

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\  
 Data File : BN009775.D  
 Acq On : 19 Feb 2020 12:56  
 Operator : CG/JU  
 Sample : SSTDICC0.8  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Feb 19 13:52:29 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  | 923      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.16 | 136  | 3126     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 1993     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.82 | 188  | 4520     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.03 | 240  | 4119     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.15 | 264  | 3985     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.08  | 112 | 1704  | 0.80 | ng | 0.00  |
| 5) Phenol-d6                | 6.63  | 99  | 2092  | 0.85 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.58  | 82  | 2086  | 0.84 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.77 | 152 | 4992  | 0.83 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.57 | 330 | 590   | 0.78 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.68 | 172 | 6187  | 0.83 | ng | -0.01 |
| 25) Fluoranthene-d10        | 18.85 | 212 | 12642 | 0.82 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.48 | 244 | 8076  | 0.83 | ng | 0.00  |

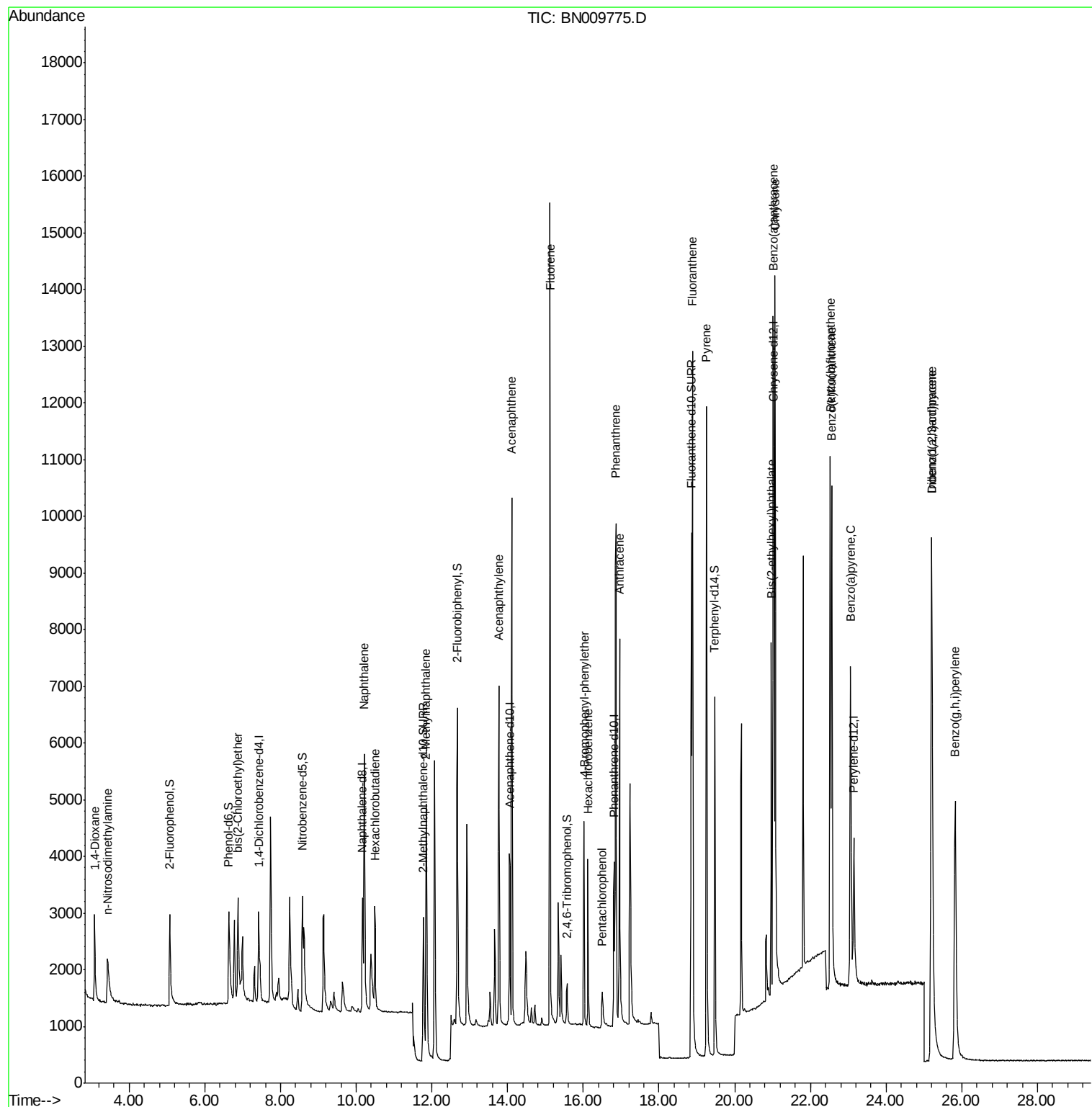
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.10  | 88  | 793   | 0.824  | ng | 97   |
| 3) n-Nitrosodimethylamine      | 3.43  | 42  | 1232  | 0.829  | ng | # 98 |
| 6) bis(2-Chloroethyl)ether     | 6.88  | 93  | 2122  | 0.839  | ng | 98   |
| 9) Naphthalene                 | 10.22 | 128 | 6948  | 0.821  | ng | 96   |
| 10) Hexachlorobutadiene        | 10.49 | 225 | 1509  | 0.813  | ng | # 98 |
| 12) 2-Methylnaphthalene        | 11.85 | 142 | 4776  | 0.810  | ng | 98   |
| 16) Acenaphthylene             | 13.77 | 152 | 6778  | 0.788  | ng | 99   |
| 17) Acenaphthene               | 14.11 | 154 | 4837  | 0.800  | ng | 98   |
| 18) Fluorene                   | 15.12 | 166 | 6454  | 0.819  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.02 | 248 | 2263  | 0.831  | ng | # 87 |
| 21) Hexachlorobenzene          | 16.12 | 284 | 2263  | 0.781  | ng | 100  |
| 22) Pentachlorophenol          | 16.50 | 266 | 540   | 0.664  | ng | 90   |
| 23) Phenanthrene               | 16.86 | 178 | 10837 | 0.798  | ng | 99   |
| 24) Anthracene                 | 16.95 | 178 | 9190  | 0.806  | ng | 99   |
| 26) Fluoranthene               | 18.88 | 202 | 12945 | 0.813  | ng | 100  |
| 28) Pyrene                     | 19.25 | 202 | 12780 | 0.819  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.02 | 228 | 11377 | 0.840  | ng | 99   |
| 31) Chrysene                   | 21.07 | 228 | 12644 | 0.816  | ng | 97   |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149 | 5015  | 0.838  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.20 | 276 | 13238 | 0.822  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 22.52 | 252 | 12066 | 0.823  | ng | # 89 |
| 36) Benzo(k)fluoranthene       | 22.56 | 252 | 12963 | 0.801  | ng | 94   |
| 37) Benzo(a)pyrene             | 23.06 | 252 | 10731 | 0.832  | ng | # 88 |
| 38) Dibenzo(a,h)anthracene     | 25.21 | 278 | 10715 | 0.826  | ng | 93   |
| 39) Benzo(g,h,i)perylene       | 25.82 | 276 | 11501 | 0.805  | ng | 97   |

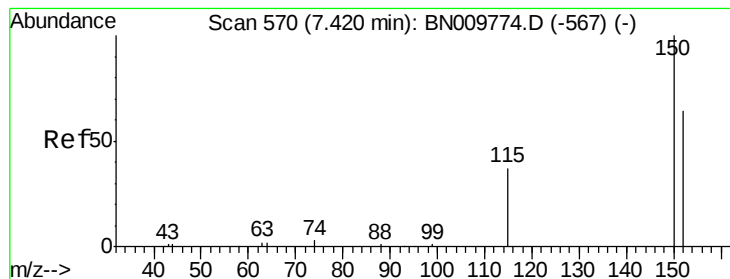
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 19 13:45:18 2020  
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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: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

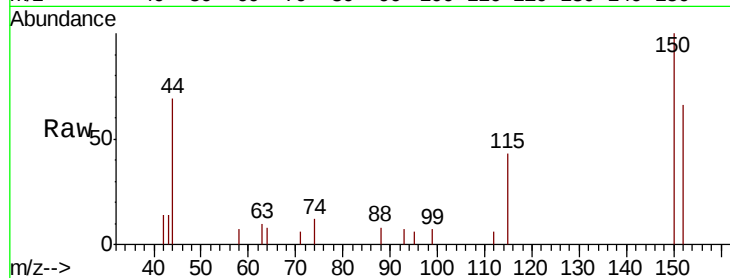
Tot Ion:152 Resp: 923

Ion Ratio Lower Upper

152 100

150 151.2 120.6 181.0

115 65.0 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

2000

1500

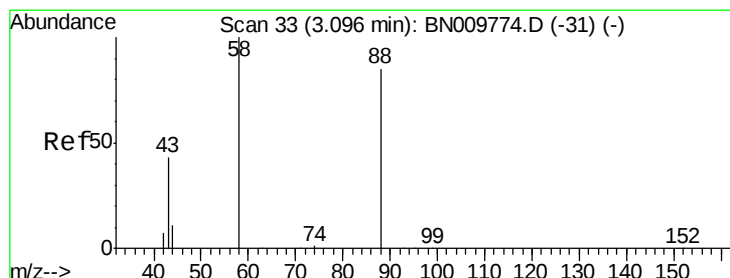
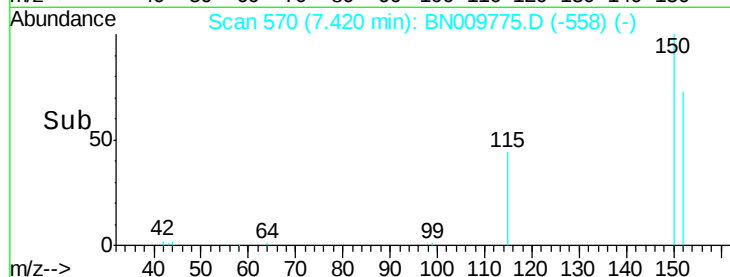
1000

500

0

7.30 7.40 7.50 7.60 7.70

Time-->



#2

1,4-Dioxane

Concen: 0.824 ng

RT: 3.10 min Scan# 33

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

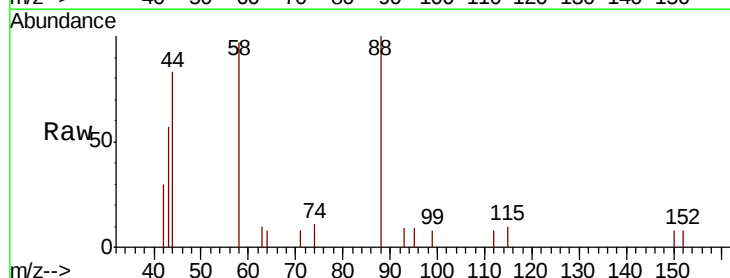
Tgt Ion: 88 Resp: 793

Ion Ratio Lower Upper

88 100

58 126.4 97.8 146.8

43 58.1 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

800

600

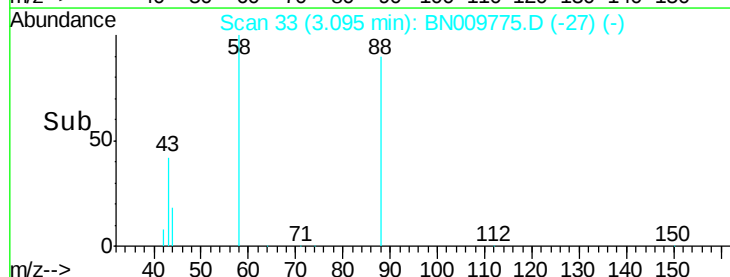
400

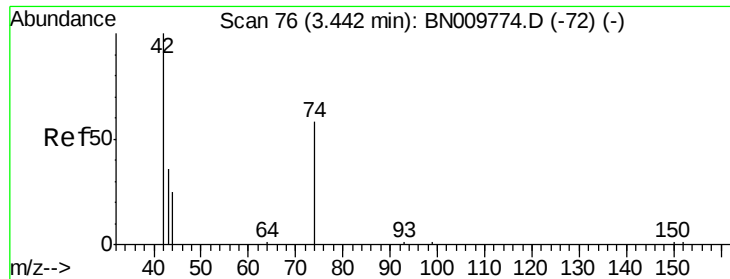
200

0

3.05 3.10 3.15

Time-->



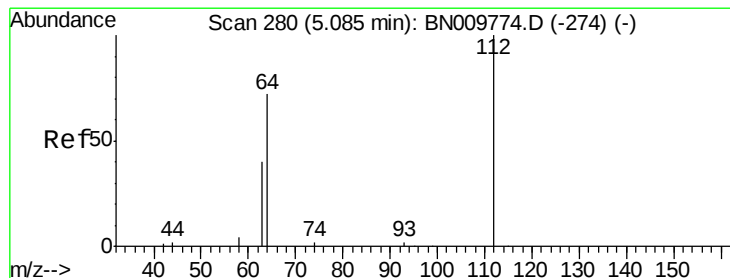
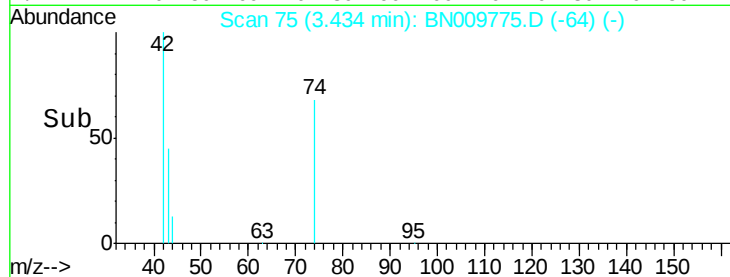
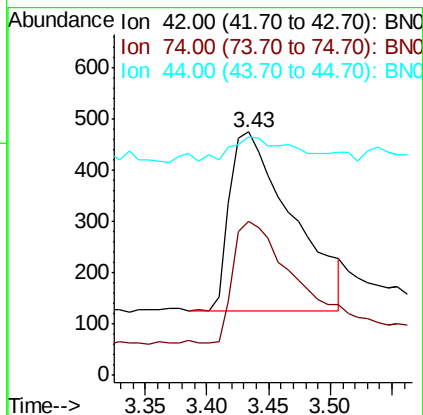
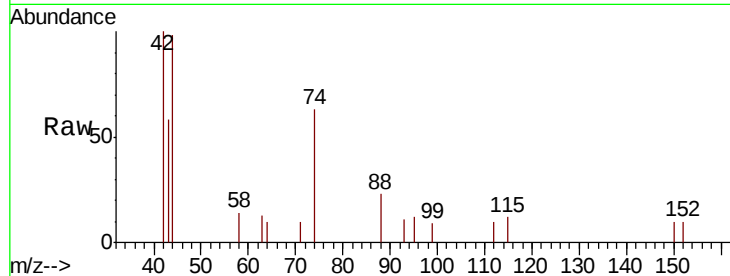


#3

n-Nitrosodimethylamine  
 Concen: 0.829 ng  
 RT: 3.43 min Scan# 75  
 Delta R.T. -0.01 min  
 Lab File: BN009775.D  
 Acq: 19 Feb 2020 12:56

Instrument :  
 BNA\_N  
 ClientSampleId :

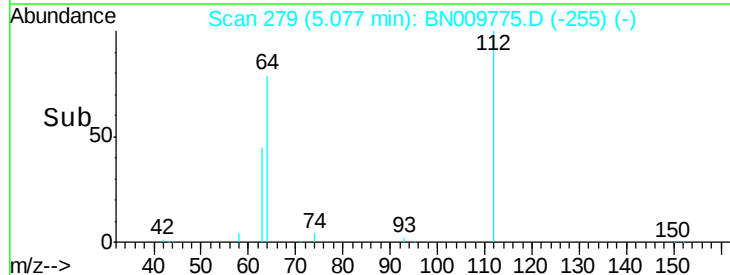
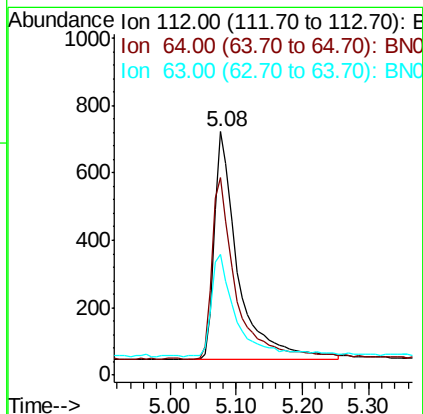
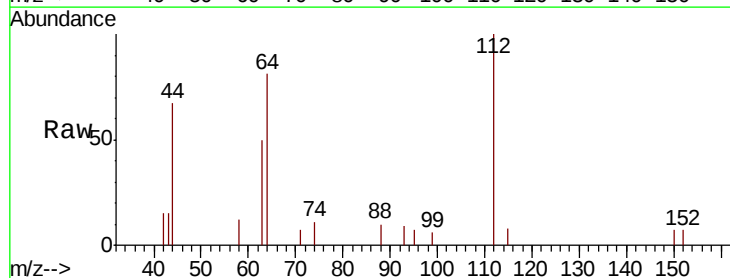
Tot Ion: 42 Resp: 1232  
 Ion Ratio Lower Upper  
 42 100  
 74 64.9 51.2 76.8  
 44 12.4 2.6 4.0#

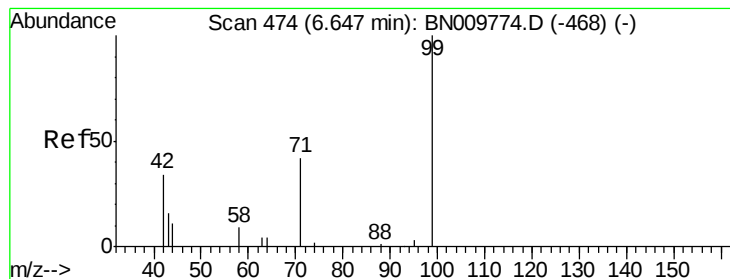


#4

2-Fluorophenol  
 Concen: 0.802 ng  
 RT: 5.08 min Scan# 279  
 Delta R.T. -0.01 min  
 Lab File: BN009775.D  
 Acq: 19 Feb 2020 12:56

Tgt Ion: 112 Resp: 1704  
 Ion Ratio Lower Upper  
 112 100  
 64 79.9 65.8 98.6  
 63 46.7 38.7 58.1





#5

Phenol-d6

Concen: 0.851 ng

RT: 6.63 min Scan# 472

Delta R.T. -0.02 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

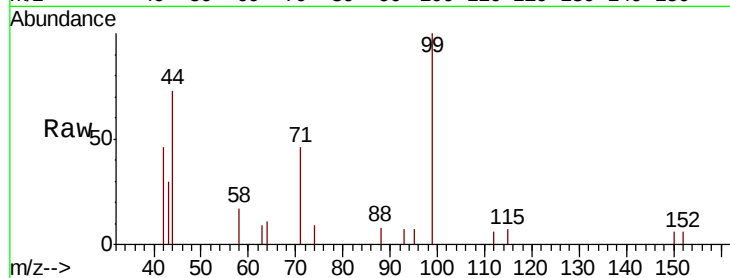
Tot Ion: 99 Resp: 2092

Ion Ratio Lower Upper

99 100

42 35.2 30.8 46.2

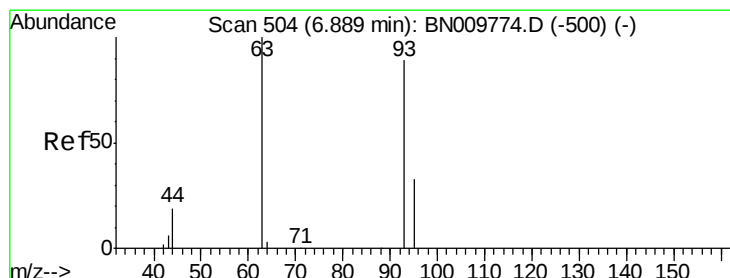
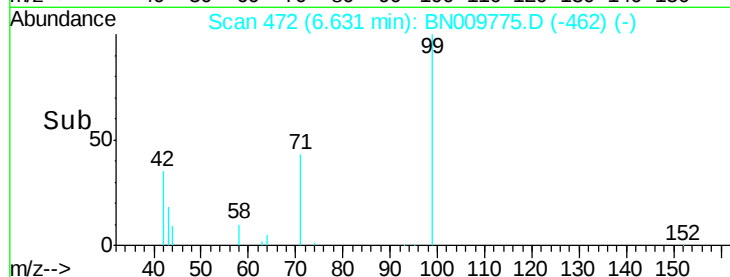
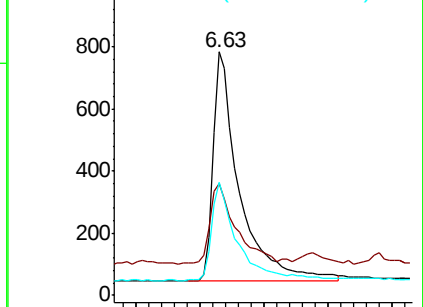
71 42.1 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN009775.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN009775.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN009775.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.839 ng

RT: 6.88 min Scan# 503

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

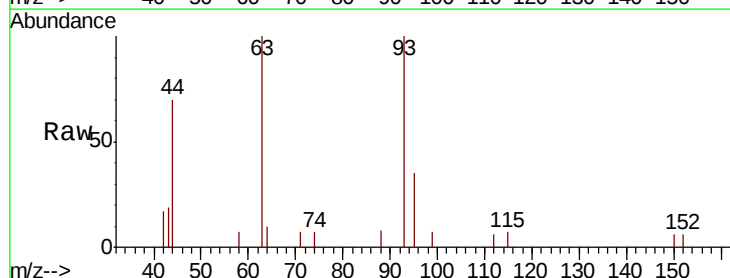
Tgt Ion: 93 Resp: 2122

Ion Ratio Lower Upper

93 100

63 93.0 74.0 111.0

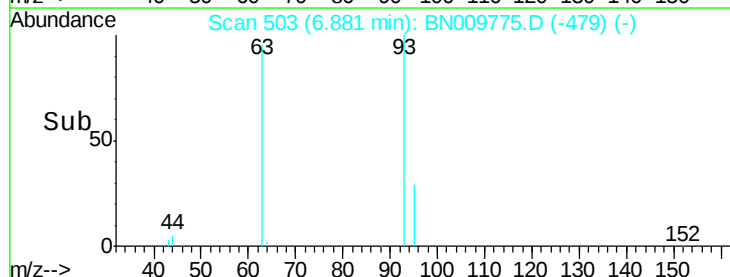
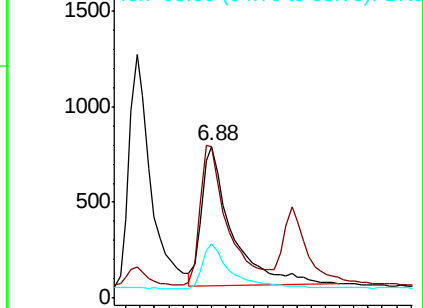
95 31.0 26.7 40.1

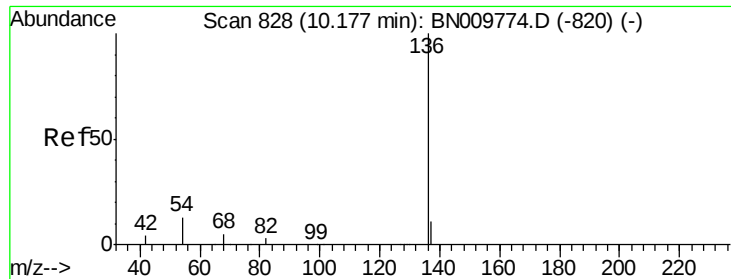


Abundance Ion 93.00 (92.70 to 93.70): BN009775.D (-479) (-)

Ion 63.00 (62.70 to 63.70): BN009775.D (-479) (-)

Ion 95.00 (94.70 to 95.70): BN009775.D (-479) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 3126

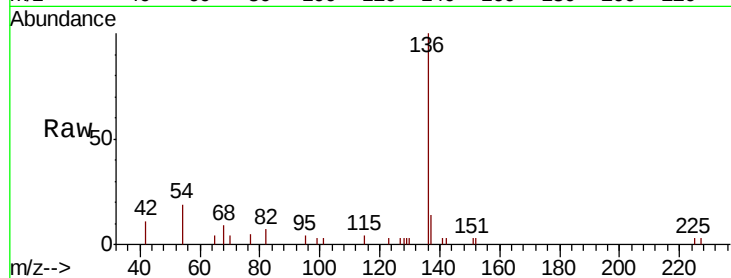
Ion Ratio Lower Upper

136 100

137 13.6 11.3 16.9

54 19.3 13.4 20.2

68 9.4 7.0 10.4

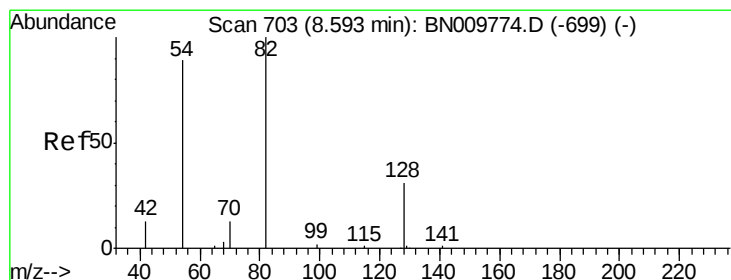
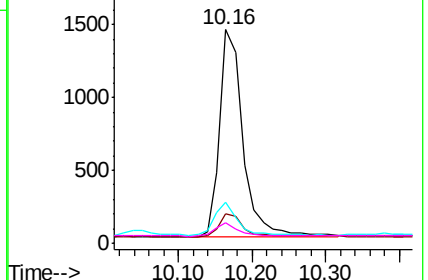
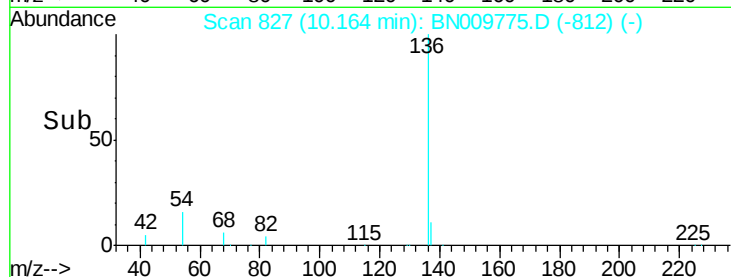


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.837 ng

RT: 8.58 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

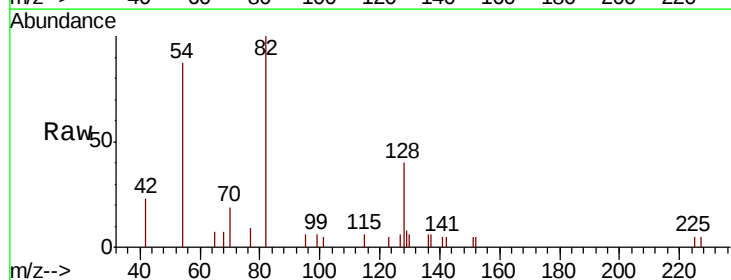
Tgt Ion: 82 Resp: 2086

Ion Ratio Lower Upper

82 100

128 40.1 32.5 48.7

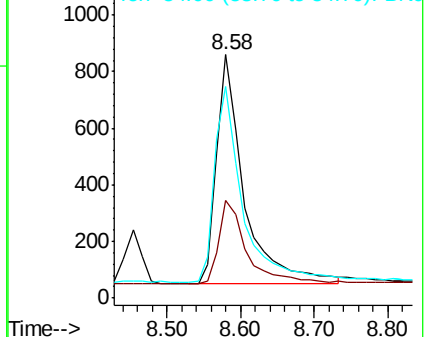
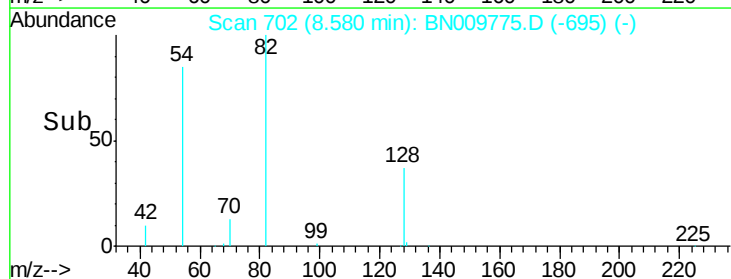
54 86.7 73.5 110.3



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: 0.821 ng

RT: 10.22 min Scan# 831

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

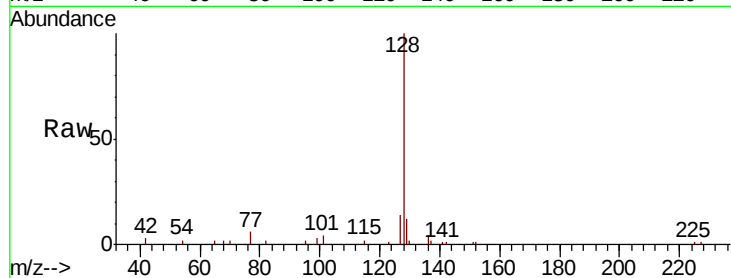
Tot Ion:128 Resp: 6948

Ion Ratio Lower Upper

128 100

129 12.2 11.1 16.7

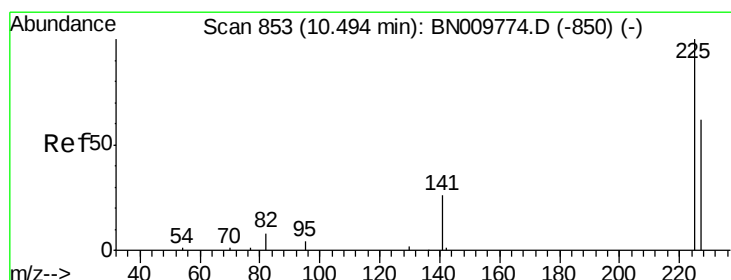
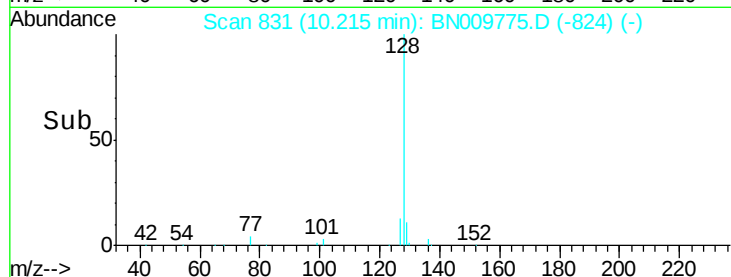
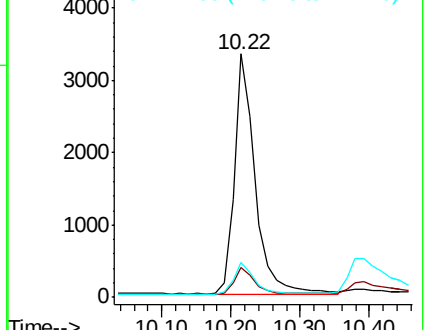
127 14.1 12.6 19.0



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: 0.813 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

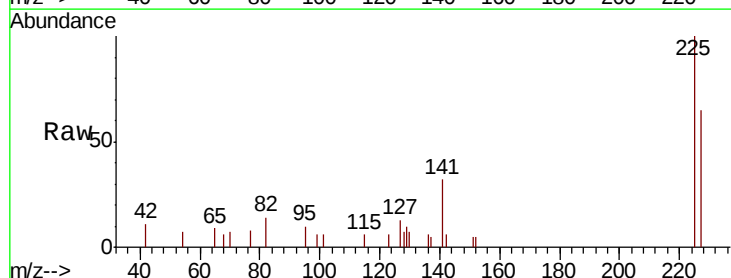
Tgt Ion:225 Resp: 1509

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

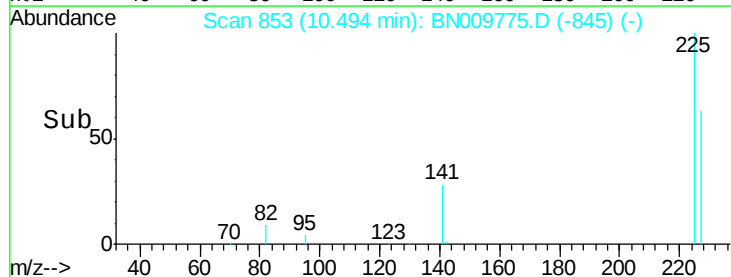
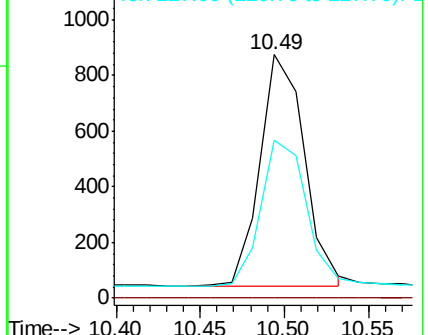
227 65.0 53.4 80.2



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.827 ng

RT: 11.77 min Scan# 993

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

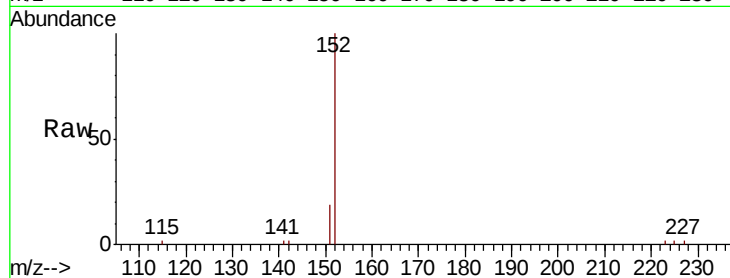
ClientSampleId :

Tot Ion:152 Resp: 4992

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.77

2500

2000

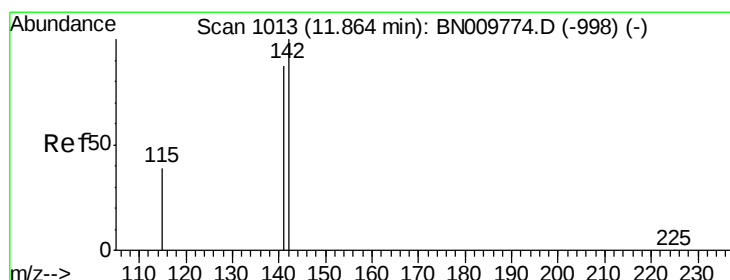
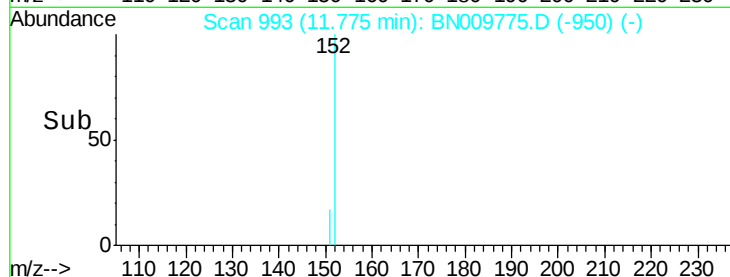
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.810 ng

RT: 11.85 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

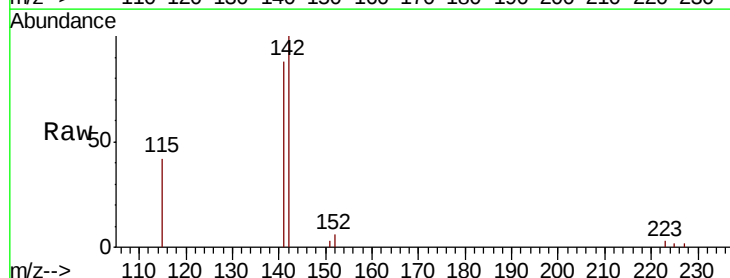
Tgt Ion:142 Resp: 4776

Ion Ratio Lower Upper

142 100

141 88.5 69.8 104.6

115 41.7 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

11.85

3000

2500

2000

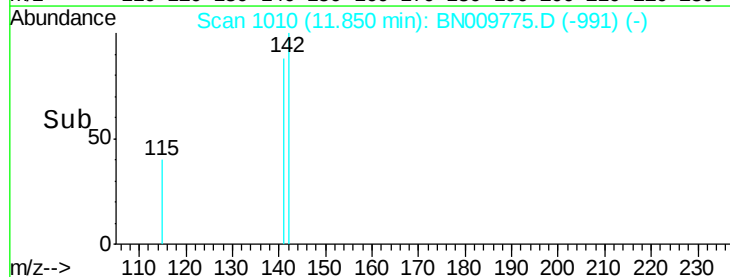
1500

1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

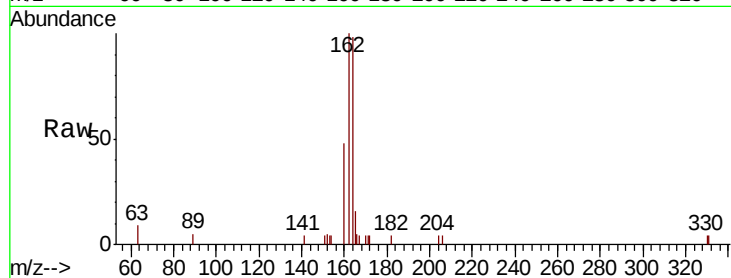
Tot Ion:164 Resp: 1993

Ion Ratio Lower Upper

164 100

162 102.2 79.9 119.9

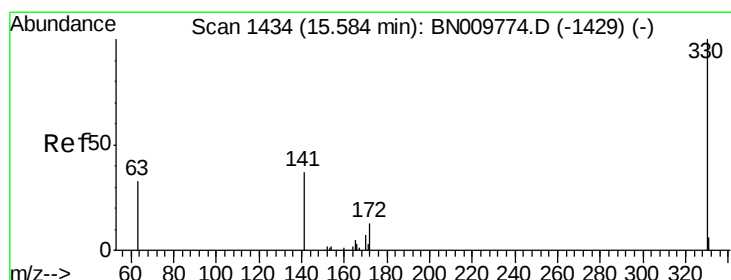
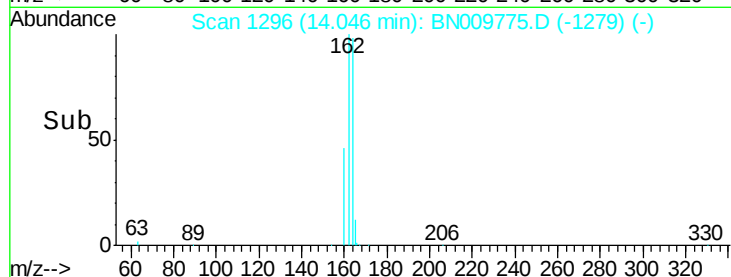
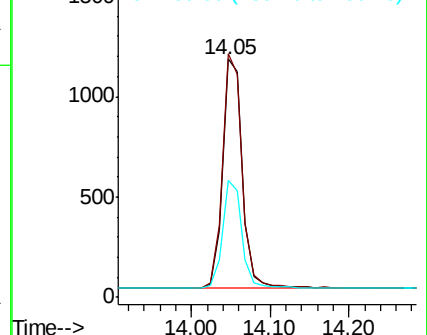
160 48.9 38.2 57.2



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: 0.783 ng

RT: 15.57 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

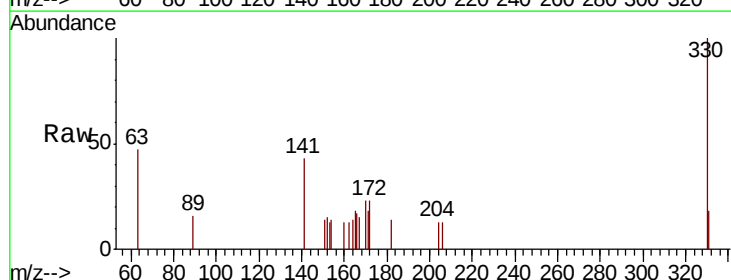
Tgt Ion:330 Resp: 590

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

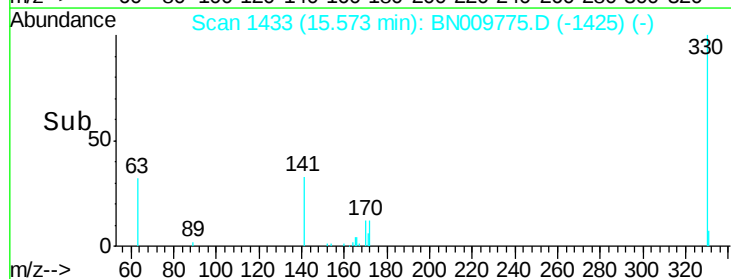
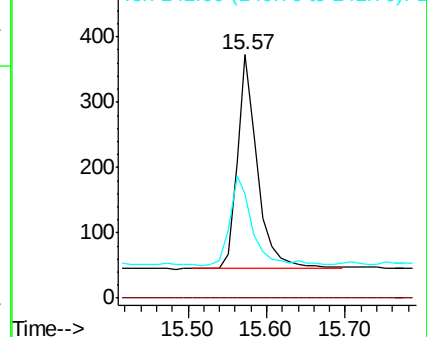
141 46.8 36.8 55.2



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

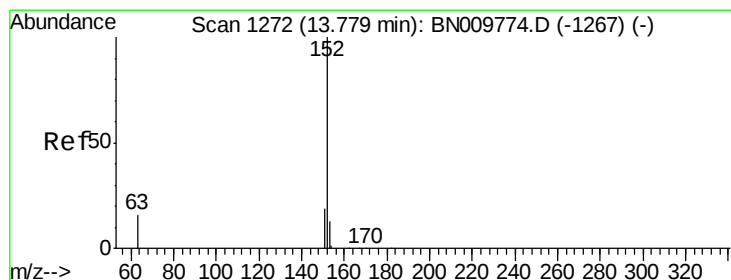
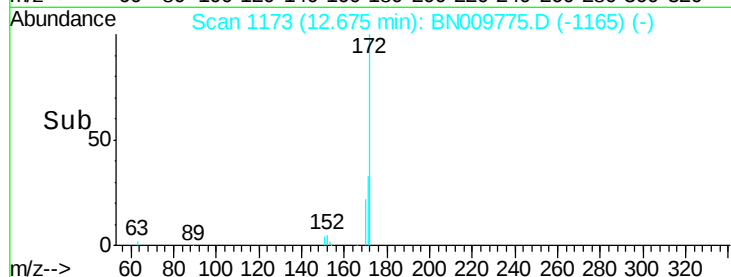
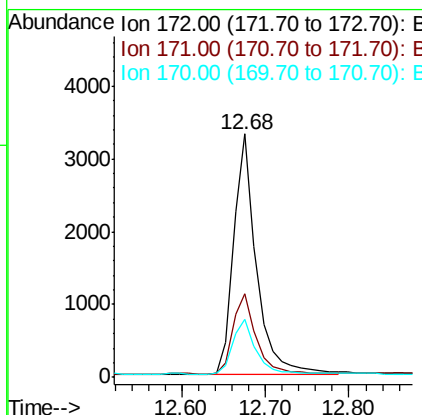
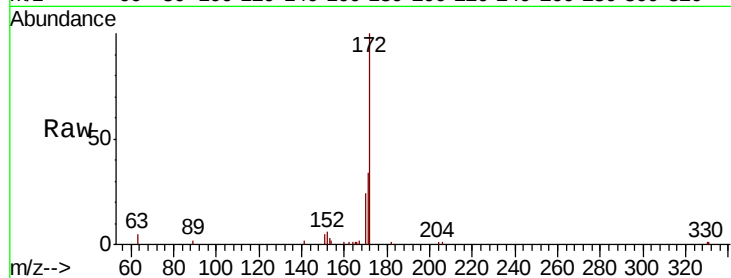




#15  
2-Fluorobiphenyl  
Concen: 0.830 ng  
RT: 12.68 min Scan# 1173  
Delta R.T. -0.01 min  
Lab File: BN009775.D  
Acq: 19 Feb 2020 12:56

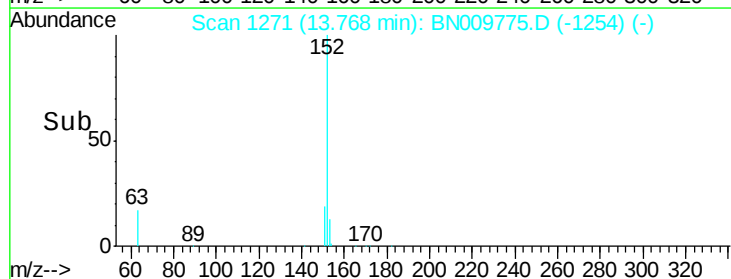
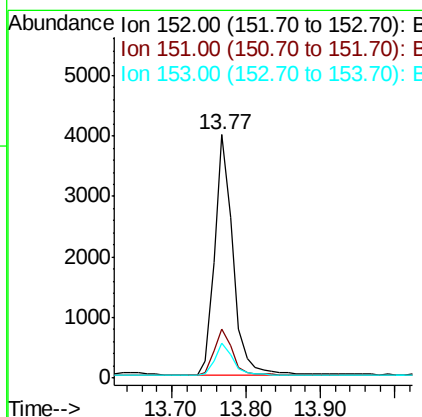
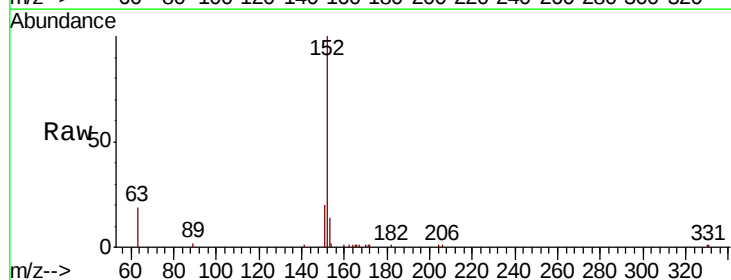
Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:172 Resp: 6187  
Ion Ratio Lower Upper  
172 100  
171 34.3 28.7 43.1  
170 23.7 20.1 30.1



#16  
Acenaphthylene  
Concen: 0.788 ng  
RT: 13.77 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: BN009775.D  
Acq: 19 Feb 2020 12:56

Tgt Ion:152 Resp: 6778  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.8 23.6  
153 13.2 10.2 15.4





#17

Acenaphthene

Concen: 0.800 ng

RT: 14.11 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

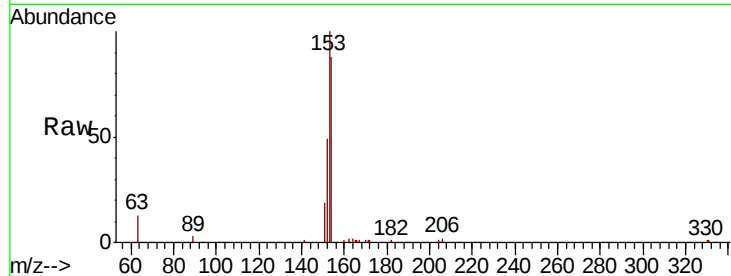
Tot Ion:154 Resp: 4837

Ion Ratio Lower Upper

154 100

153 113.5 88.9 133.3

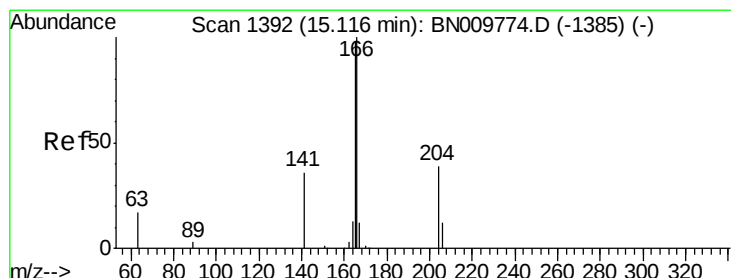
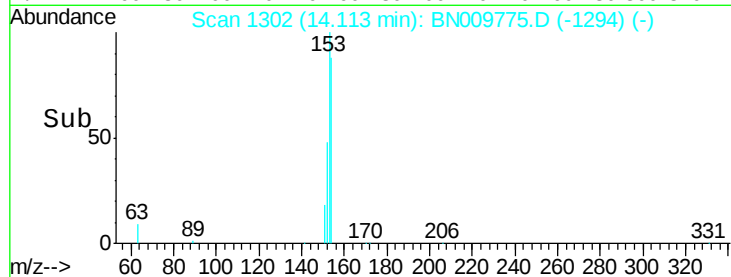
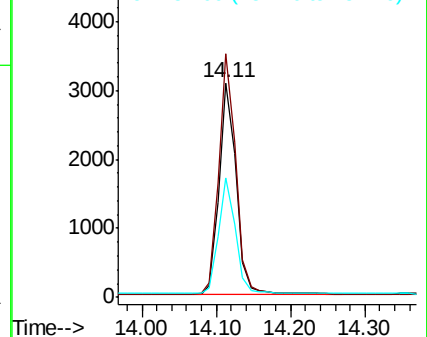
152 54.8 44.2 66.2



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: 0.819 ng

RT: 15.12 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

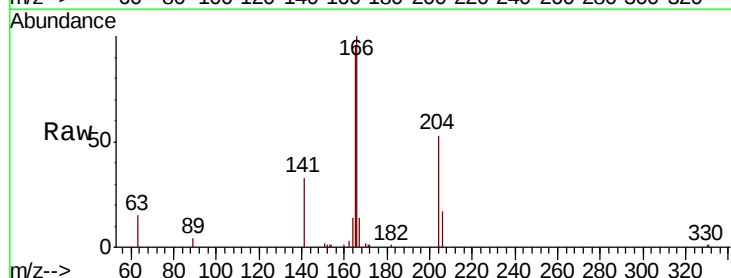
Tgt Ion:166 Resp: 6454

Ion Ratio Lower Upper

166 100

165 96.7 77.2 115.8

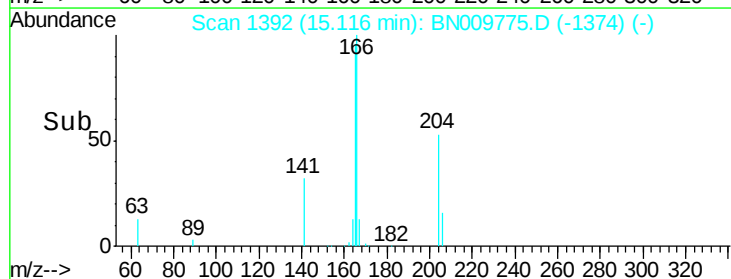
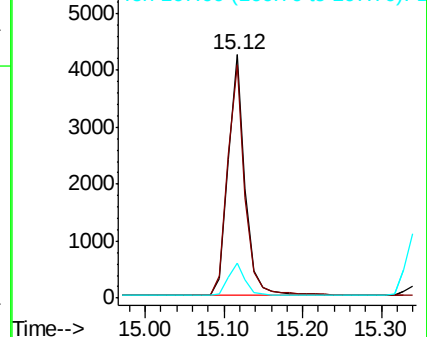
167 13.4 10.5 15.7



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: 16.82 min Scan# 1548

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

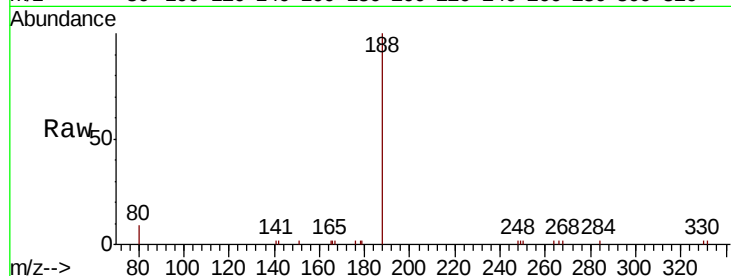
Tot Ion:188 Resp: 4520

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

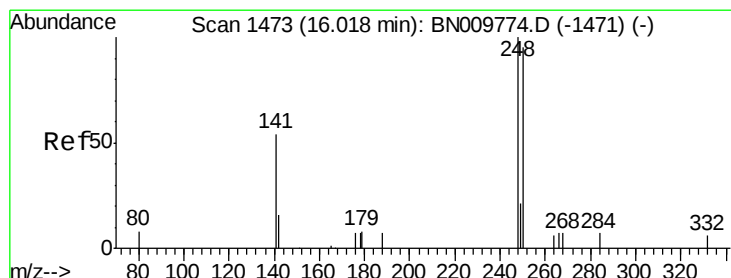
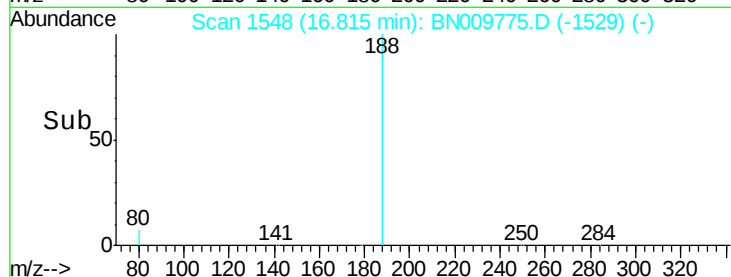
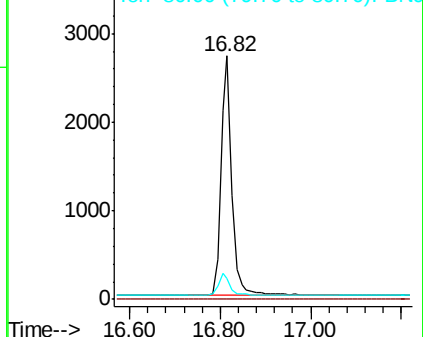
80 8.8 8.3 12.5



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



#20

4-Bromophenyl-phenylether

Concen: 0.831 ng

RT: 16.02 min Scan# 1473

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

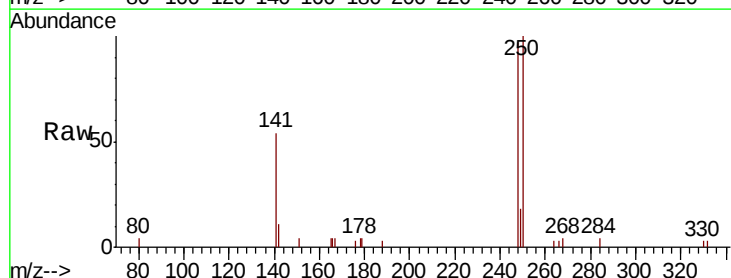
Tgt Ion:248 Resp: 2263

Ion Ratio Lower Upper

248 100

250 103.0 76.2 114.4

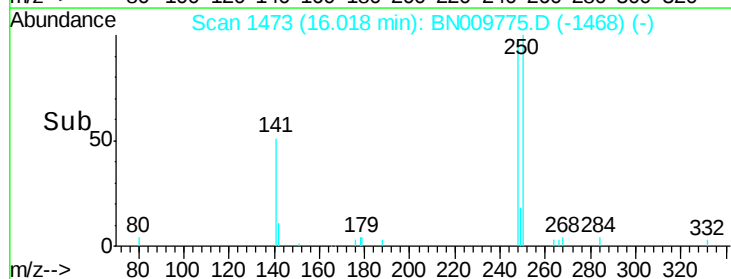
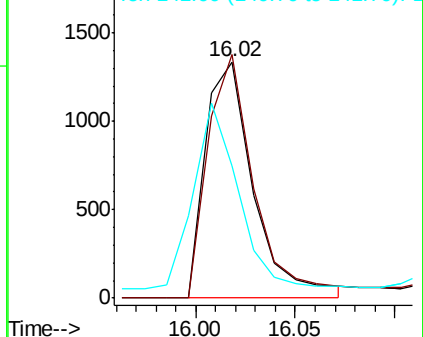
141 56.0 57.8 86.6#

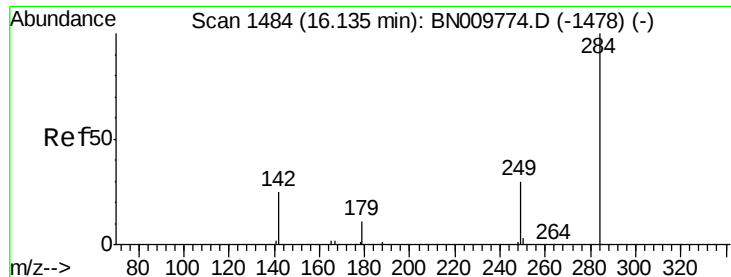


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.781 ng

RT: 16.12 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

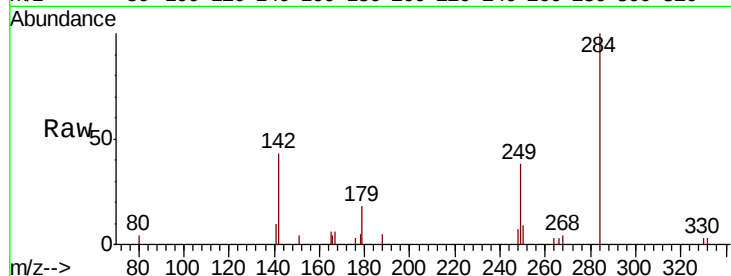
Tot Ion:284 Resp: 2263

Ion Ratio Lower Upper

284 100

142 41.4 33.3 49.9

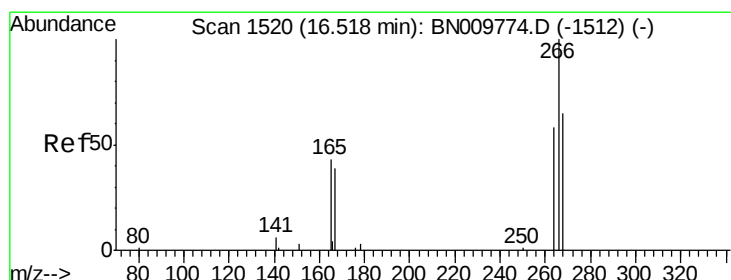
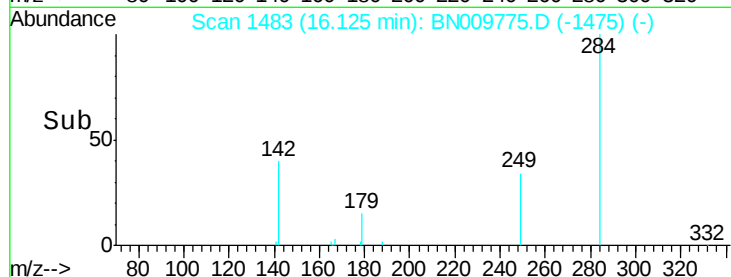
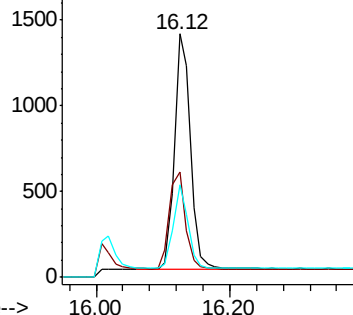
249 31.9 25.7 38.5



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: 0.664 ng

RT: 16.50 min Scan# 1518

Delta R.T. -0.02 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

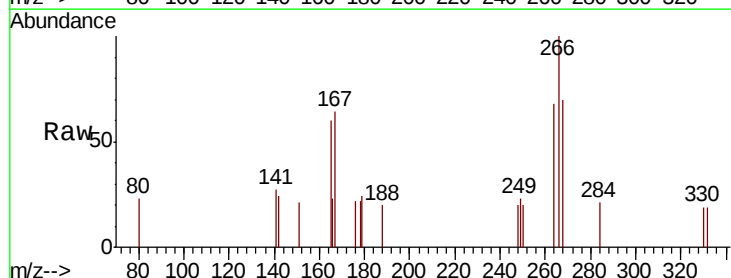
Tgt Ion:266 Resp: 540

Ion Ratio Lower Upper

266 100

264 67.7 58.1 87.1

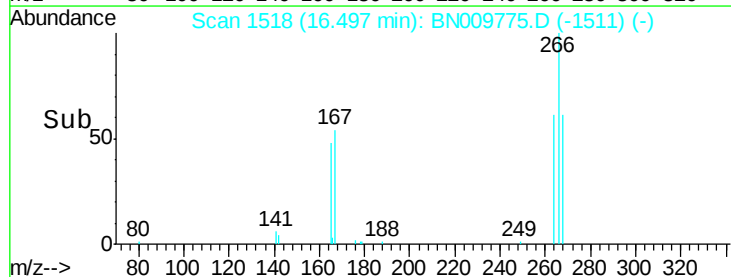
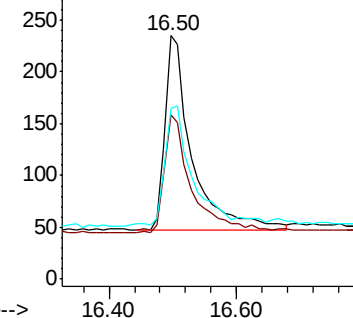
268 70.2 65.7 98.5

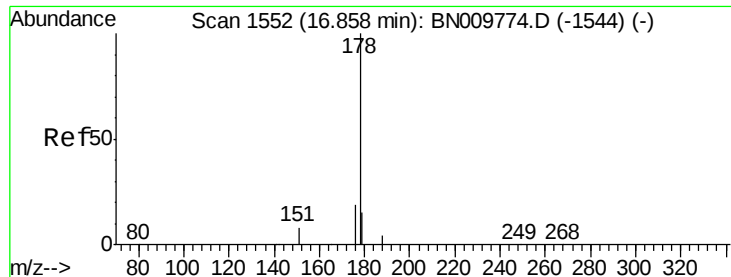


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.798 ng

RT: 16.86 min Scan# 1552

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

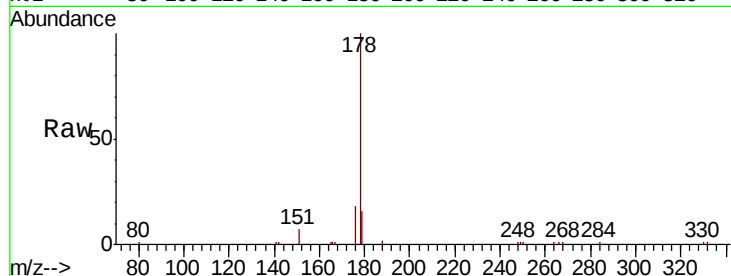
Tot Ion:178 Resp: 10837

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

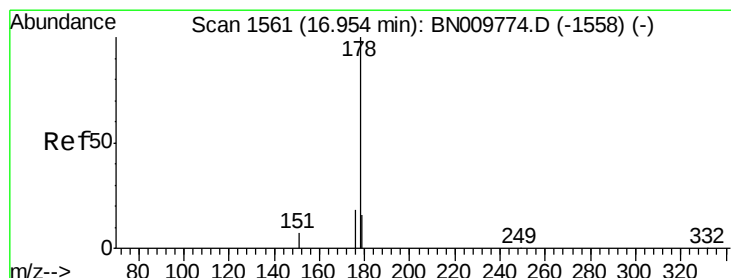
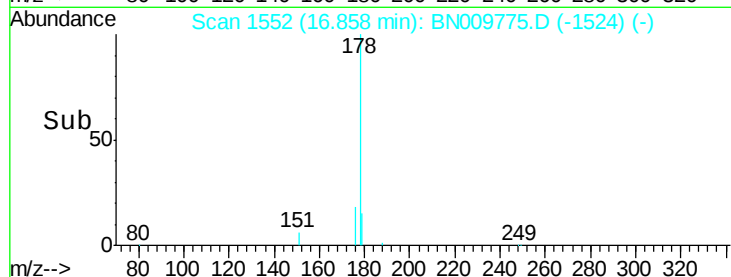
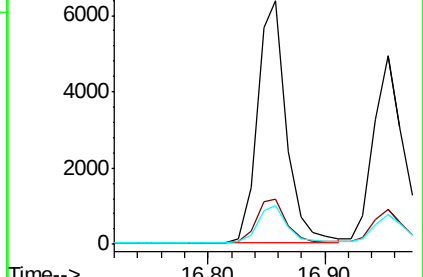
179 15.2 12.4 18.6



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: 0.806 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

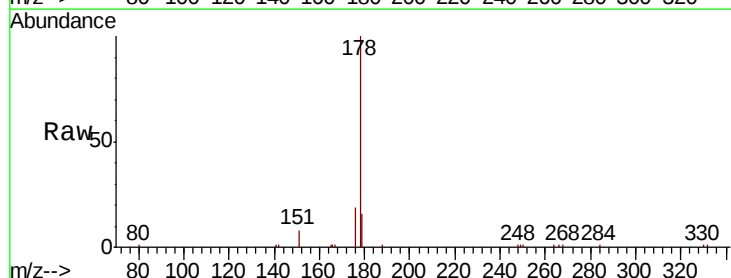
Tgt Ion:178 Resp: 9190

Ion Ratio Lower Upper

178 100

176 18.0 14.3 21.5

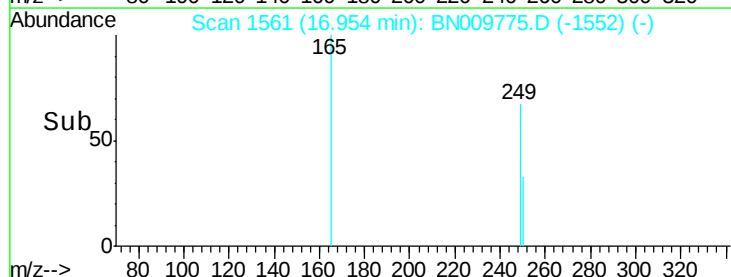
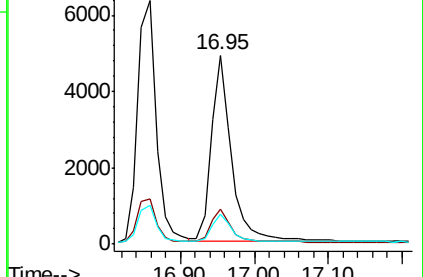
179 15.0 12.4 18.6

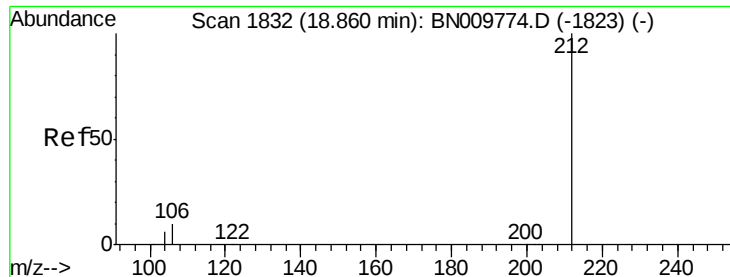


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.816 ng

RT: 18.85 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampled :

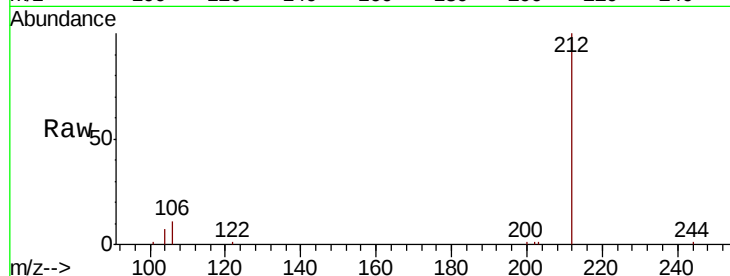
Tot Ion:212 Resp: 12642

Ion Ratio Lower Upper

212 100

106 10.7 8.4 12.6

104 6.0 4.8 7.2



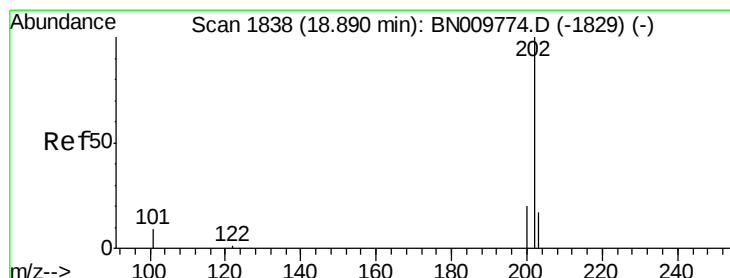
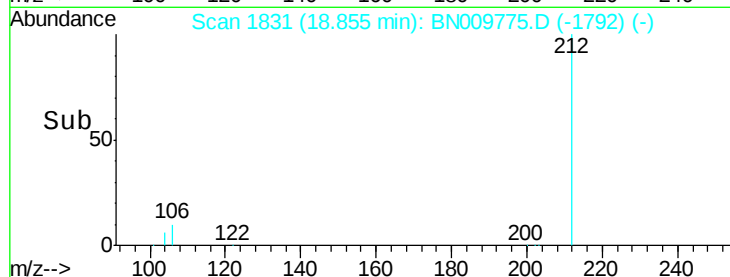
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

18.85

Time-->



#26

Fluoranthene

Concen: 0.813 ng

RT: 18.88 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

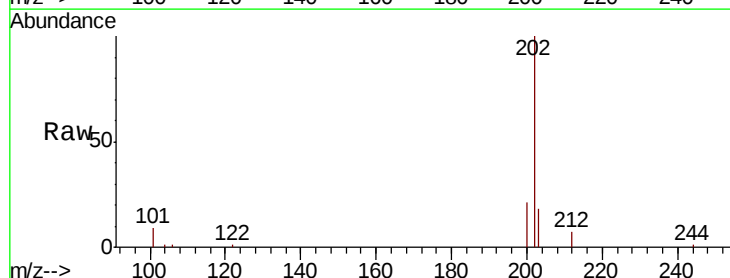
Tgt Ion:202 Resp: 12945

Ion Ratio Lower Upper

202 100

101 8.9 7.1 10.7

203 17.1 13.8 20.6



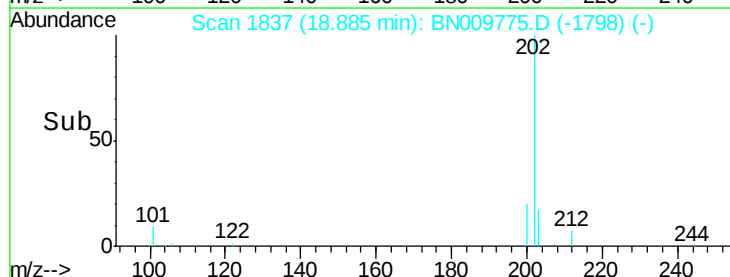
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

18.88

Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

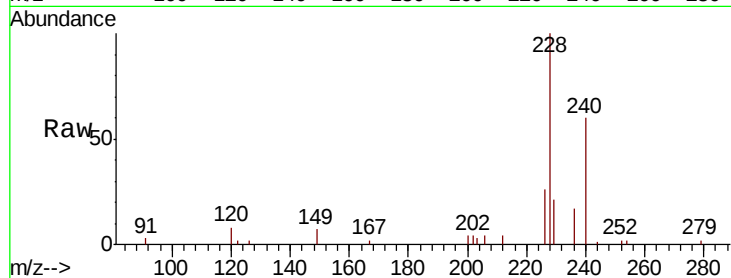
Tot Ion:240 Resp: 4119

Ion Ratio Lower Upper

240 100

120 13.8 7.9 11.9#

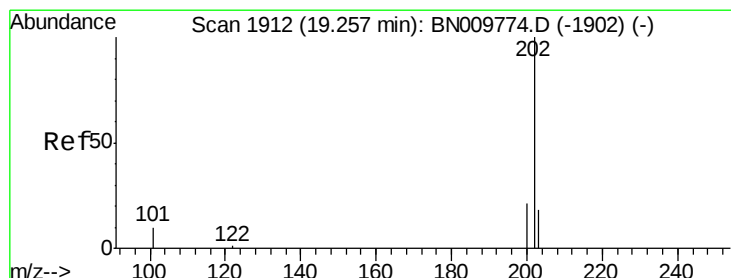
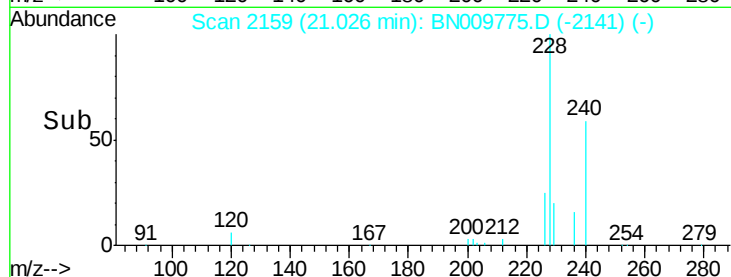
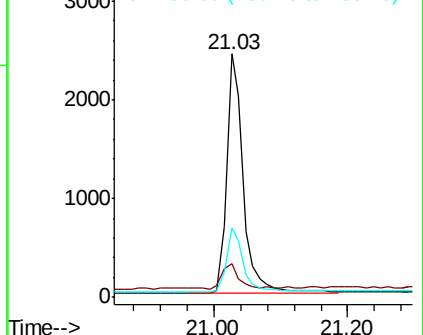
236 28.7 22.0 33.0



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: 0.819 ng

RT: 19.25 min Scan# 1911

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

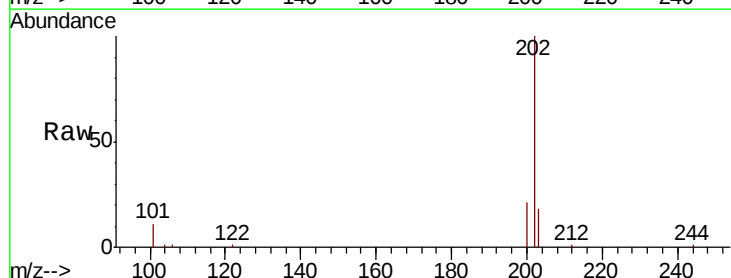
Tgt Ion:202 Resp: 12780

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

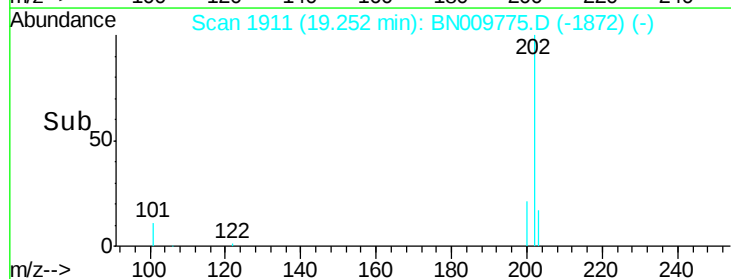
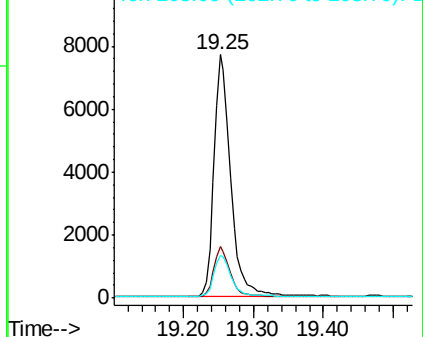
203 17.5 13.9 20.9

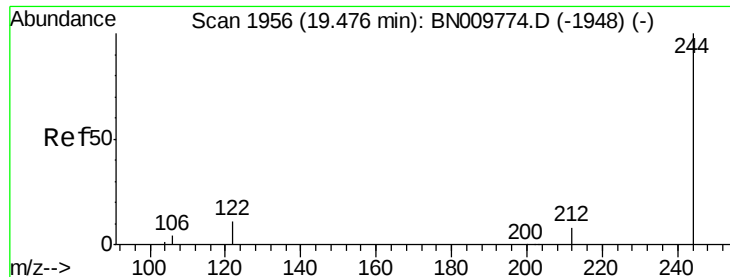


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.828 ng

RT: 19.48 min Scan# 1956

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

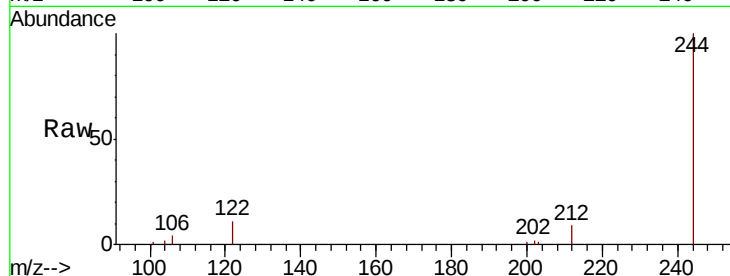
Tot Ion:244 Resp: 8076

Ion Ratio Lower Upper

244 100

212 9.3 8.0 12.0

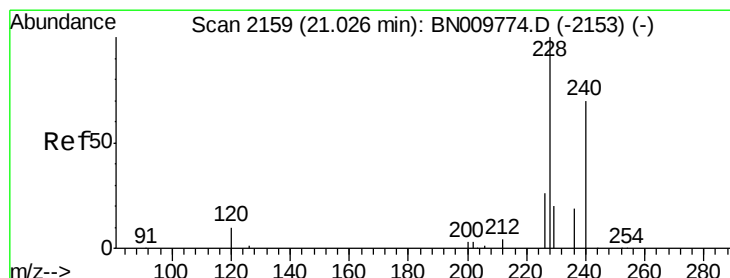
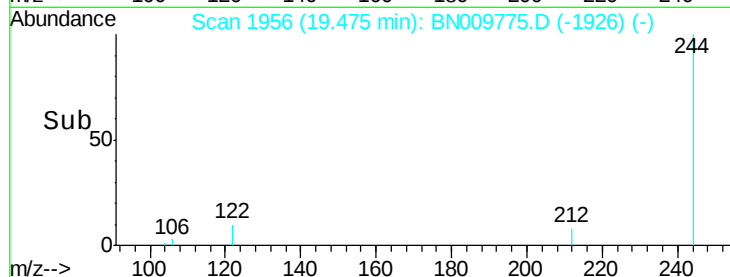
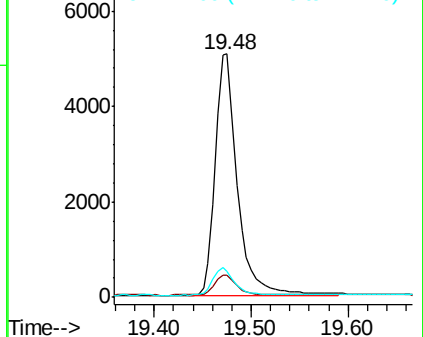
122 10.7 10.0 15.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.840 ng

RT: 21.02 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

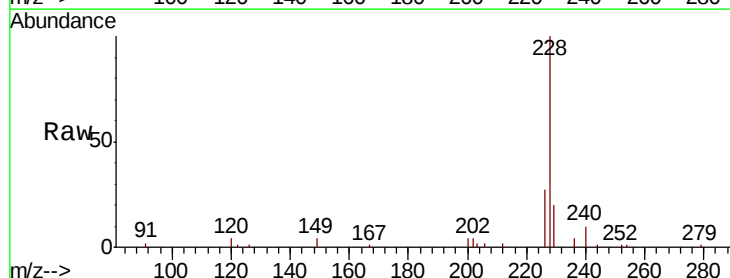
Tgt Ion:228 Resp: 11377

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

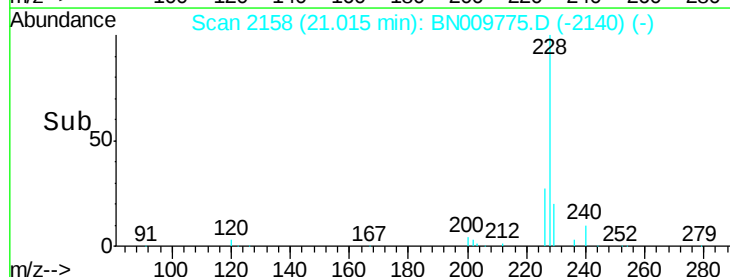
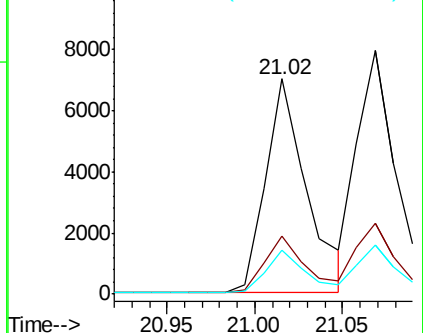
229 20.4 17.1 25.7

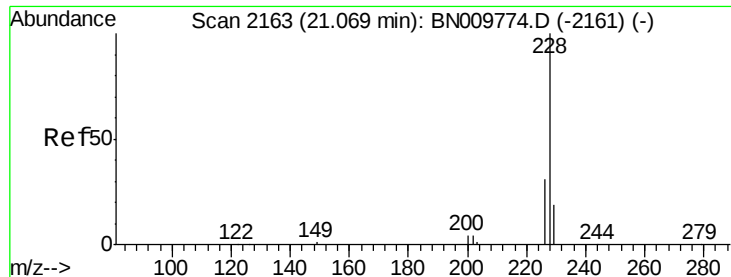


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrvsene

Concen: 0.816 ng

RT: 21.07 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

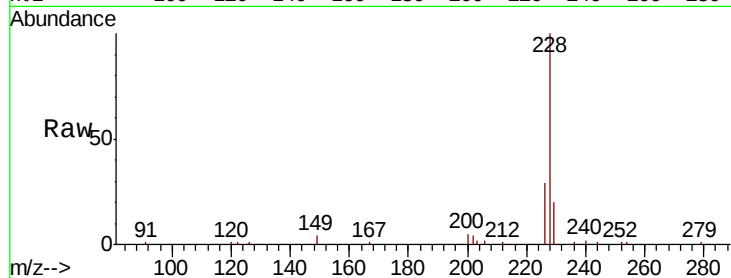
Tot Ion:228 Resp: 12644

Ion Ratio Lower Upper

228 100

226 29.0 24.8 37.2

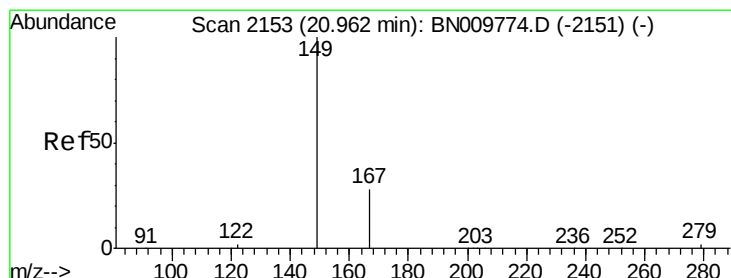
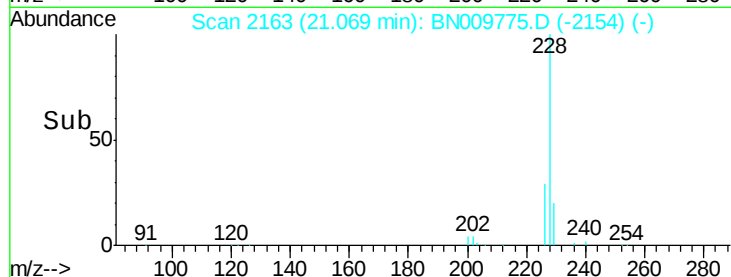
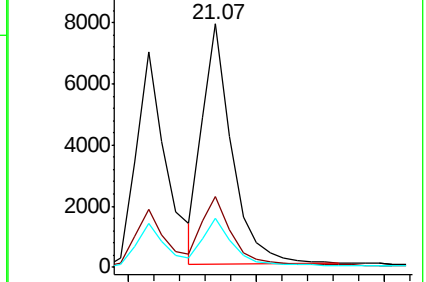
229 20.1 16.4 24.6



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: 0.838 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

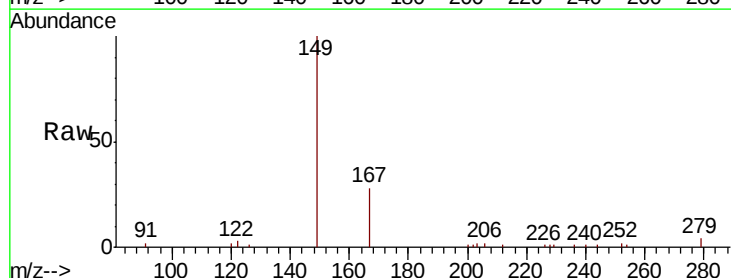
Tgt Ion:149 Resp: 5015

Ion Ratio Lower Upper

149 100

167 28.0 22.7 34.1

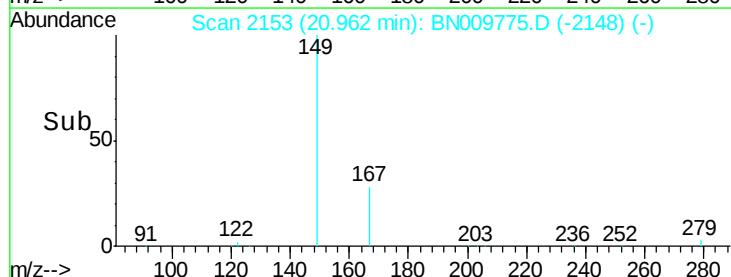
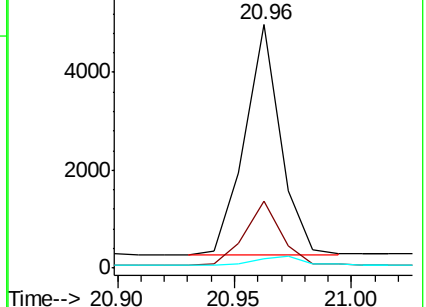
279 4.1 3.1 4.7

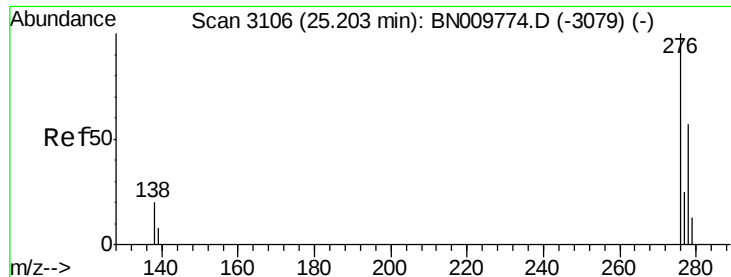


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

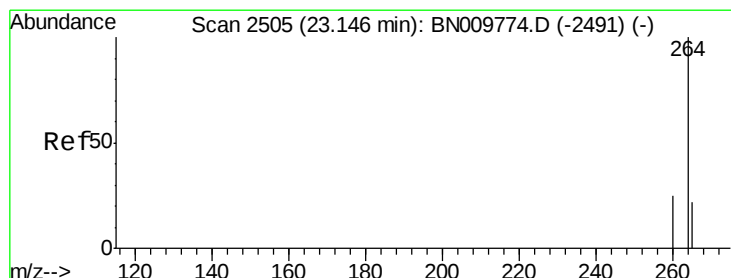
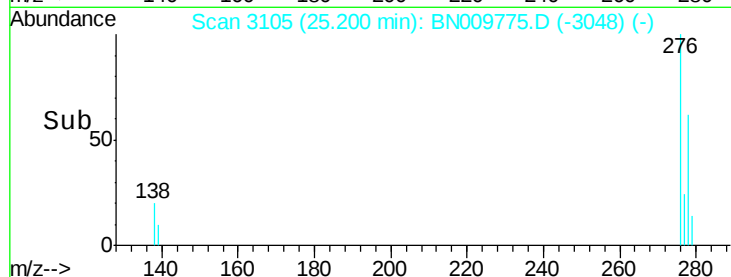
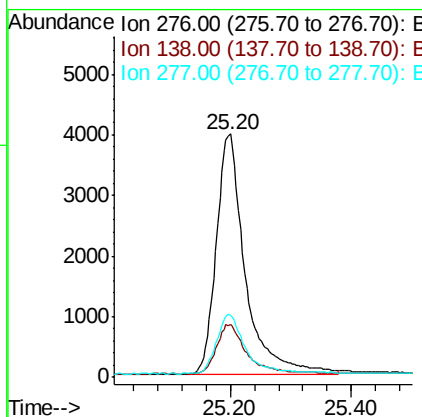
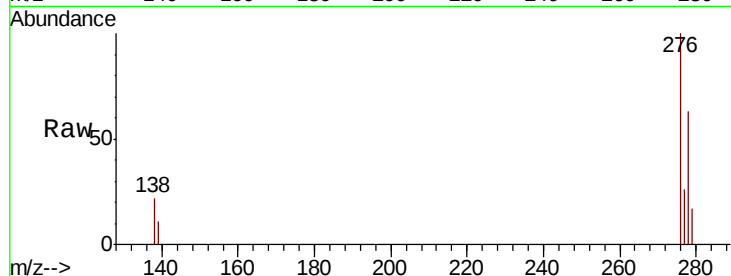




#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.822 ng  
RT: 25.20 min Scan# 3105  
Delta R.T. -0.00 min  
Lab File: BN009775.D  
Acq: 19 Feb 2020 12:56

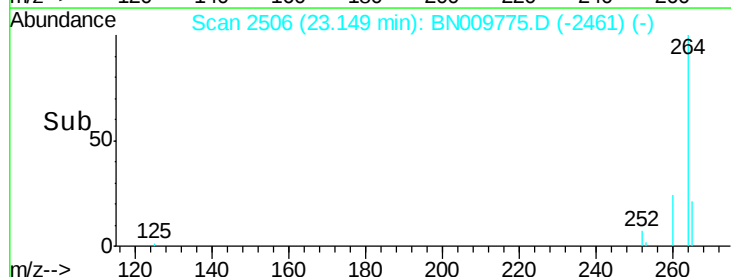
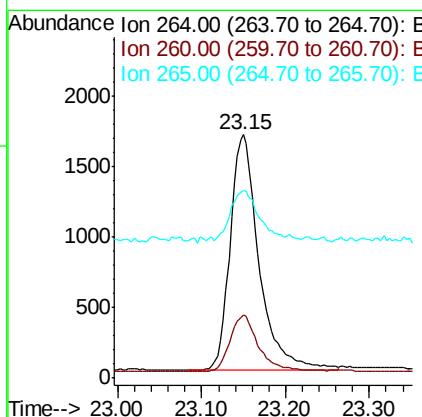
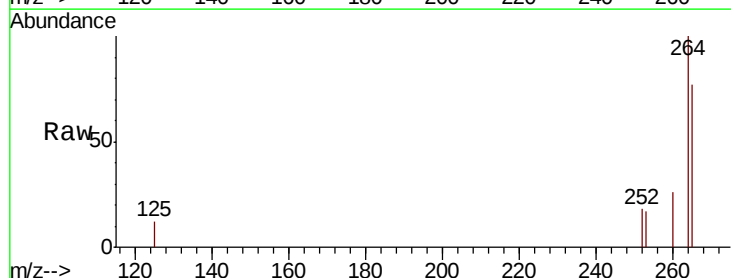
Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:276 Resp: 13238  
Ion Ratio Lower Upper  
276 100  
138 20.6 15.8 23.6  
277 24.3 19.3 28.9



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.15 min Scan# 2506  
Delta R.T. 0.00 min  
Lab File: BN009775.D  
Acq: 19 Feb 2020 12:56

Tgt Ion:264 Resp: 3985  
Ion Ratio Lower Upper  
264 100  
260 25.9 21.1 31.7  
265 77.1 57.5 86.3

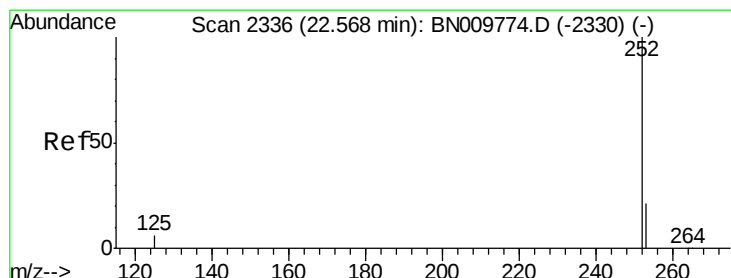
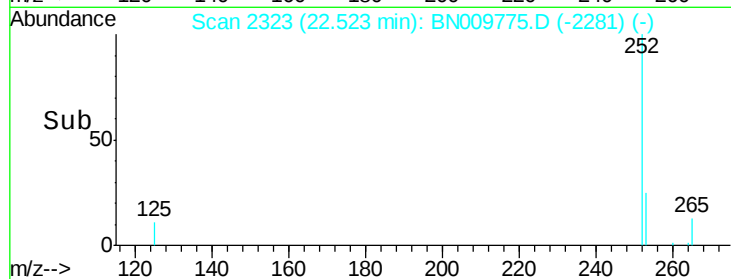
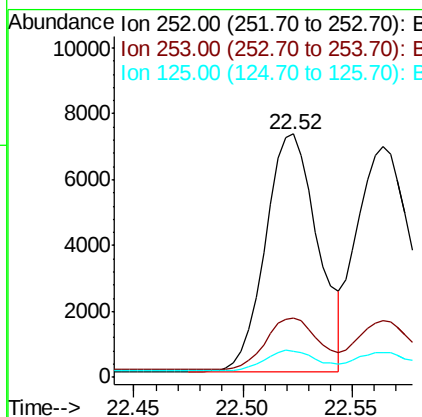
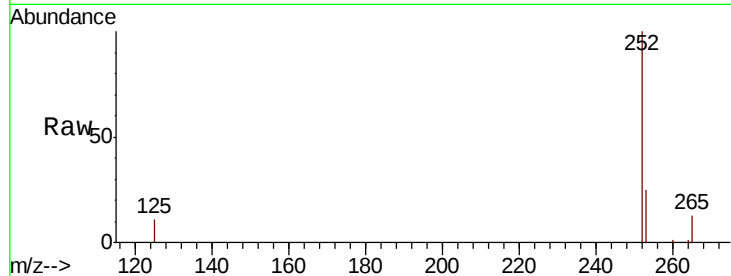




#35  
Benzo(b)fluoranthene  
Concen: 0.823 ng  
RT: 22.52 min Scan# 2323  
Delta R.T. -0.00 min  
Lab File: BN009775.D  
Acq: 19 Feb 2020 12:56

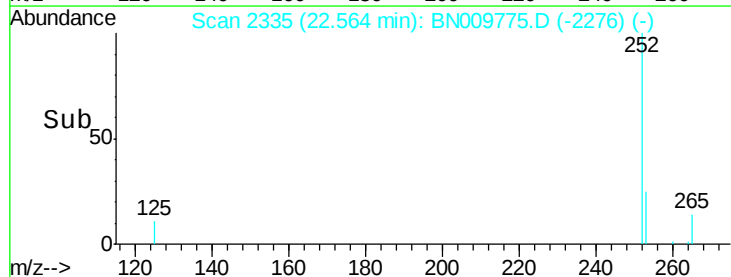
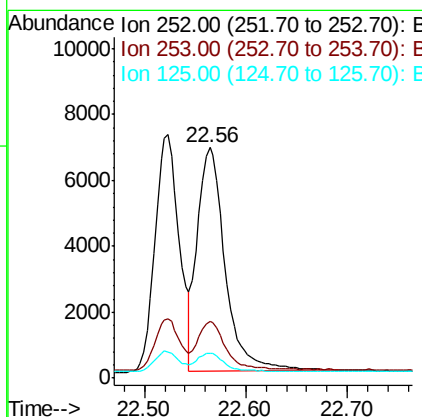
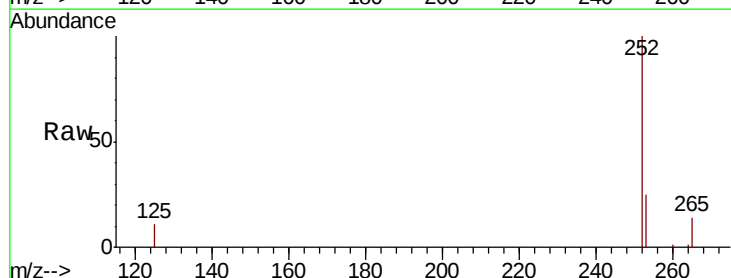
Instrument :  
BNA\_N  
ClientSampleId :

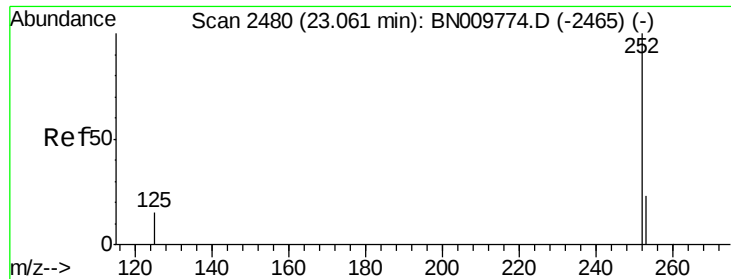
Tot Ion:252 Resp: 12066  
Ion Ratio Lower Upper  
252 100  
253 24.6 23.0 34.6  
125 10.6 14.4 21.6#



#36  
Benzo(k)fluoranthene  
Concen: 0.801 ng  
RT: 22.56 min Scan# 2335  
Delta R.T. -0.00 min  
Lab File: BN009775.D  
Acq: 19 Feb 2020 12:56

Tgt Ion:252 Resp: 12963  
Ion Ratio Lower Upper  
252 100  
253 24.6 22.2 33.2  
125 10.9 10.5 15.7





#37

Benzo(a)pyrene

Concen: 0.832 ng

RT: 23.06 min Scan# 2479

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :

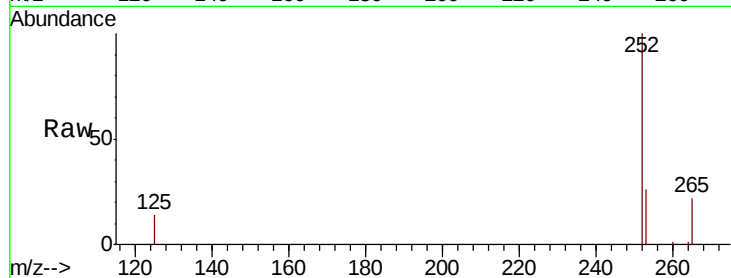
Tot Ion:252 Resp: 10731

Ion Ratio Lower Upper

252 100

253 26.3 25.3 37.9

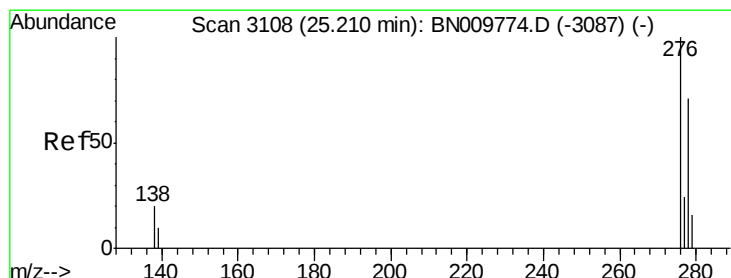
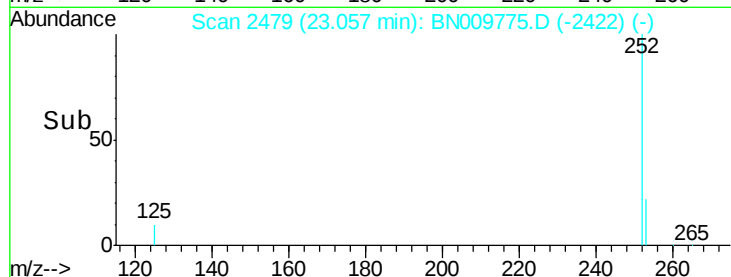
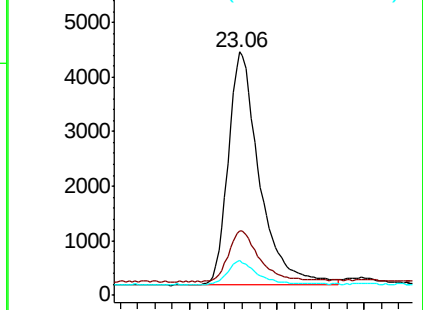
125 14.3 17.7 26.5#



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: 0.826 ng

RT: 25.21 min Scan# 3107

Delta R.T. -0.00 min

Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

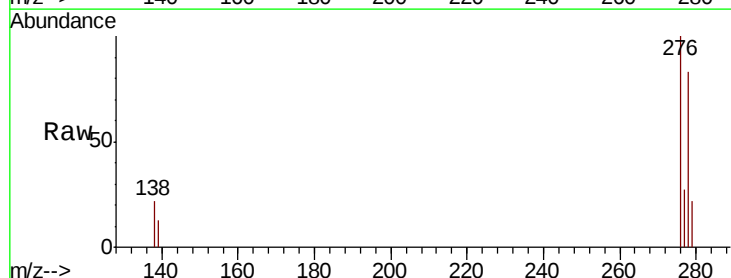
Tgt Ion:278 Resp: 10715

Ion Ratio Lower Upper

278 100

139 15.8 14.5 21.7

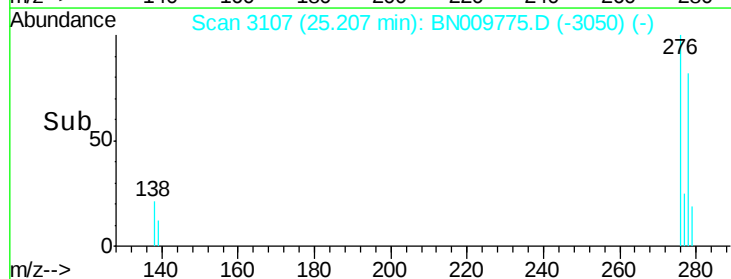
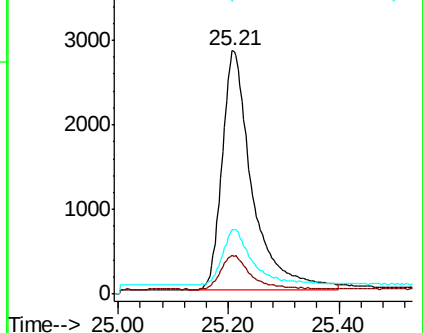
279 26.2 24.3 36.5



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: 0.805 ng

RT: 25.82 min Scan# 3287

Delta R.T. -0.01 min

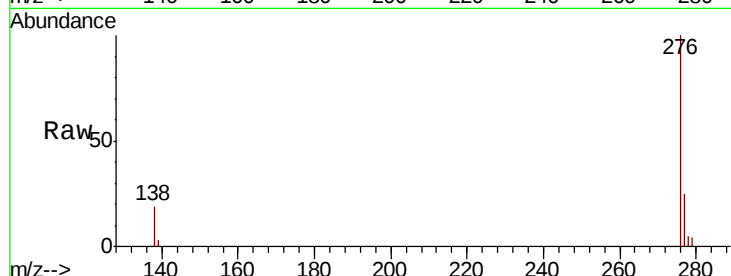
Lab File: BN009775.D

Acq: 19 Feb 2020 12:56

Instrument :

BNA\_N

ClientSampleId :



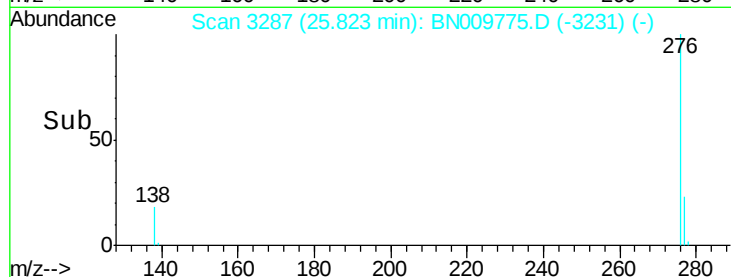
Tot Ion: 276 Resp: 11501

Ion Ratio Lower Upper

276 100

277 25.1 21.4 32.0

138 19.2 16.6 24.8



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

