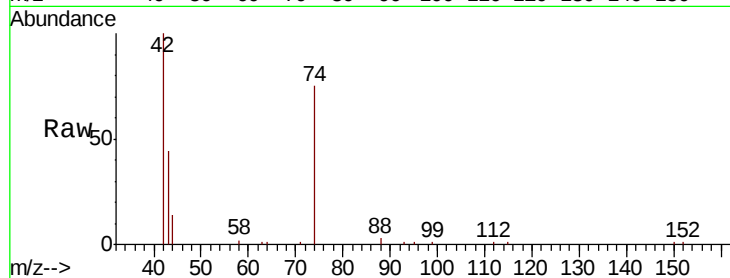


#3

n-Nitrosodimethylamine  
 Concen: 5.451 ng  
 RT: 3.39 min Scan# 70  
 Delta R.T. -0.05 min  
 Lab File: BN009778.D  
 Acq: 19 Feb 2020 14:44

Instrument :  
 BNA\_N  
 ClientSampleId :

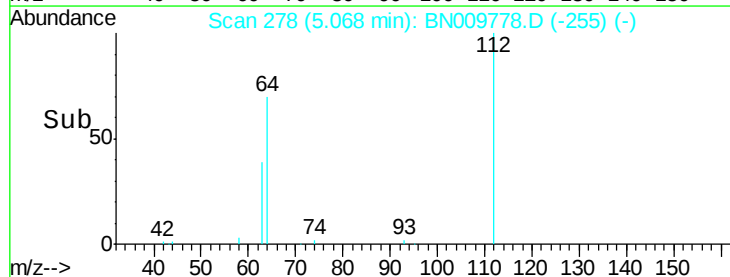
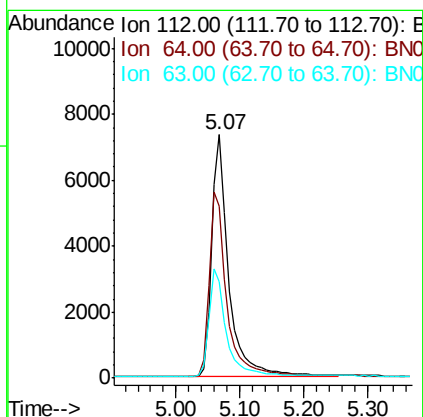
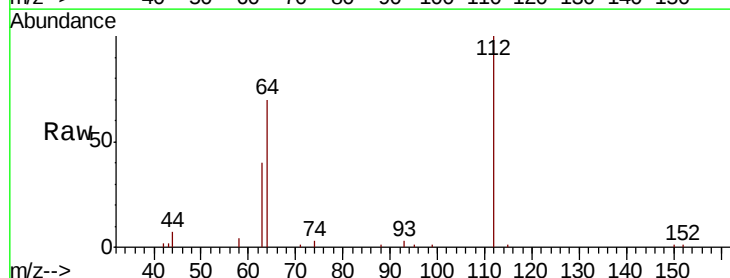
Tot Ion: 42 Resp: 11880  
 Ion Ratio Lower Upper  
 42 100  
 74 70.7 51.2 76.8  
 44 6.5 2.6 4.0#



#4

2-Fluorophenol  
 Concen: 4.383 ng  
 RT: 5.07 min Scan# 278  
 Delta R.T. -0.02 min  
 Lab File: BN009778.D  
 Acq: 19 Feb 2020 14:44

Tgt Ion: 112 Resp: 13650  
 Ion Ratio Lower Upper  
 112 100  
 64 78.6 65.8 98.6  
 63 45.0 38.7 58.1





#5

Phenol-d6

Concen: 4.917 ng

RT: 6.61 min Scan# 470

Delta R.T. -0.03 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampled :

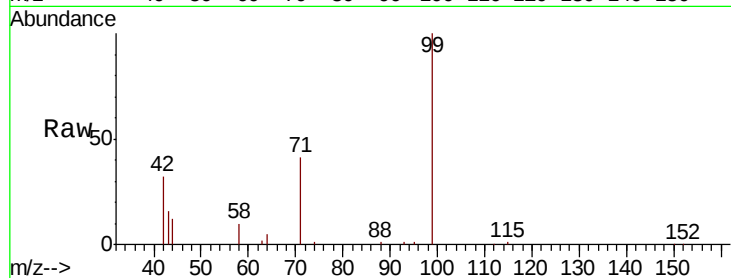
Tot Ion: 99 Resp: 17720

Ion Ratio Lower Upper

99 100

42 35.4 30.8 46.2

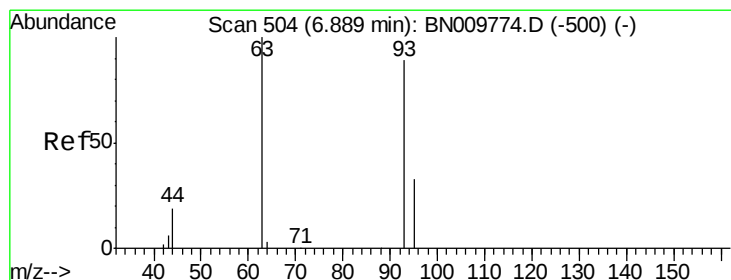
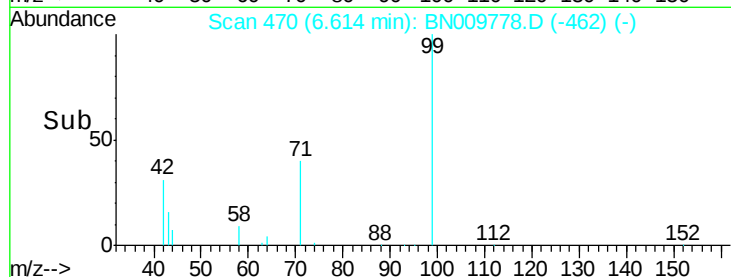
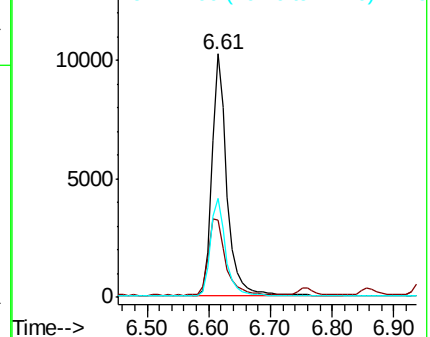
71 41.2 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN009778.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN009778.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN009778.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 4.459 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.02 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

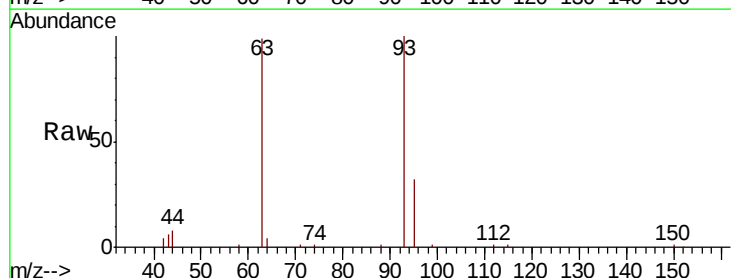
Tgt Ion: 93 Resp: 16540

Ion Ratio Lower Upper

93 100

63 101.2 74.0 111.0

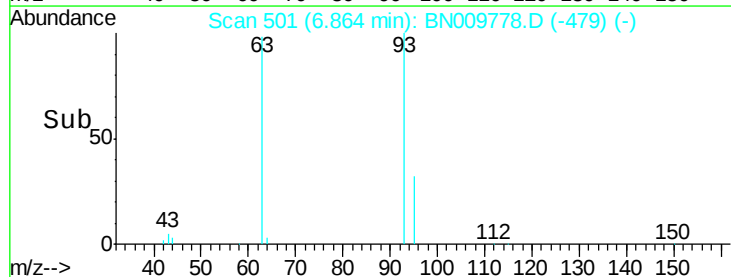
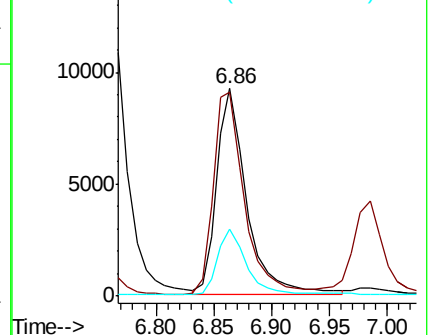
95 31.1 26.7 40.1

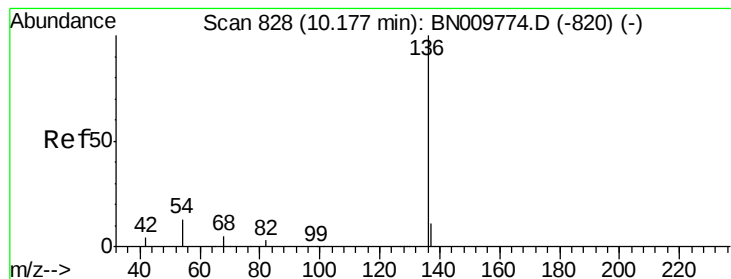


Abundance Ion 93.00 (92.70 to 93.70): BN009778.D (-479) (-)

Ion 63.00 (62.70 to 63.70): BN009778.D (-479) (-)

Ion 95.00 (94.70 to 95.70): BN009778.D (-479) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 4137

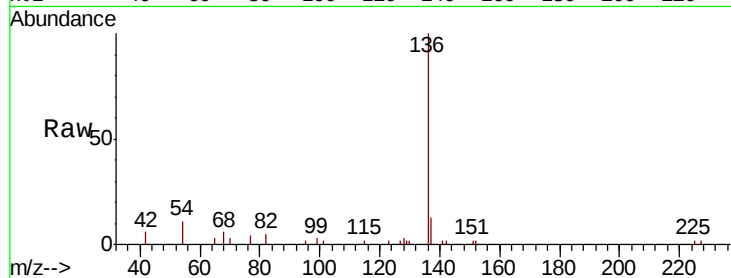
Ion Ratio Lower Upper

136 100

137 12.7 11.3 16.9

54 10.9 13.4 20.2#

68 6.3 7.0 10.4#

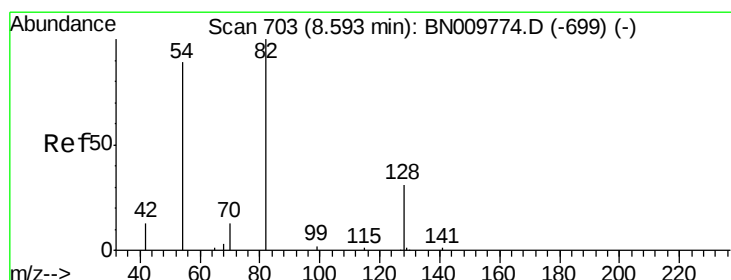
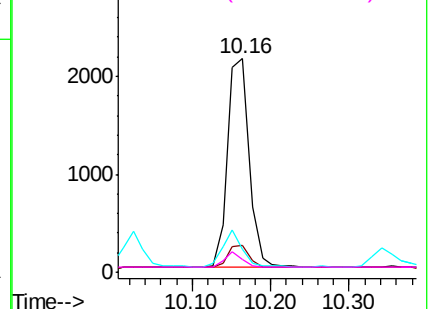
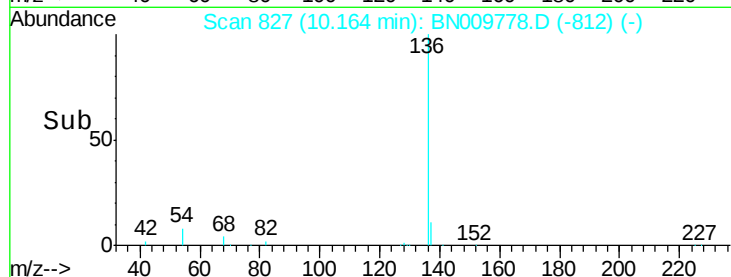


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.639 ng

RT: 8.55 min Scan# 700

Delta R.T. -0.04 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

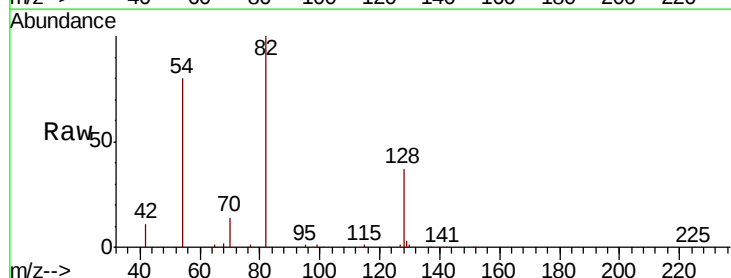
Tgt Ion: 82 Resp: 18597

Ion Ratio Lower Upper

82 100

128 36.9 32.5 48.7

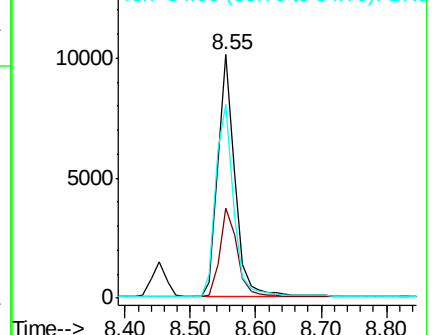
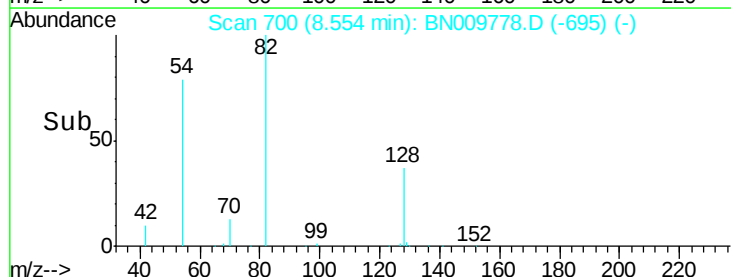
54 79.6 73.5 110.3

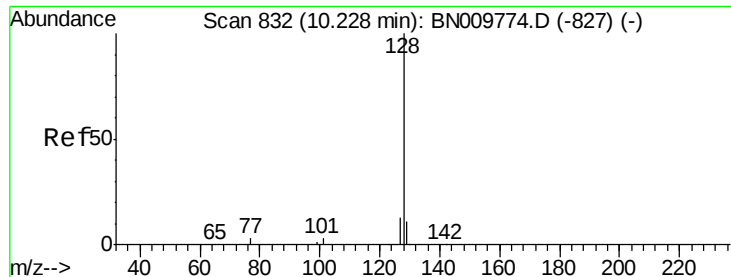


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

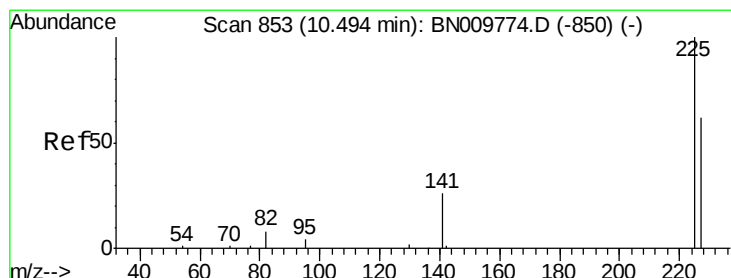
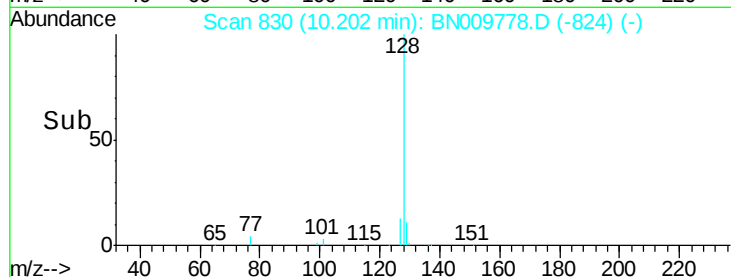
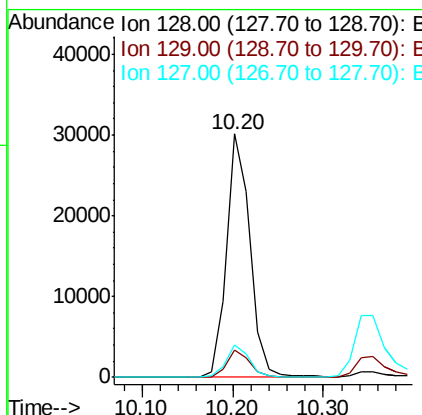
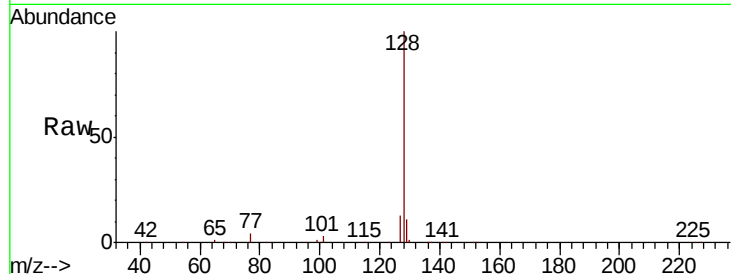




#9  
Naphthalene  
Concen: 4.788 ng  
RT: 10.20 min Scan# 830  
Delta R.T. -0.03 min  
Lab File: BN009778.D  
Acq: 19 Feb 2020 14:44

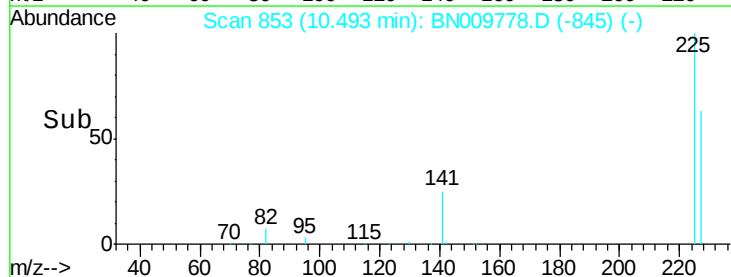
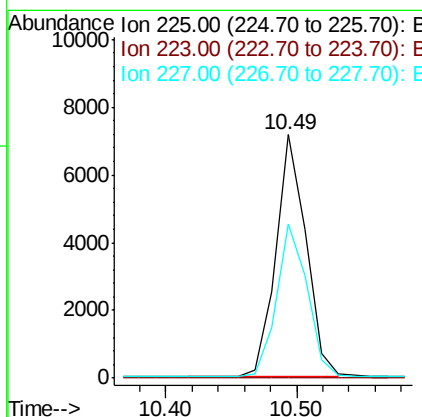
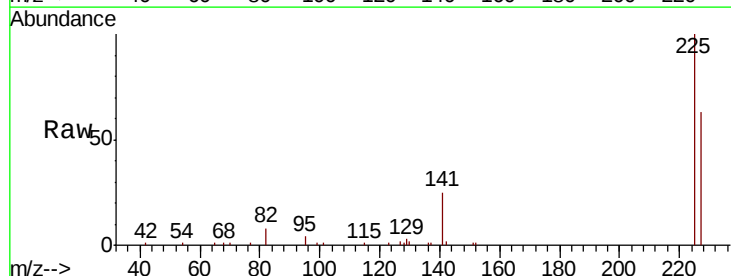
Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:128 Resp: 53606  
Ion Ratio Lower Upper  
128 100  
129 11.1 11.1 16.7#  
127 13.4 12.6 19.0



#10  
Hexachlorobutadiene  
Concen: 4.633 ng  
RT: 10.49 min Scan# 853  
Delta R.T. -0.00 min  
Lab File: BN009778.D  
Acq: 19 Feb 2020 14:44

Tgt Ion:225 Resp: 11374  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.1 53.4 80.2





#11

2-Methylnaphthalene-d10

Concen: 4.911 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.03 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

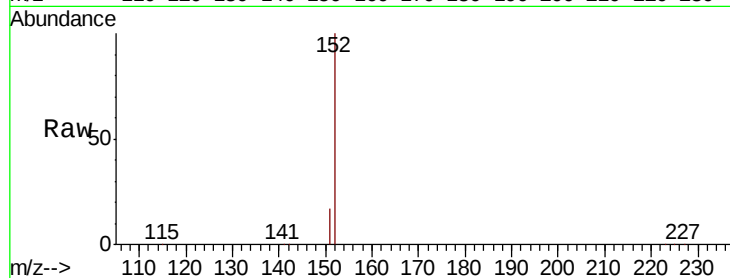
ClientSampled :

Tot Ion:152 Resp: 39245

Ion Ratio Lower Upper

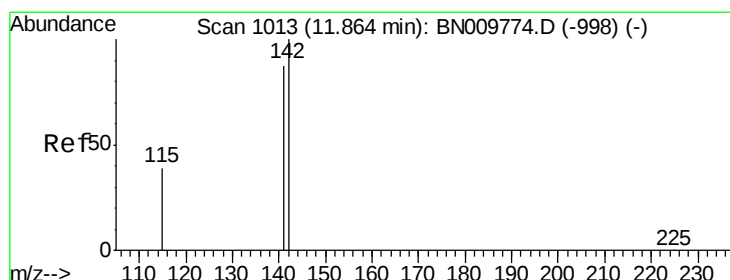
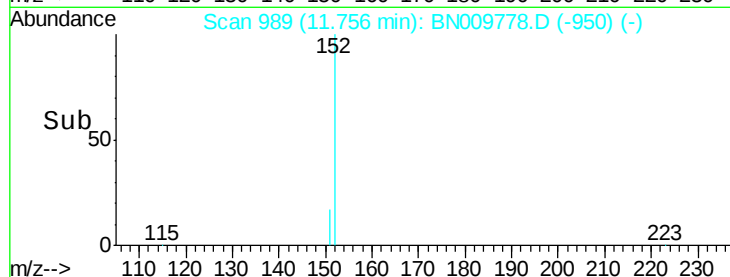
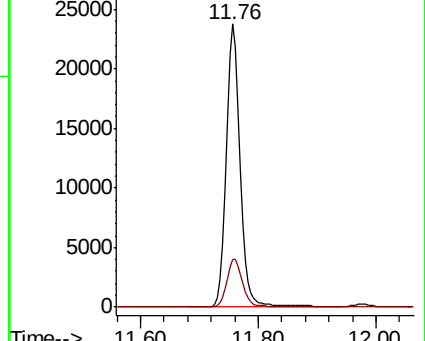
152 100

151 18.9 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 4.840 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

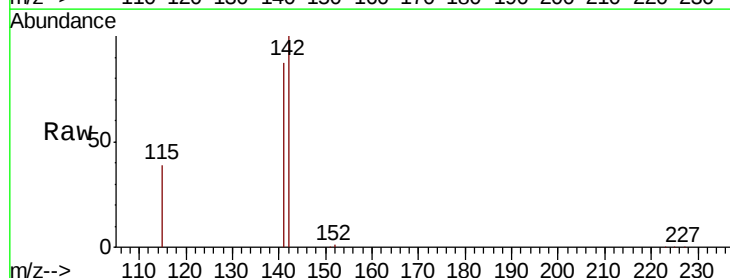
Tgt Ion:142 Resp: 37763

Ion Ratio Lower Upper

142 100

141 87.3 69.8 104.6

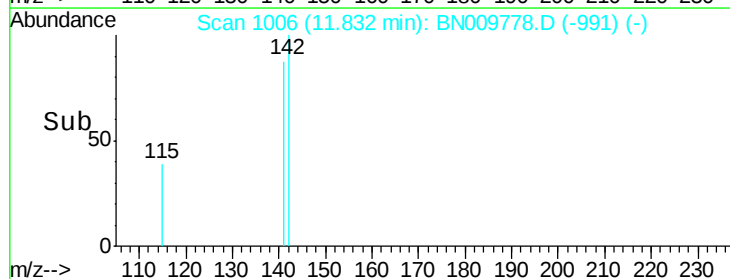
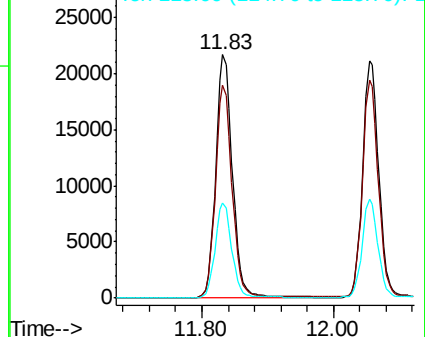
115 39.0 34.6 52.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampleId :

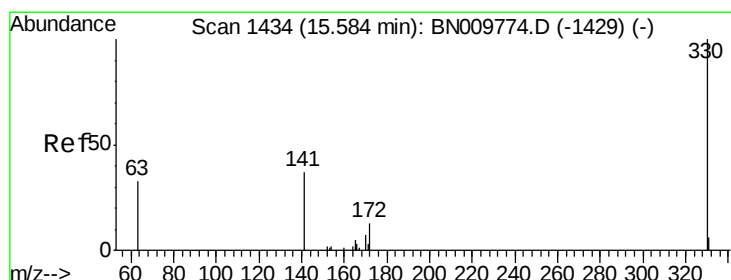
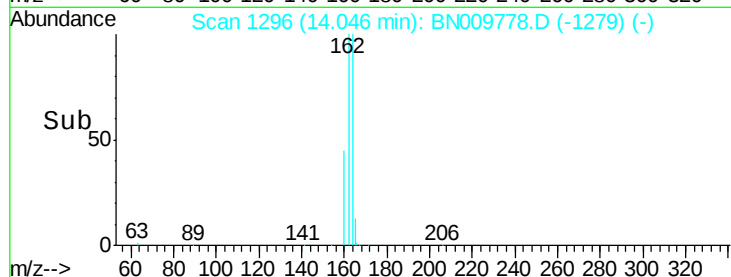
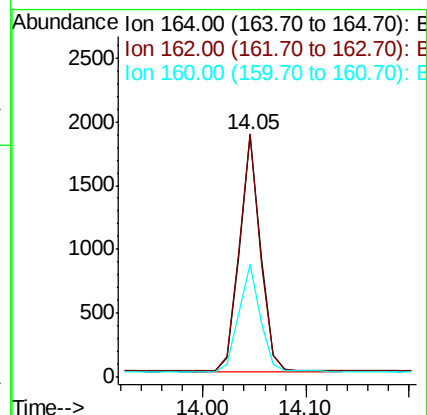
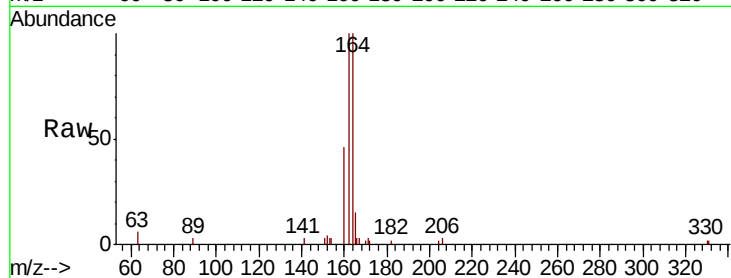
Tot Ion:164 Resp: 2598

Ion Ratio Lower Upper

164 100

162 100.3 79.9 119.9

160 46.3 38.2 57.2



#14

2,4,6-Tribromophenol

Concen: 5.646 ng

RT: 15.56 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

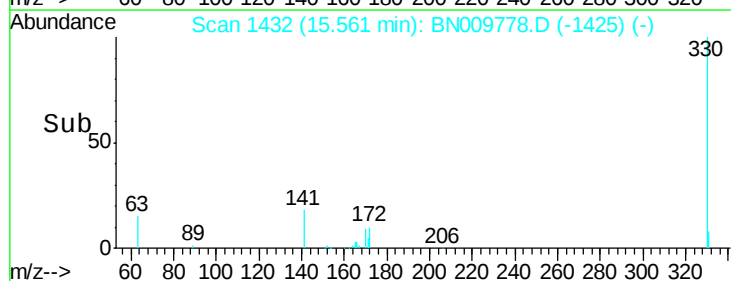
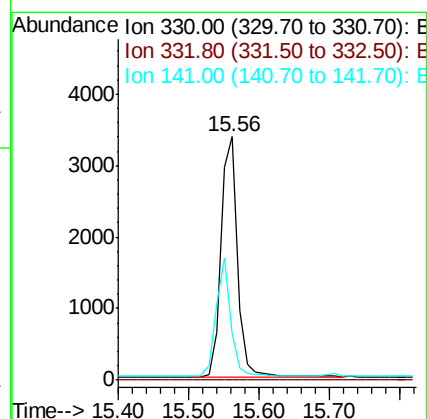
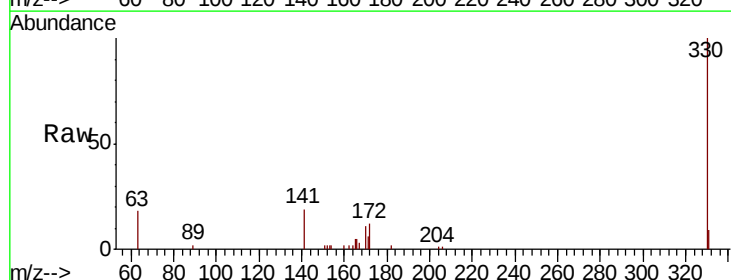
Tgt Ion:330 Resp: 5547

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 43.8 36.8 55.2

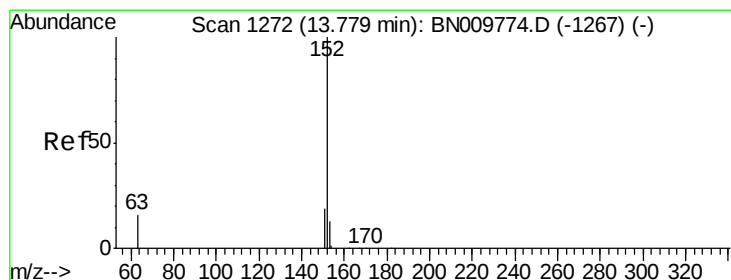
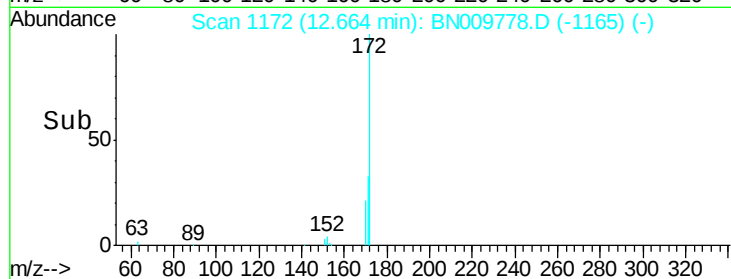
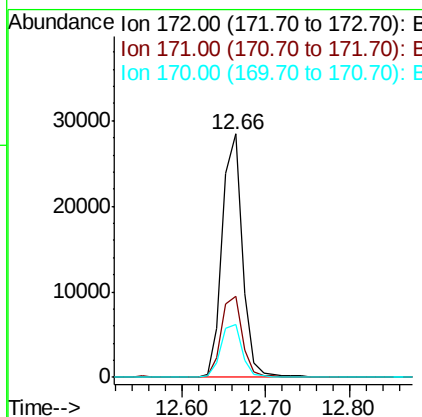
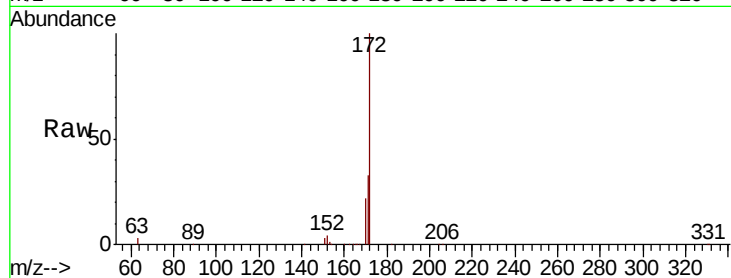




#15  
2-Fluorobiphenyl  
Concen: 4.883 ng  
RT: 12.66 min Scan# 1172  
Delta R.T. -0.02 min  
Lab File: BN009778.D  
Acq: 19 Feb 2020 14:44

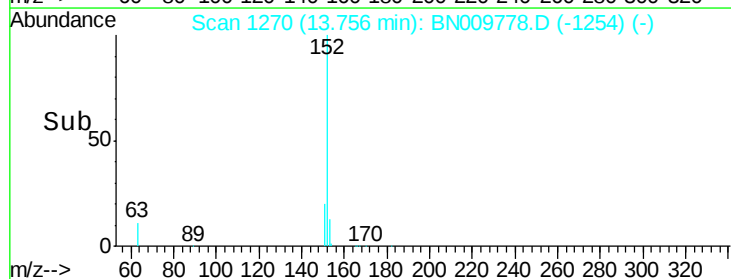
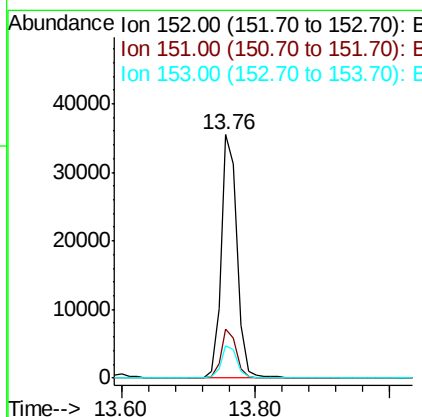
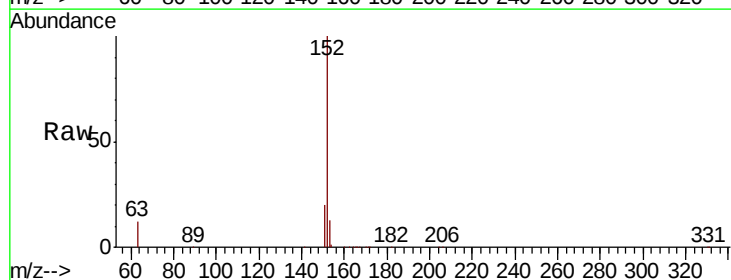
Instrument :  
BNA\_N  
ClientSampleId :

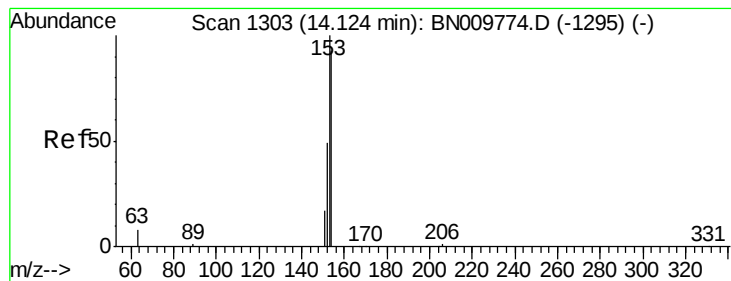
Tot Ion:172 Resp: 47469  
Ion Ratio Lower Upper  
172 100  
171 33.4 28.7 43.1  
170 21.6 20.1 30.1



#16  
Acenaphthylene  
Concen: 5.230 ng  
RT: 13.76 min Scan# 1270  
Delta R.T. -0.02 min  
Lab File: BN009778.D  
Acq: 19 Feb 2020 14:44

Tgt Ion:152 Resp: 58615  
Ion Ratio Lower Upper  
152 100  
151 19.2 15.8 23.6  
153 13.0 10.2 15.4





#17

Acenaphthene

Concen: 4.701 ng

RT: 14.11 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampleId :

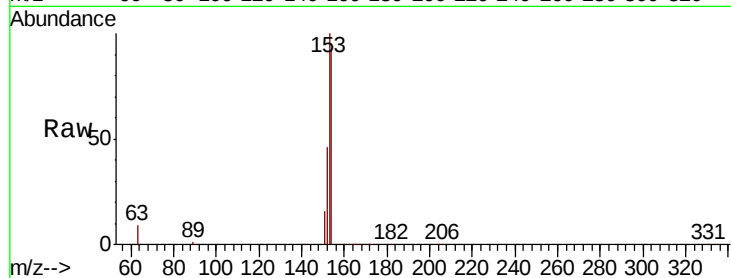
Tot Ion:154 Resp: 37043

Ion Ratio Lower Upper

154 100

153 112.2 88.9 133.3

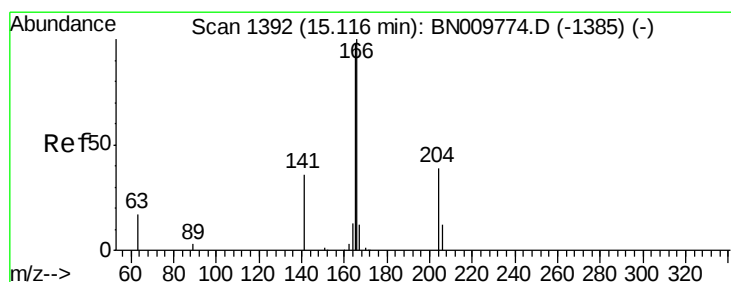
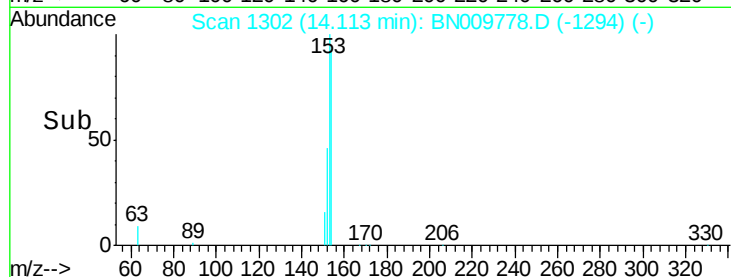
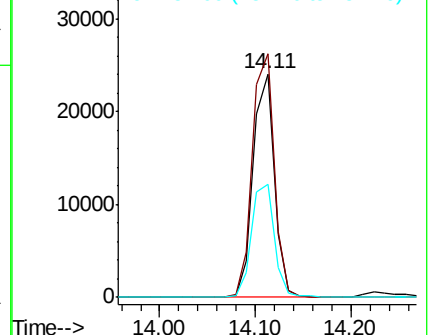
152 53.8 44.2 66.2



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: 4.746 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

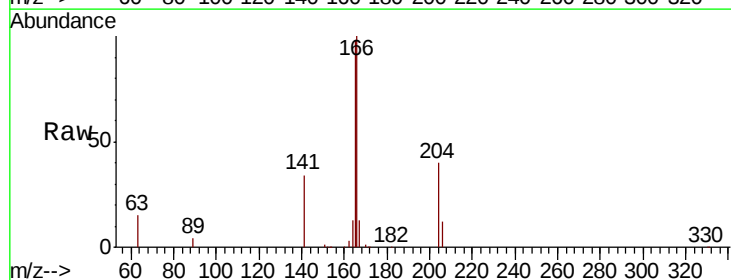
Tgt Ion:166 Resp: 48736

Ion Ratio Lower Upper

166 100

165 96.8 77.2 115.8

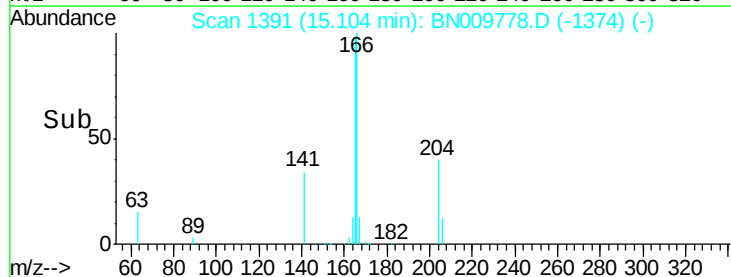
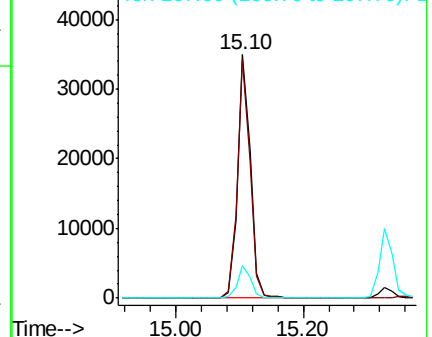
167 13.4 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampled :

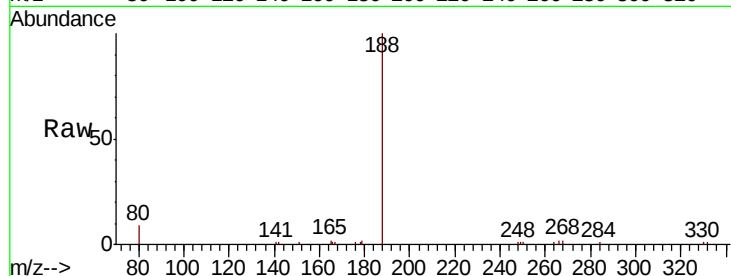
Tot Ion:188 Resp: 5392

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

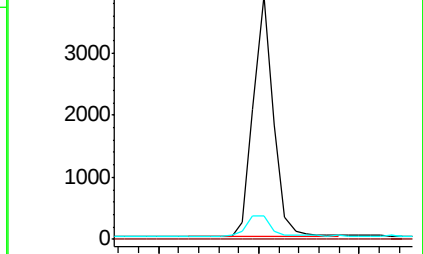
80 9.4 8.3 12.5



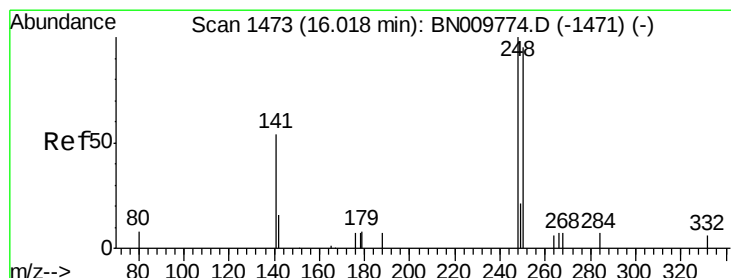
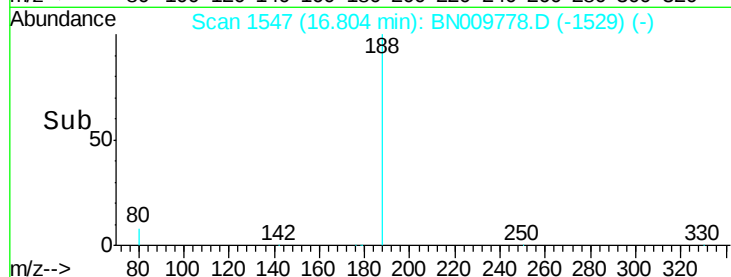
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



Time-->



#20

4-Bromophenyl-phenylether

Concen: 3.438 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

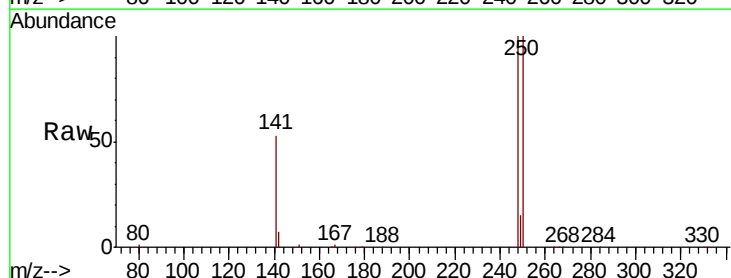
Tgt Ion:248 Resp: 11163

Ion Ratio Lower Upper

248 100

250 99.7 76.2 114.4

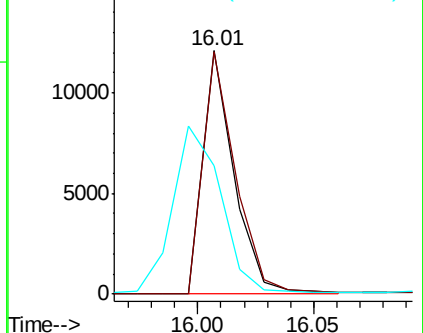
141 52.5 57.8 86.6#



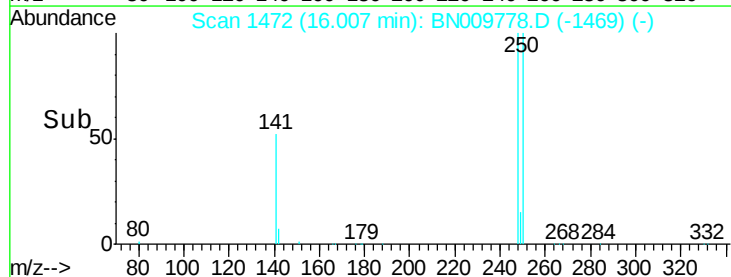
Abundance Ion 248.00 (247.70 to 248.70): E

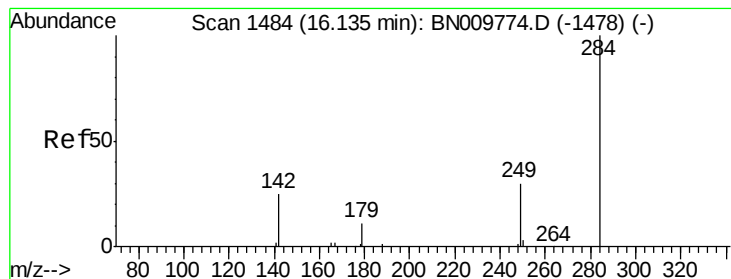
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#21

Hexachlorobenzene

Concen: 4.699 ng

RT: 16.12 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampleId :

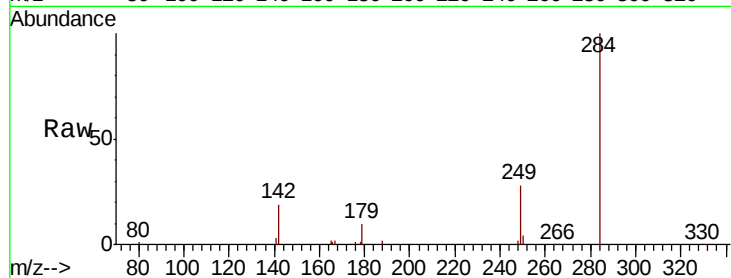
Tot Ion:284 Resp: 16242

Ion Ratio Lower Upper

284 100

142 40.5 33.3 49.9

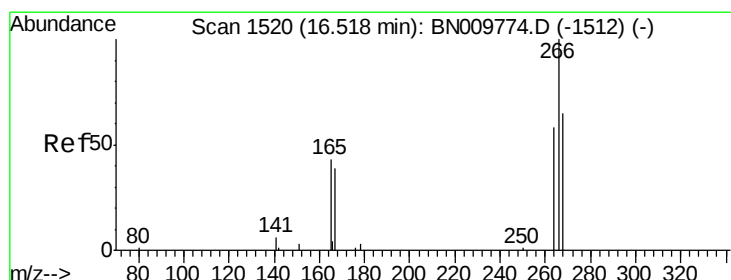
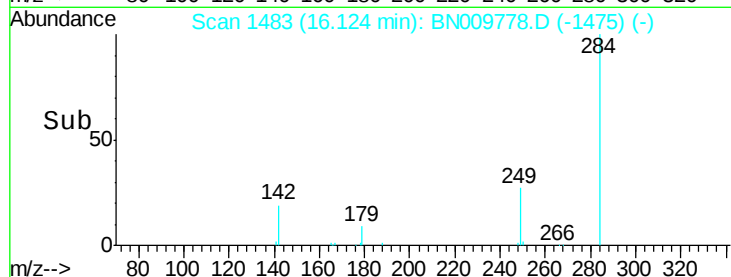
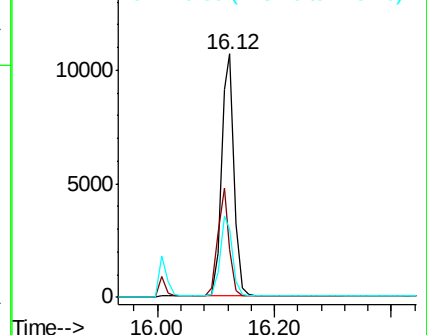
249 32.6 25.7 38.5



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: 5.585 ng

RT: 16.47 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

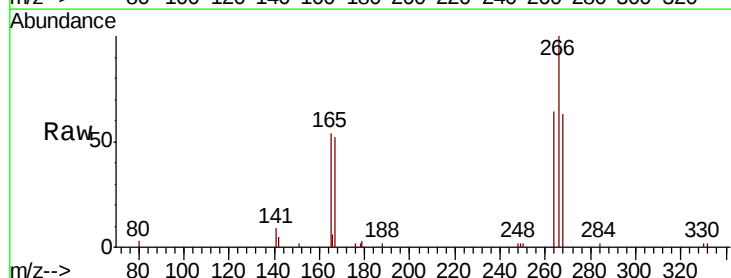
Tgt Ion:266 Resp: 5421

Ion Ratio Lower Upper

266 100

264 63.7 58.1 87.1

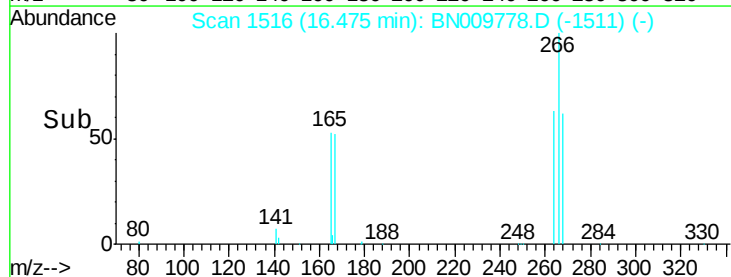
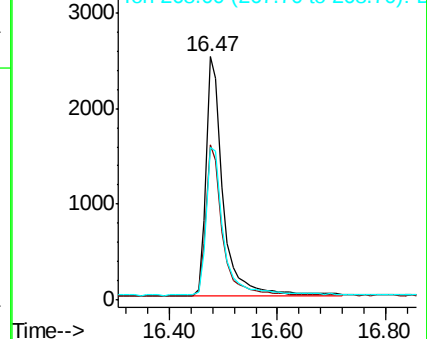
268 62.5 65.7 98.5#

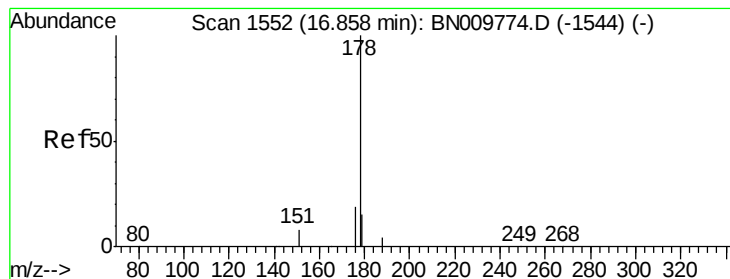


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 4.875 ng

RT: 16.85 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampleId :

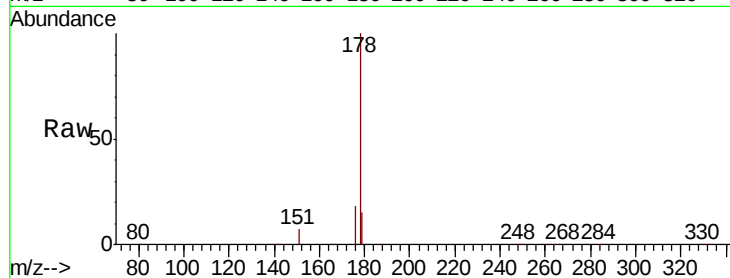
Tot Ion:178 Resp: 78967

Ion Ratio Lower Upper

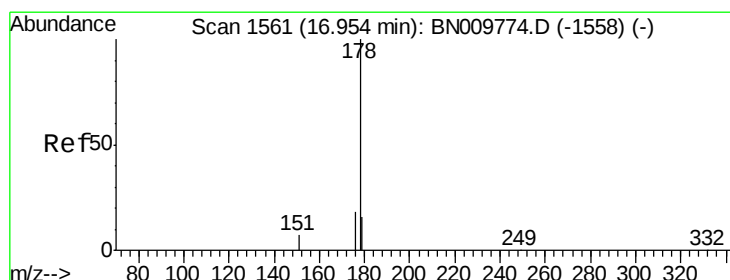
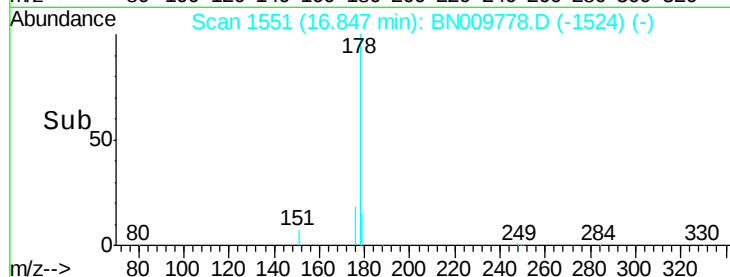
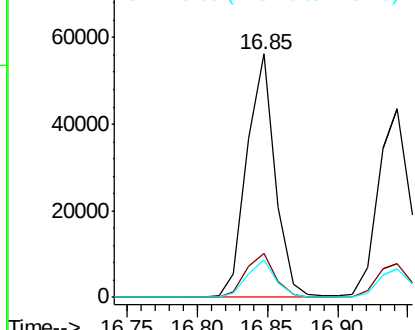
178 100

176 18.6 15.3 22.9

179 15.2 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 5.318 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

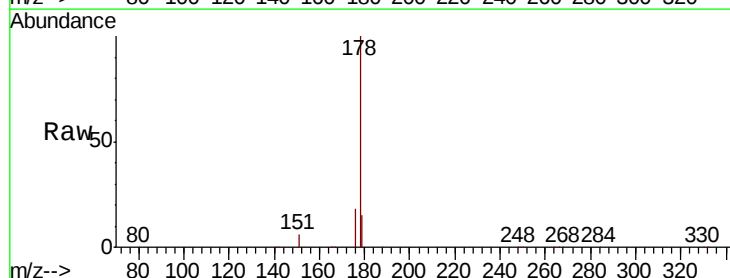
Tgt Ion:178 Resp: 72328

Ion Ratio Lower Upper

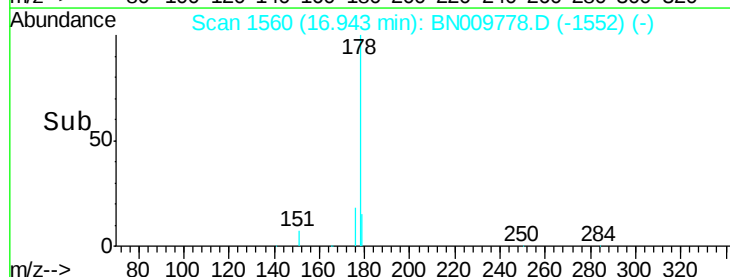
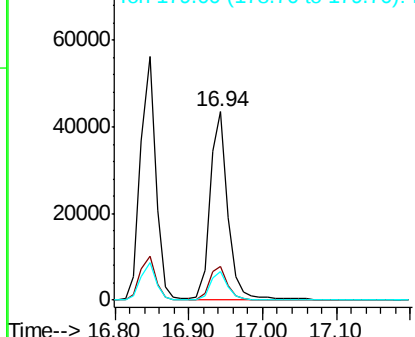
178 100

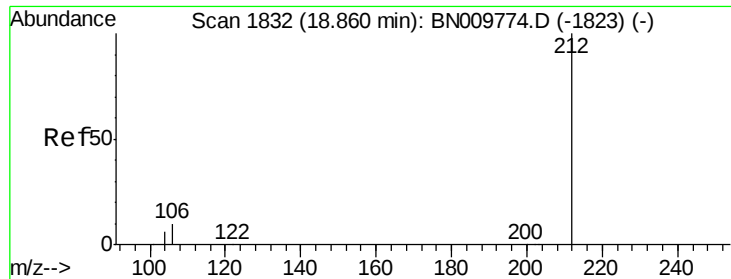
176 18.0 14.3 21.5

179 15.2 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

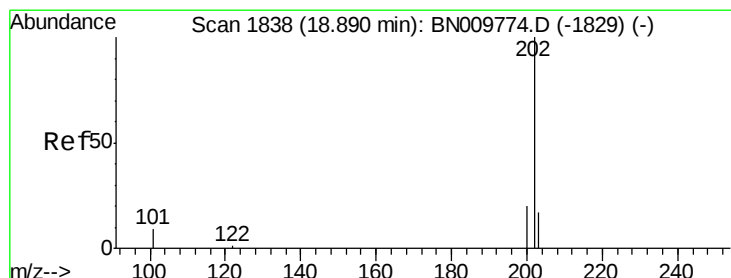
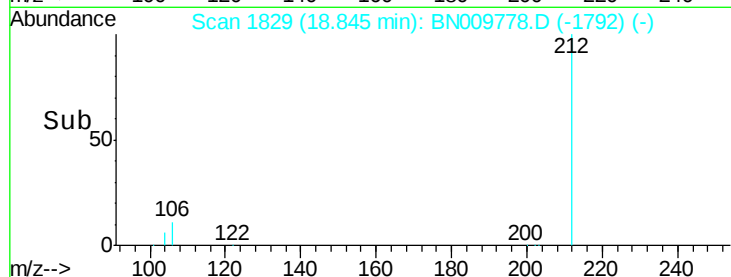
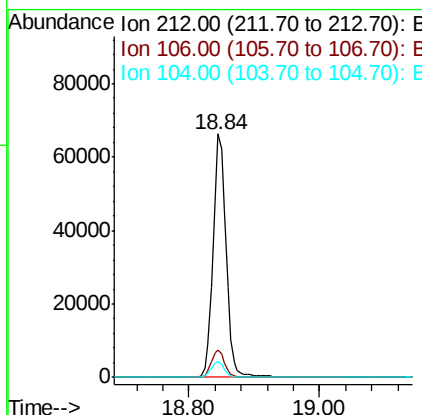
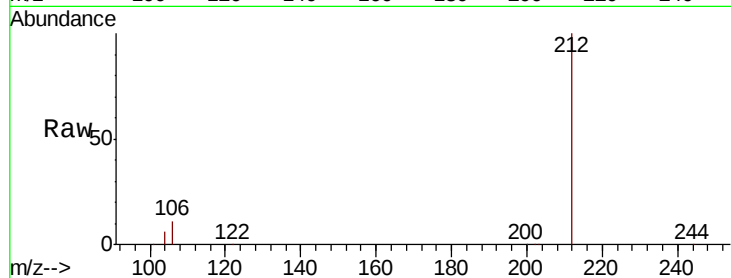




#25  
 Fluoranthene-d10  
 Concen: 4.963 ng  
 RT: 18.84 min Scan# 1829  
 Delta R.T. -0.02 min  
 Lab File: BN009778.D  
 Acq: 19 Feb 2020 14:44

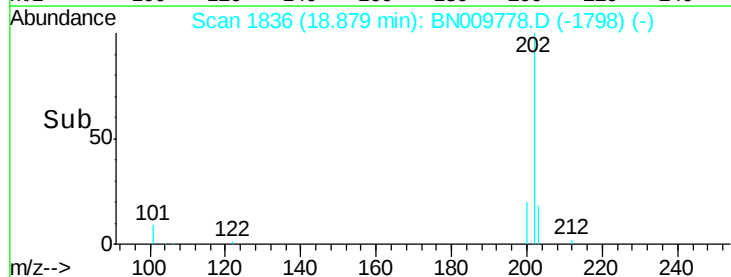
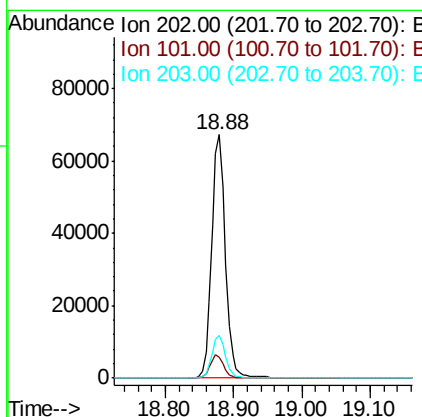
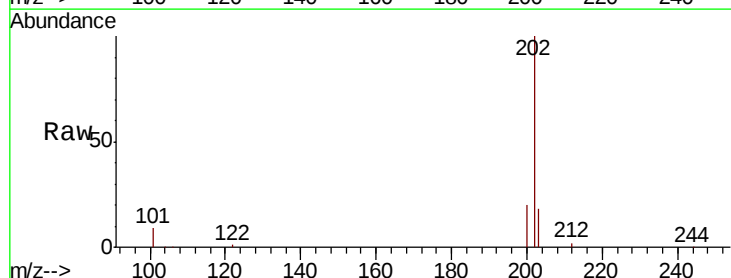
Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:212 Resp: 91759  
 Ion Ratio Lower Upper  
 212 100  
 106 11.2 8.4 12.6  
 104 6.4 4.8 7.2



#26  
 Fluoranthene  
 Concen: 4.940 ng  
 RT: 18.88 min Scan# 1836  
 Delta R.T. -0.01 min  
 Lab File: BN009778.D  
 Acq: 19 Feb 2020 14:44

Tgt Ion:202 Resp: 93884  
 Ion Ratio Lower Upper  
 202 100  
 101 9.5 7.1 10.7  
 203 17.4 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampleId :

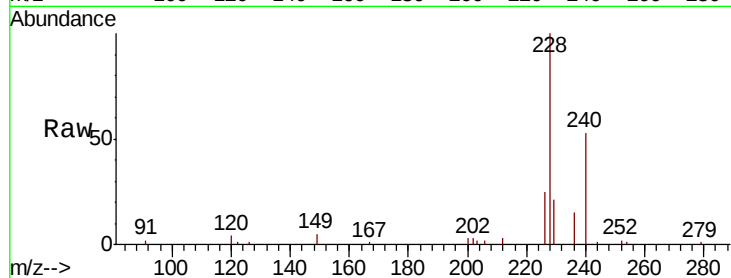
Tot Ion:240 Resp: 5269

Ion Ratio Lower Upper

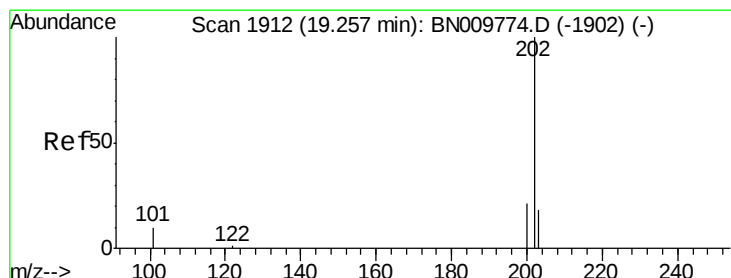
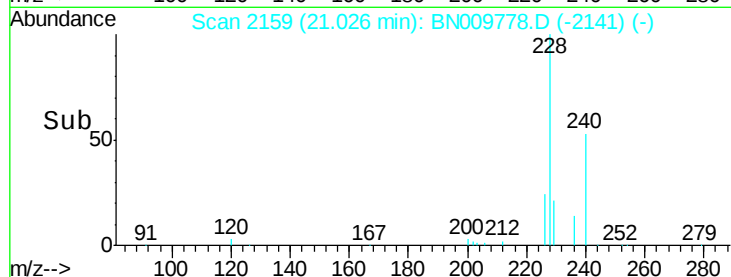
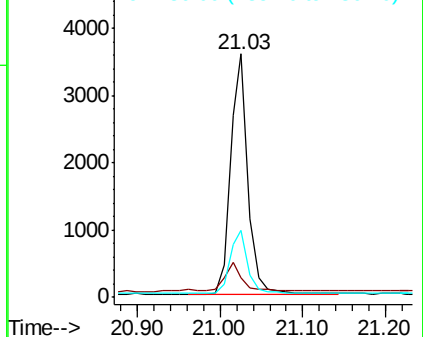
240 100

120 8.1 7.9 11.9

236 27.5 22.0 33.0



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: 4.636 ng

RT: 19.25 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

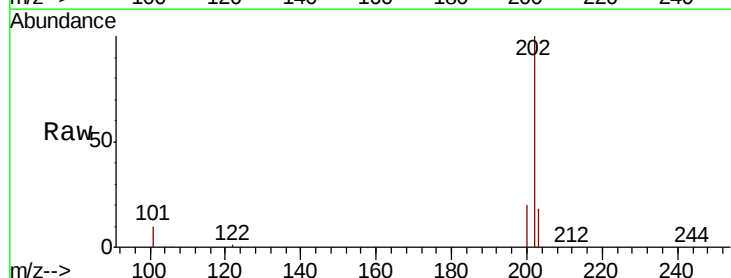
Tgt Ion:202 Resp: 92589

Ion Ratio Lower Upper

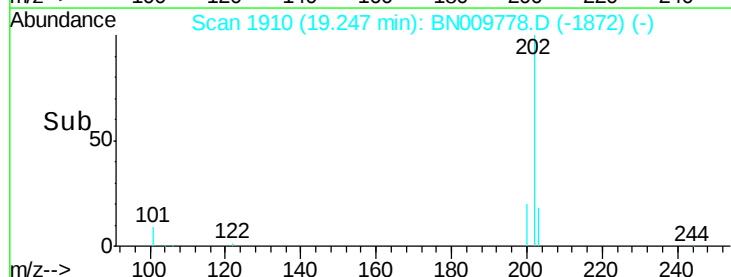
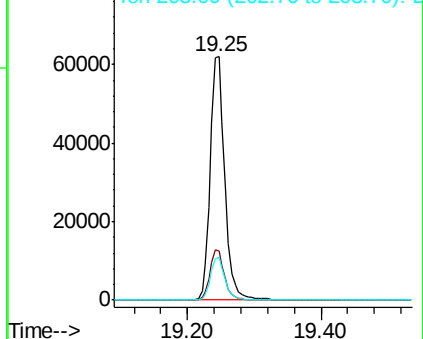
202 100

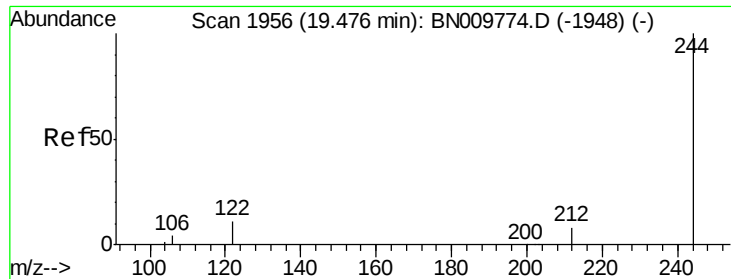
200 20.3 16.4 24.6

203 17.5 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: 4.710 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.01 min

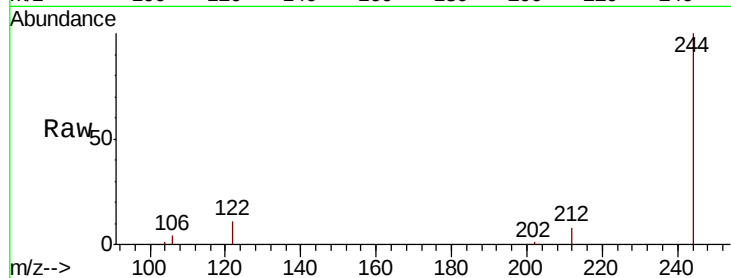
Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampleId :



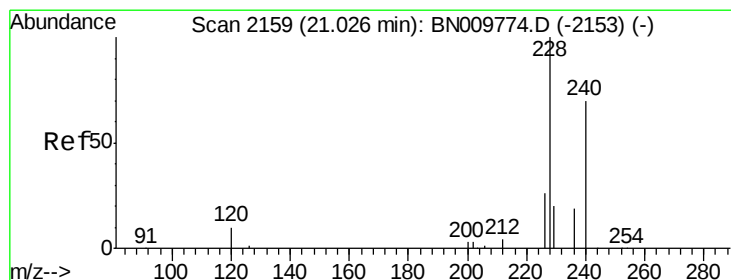
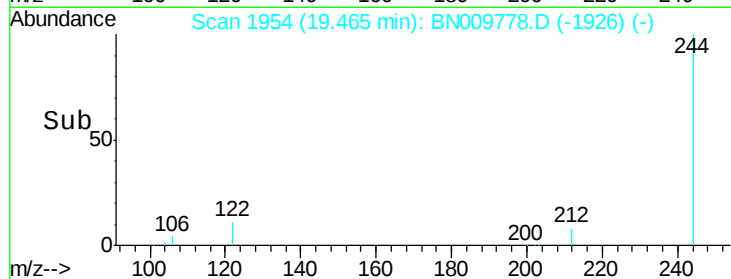
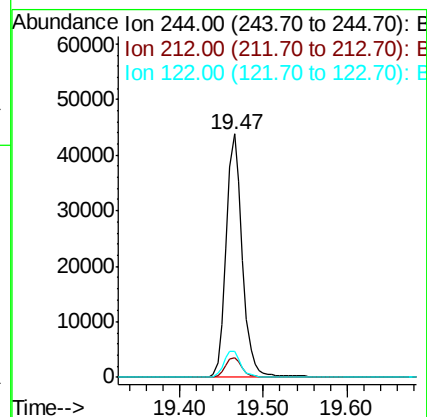
Tot Ion:244 Resp: 58785

Ion Ratio Lower Upper

244 100

212 8.2 8.0 12.0

122 10.9 10.0 15.0



#30

Benzo(a)anthracene

Concen: 5.252 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

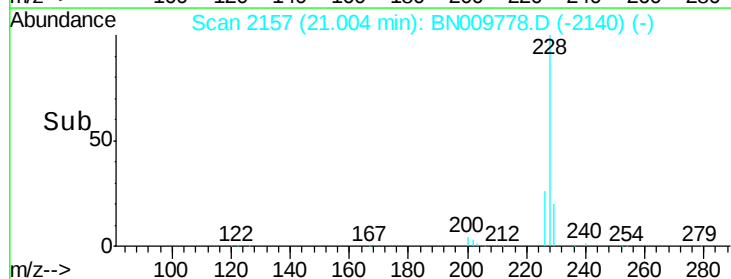
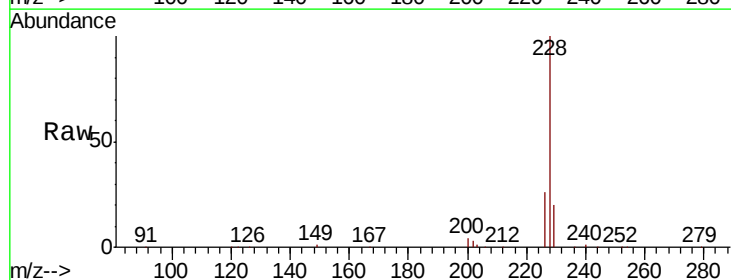
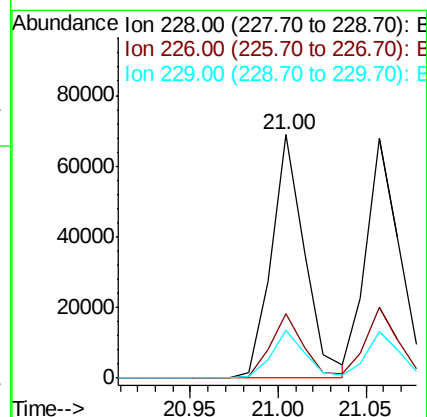
Tgt Ion:228 Resp: 90969

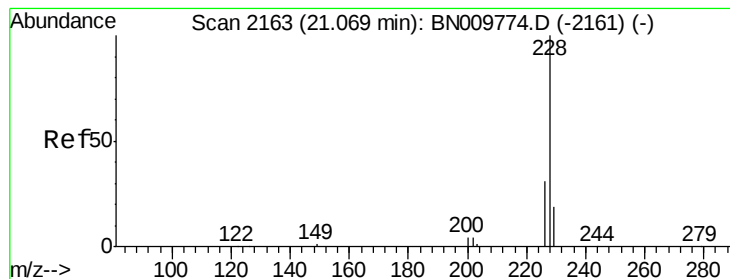
Ion Ratio Lower Upper

228 100

226 26.2 21.8 32.8

229 19.7 17.1 25.7





#31

Chrysene

Concen: 4.619 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampleId :

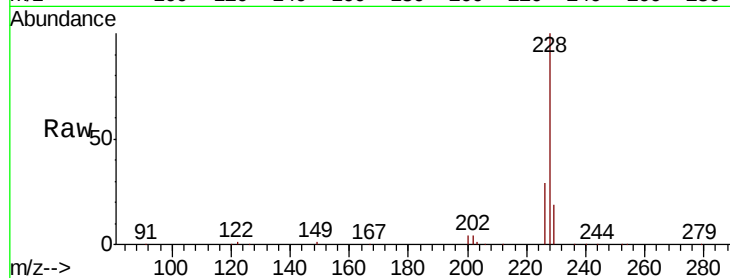
Tot Ion:228 Resp: 91509

Ion Ratio Lower Upper

228 100

226 29.4 24.8 37.2

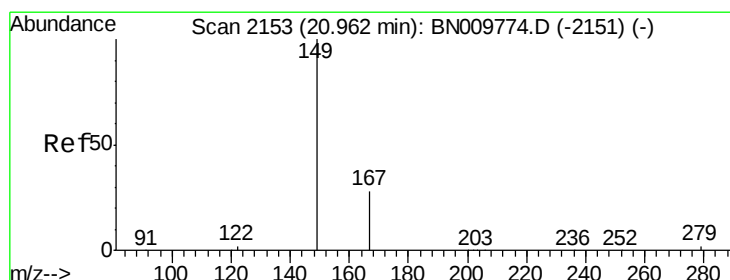
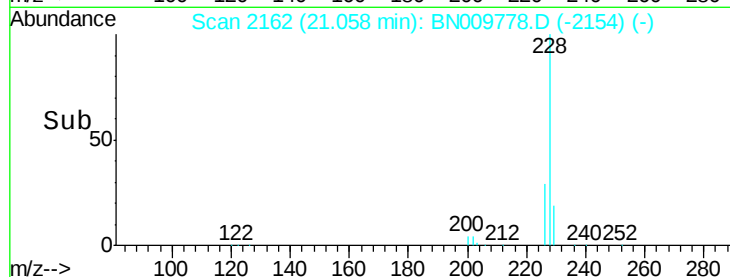
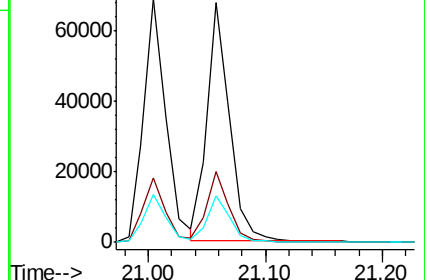
229 19.3 16.4 24.6



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: 5.576 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

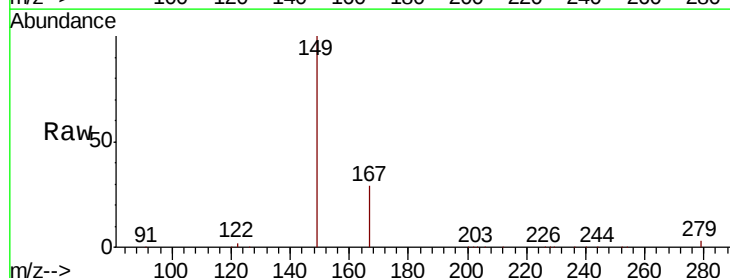
Tgt Ion:149 Resp: 42706

Ion Ratio Lower Upper

149 100

167 27.8 22.7 34.1

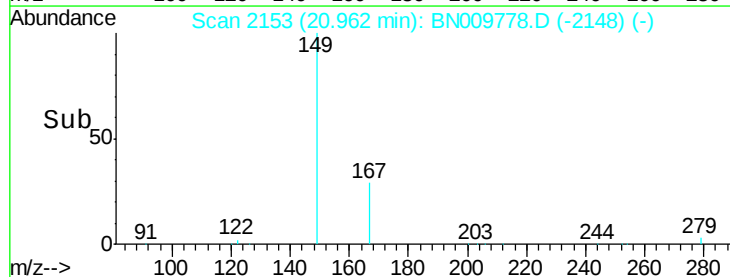
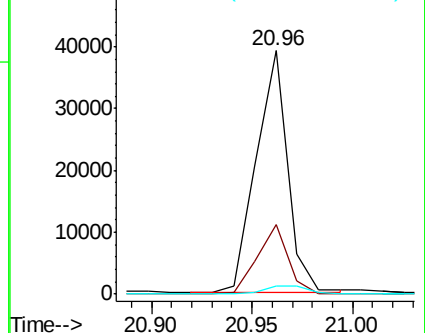
279 3.9 3.1 4.7

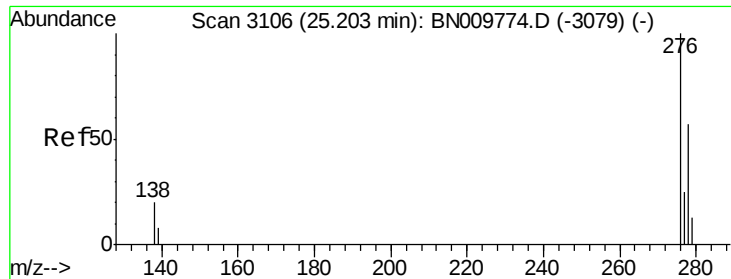


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

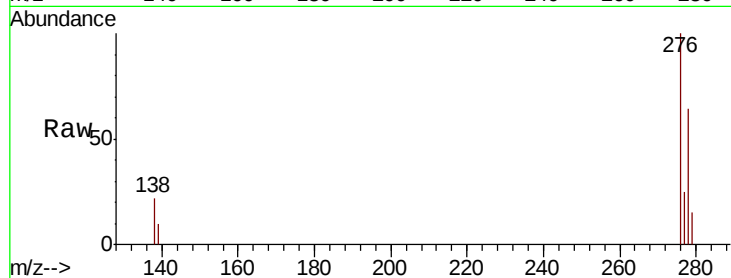




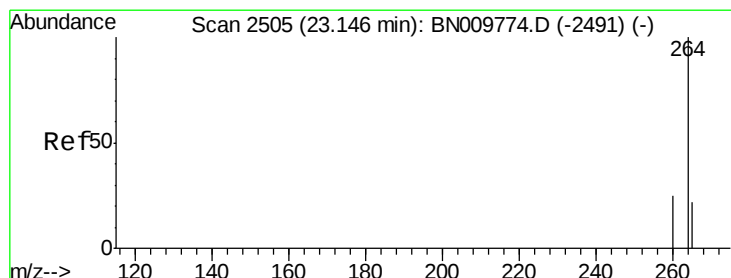
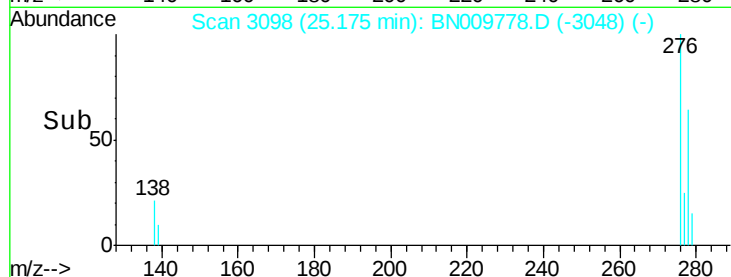
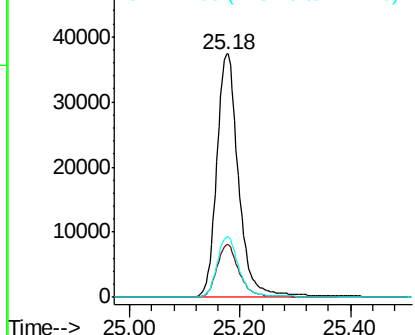
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 4.931 ng  
RT: 25.18 min Scan# 3098  
Delta R.T. -0.03 min  
Lab File: BN009778.D  
Acq: 19 Feb 2020 14:44

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:276 Resp: 101616  
Ion Ratio Lower Upper  
276 100  
138 21.9 15.8 23.6  
277 24.7 19.3 28.9

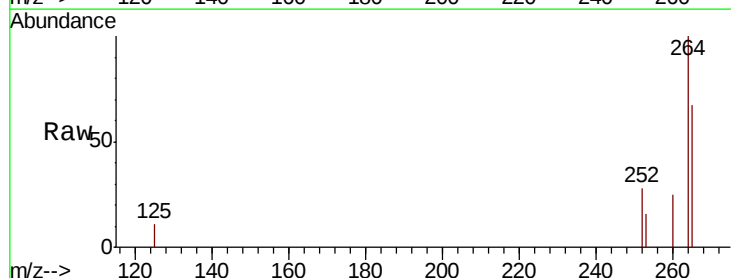


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

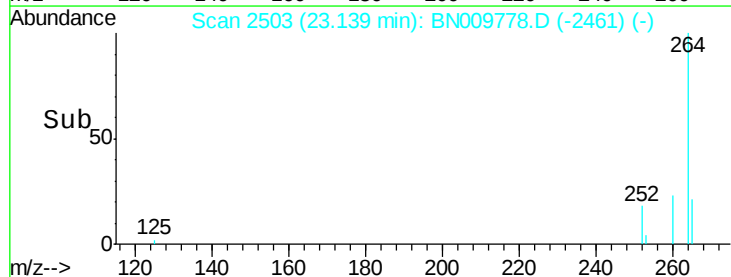
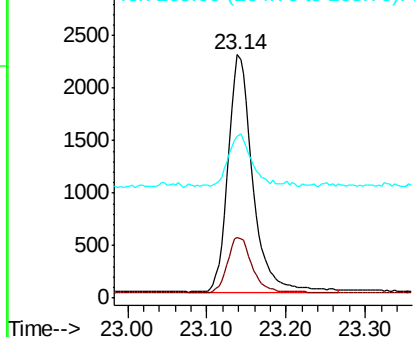


#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.14 min Scan# 2503  
Delta R.T. -0.01 min  
Lab File: BN009778.D  
Acq: 19 Feb 2020 14:44

Tgt Ion:264 Resp: 4889  
Ion Ratio Lower Upper  
264 100  
260 24.9 21.1 31.7  
265 66.5 57.5 86.3



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

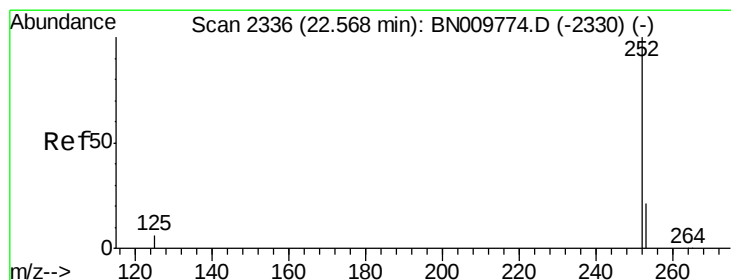
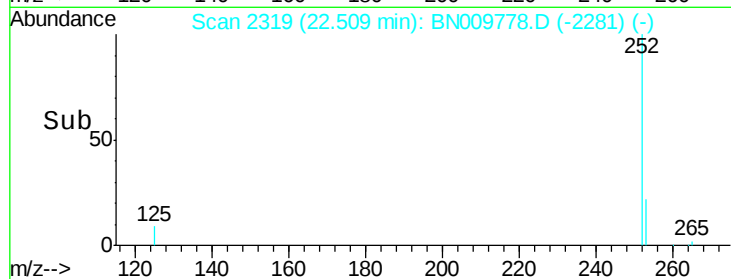
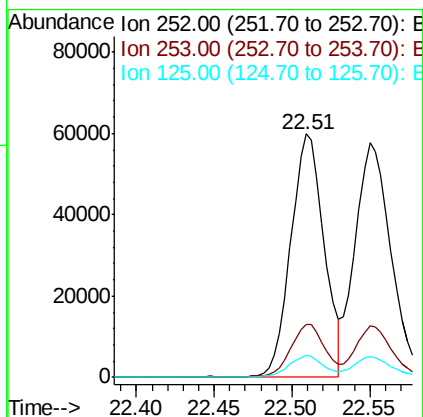
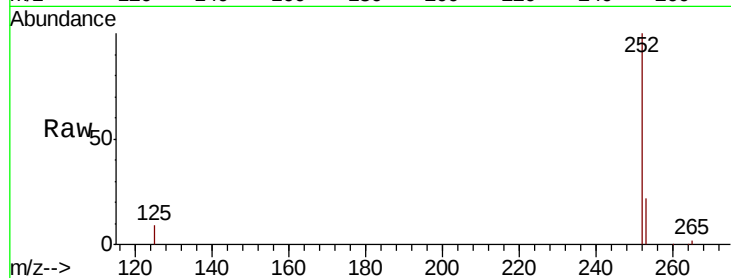




#35  
Benzo(b)fluoranthene  
Concen: 4.932 ng  
RT: 22.51 min Scan# 2319  
Delta R.T. -0.02 min  
Lab File: BN009778.D  
Acq: 19 Feb 2020 14:44

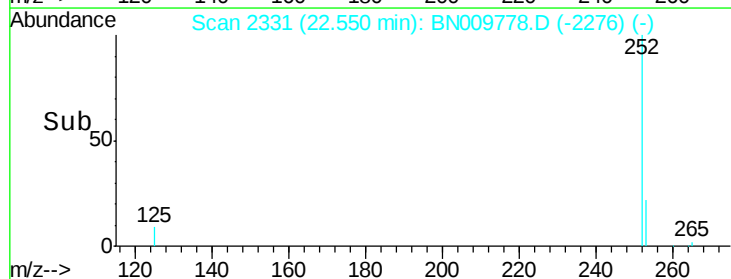
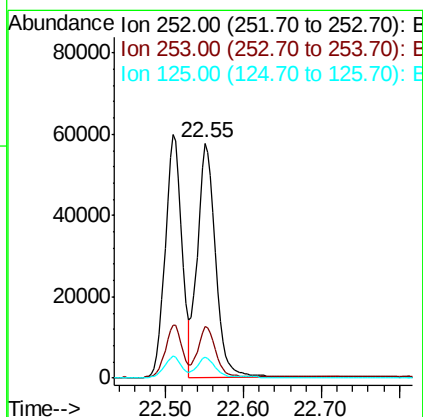
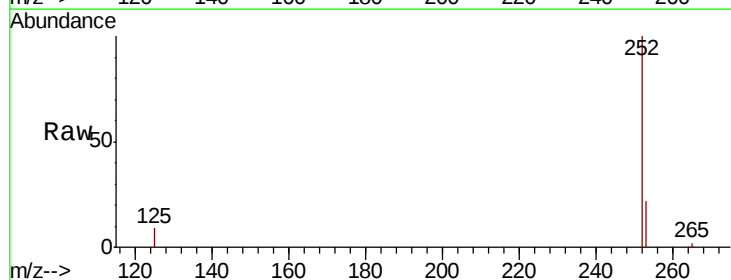
Instrument :  
BNA\_N  
ClientSampleId :

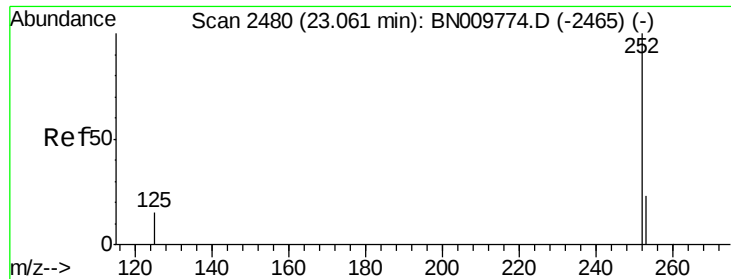
Tot Ion:252 Resp: 88696  
Ion Ratio Lower Upper  
252 100  
253 21.8 23.0 34.6#  
125 9.0 14.4 21.6#



#36  
Benzo(k)fluoranthene  
Concen: 4.743 ng  
RT: 22.55 min Scan# 2331  
Delta R.T. -0.02 min  
Lab File: BN009778.D  
Acq: 19 Feb 2020 14:44

Tgt Ion:252 Resp: 94140  
Ion Ratio Lower Upper  
252 100  
253 22.0 22.2 33.2#  
125 8.8 10.5 15.7#





#37

Benzo(a)pyrene

Concen: 5.089 ng

RT: 23.04 min Scan# 2475

Delta R.T. -0.02 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampled :

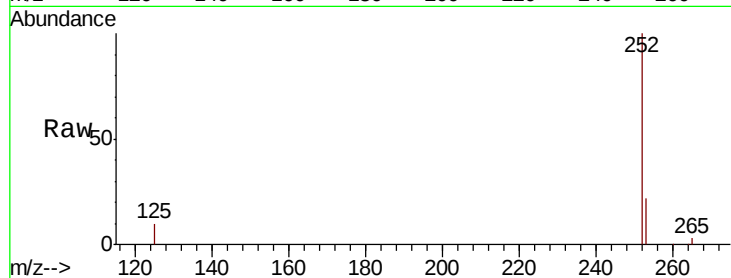
Tot Ion:252 Resp: 80551

Ion Ratio Lower Upper

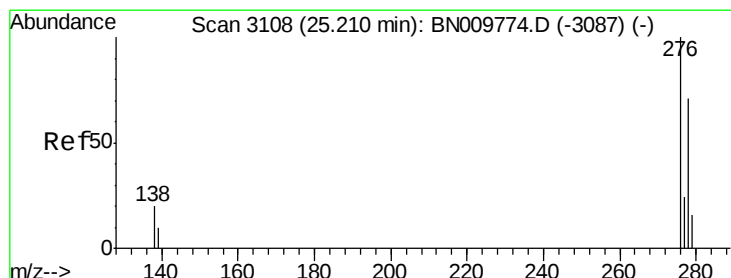
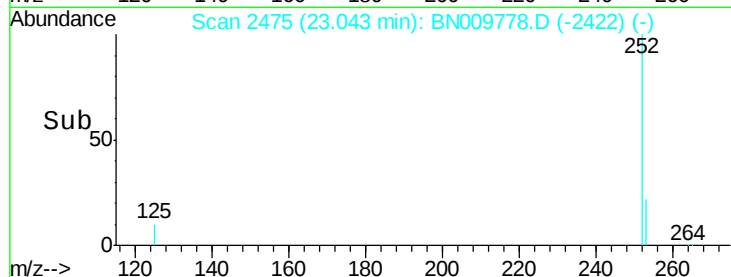
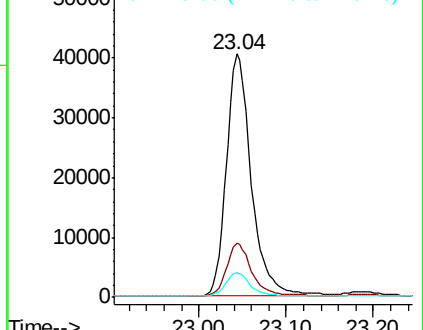
252 100

253 22.2 25.3 37.9#

125 10.1 17.7 26.5#



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: 5.159 ng

RT: 25.19 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

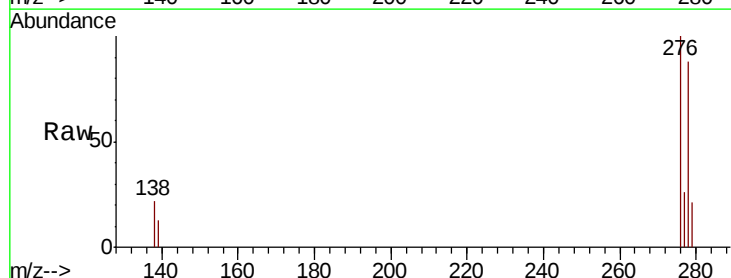
Tgt Ion:278 Resp: 82154

Ion Ratio Lower Upper

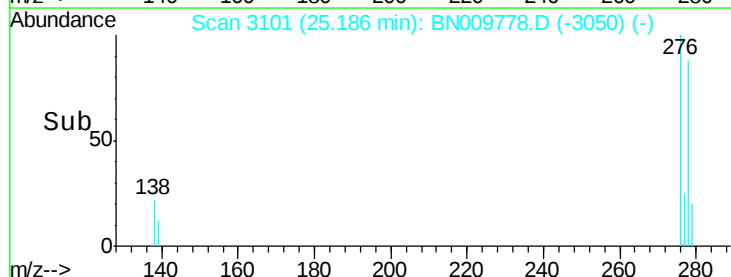
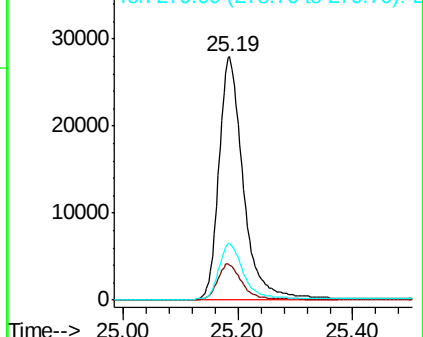
278 100

139 14.4 14.5 21.7#

279 23.5 24.3 36.5#



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: 4.741 ng

RT: 25.80 min Scan# 3281

Delta R.T. -0.03 min

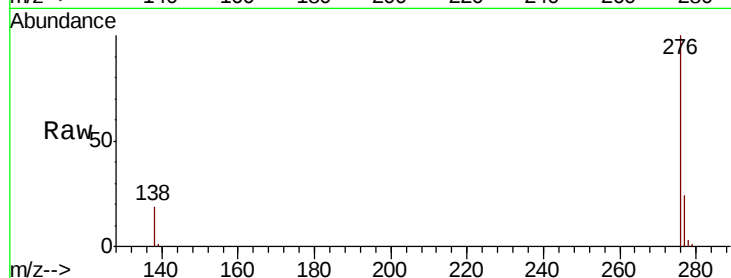
Lab File: BN009778.D

Acq: 19 Feb 2020 14:44

Instrument :

BNA\_N

ClientSampleId :



Tot Ion:276 Resp: 83062

Ion Ratio Lower Upper

276 100

277 23.9 21.4 32.0

138 18.7 16.6 24.8

