

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061920\  
 Data File : BN010983.D  
 Acq On : 20 Jun 2020 01:22  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Jun 20 06:17:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 19 12:43:49 2020  
 Response via : Initial Calibration

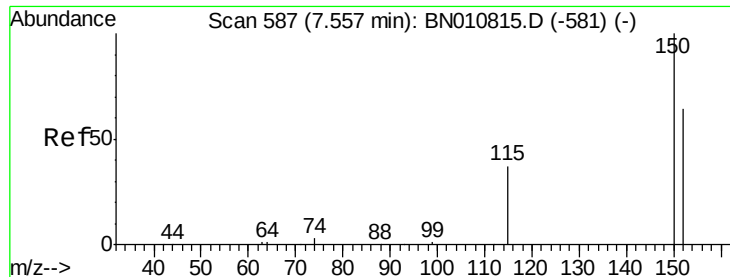
| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 2148     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.28 | 136  | 7298     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.15 | 164  | 4102     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.91 | 188  | 8843     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.11 | 240  | 8725     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.26 | 264  | 10191    | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.18  | 112 | 1875 | 0.45 | ng | 0.00 |
| 5) Phenol-d6                | 6.72  | 99  | 2377 | 0.49 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.67  | 82  | 2260 | 0.42 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.88 | 152 | 4717 | 0.42 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.66 | 330 | 585  | 0.40 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.77 | 172 | 6758 | 0.42 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.95 | 212 | 9998 | 0.41 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.56 | 244 | 7980 | 0.39 | ng | 0.00 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.21  | 88  | 1011  | 0.481  | ng | 96   |
| 3) n-Nitrosodimethylamine      | 3.53  | 42  | 566   | 0.463  | ng | # 99 |
| 6) bis(2-Chloroethyl)ether     | 6.98  | 93  | 2428  | 0.510  | ng | 94   |
| 9) Naphthalene                 | 10.33 | 128 | 7615  | 0.415  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.62 | 225 | 1823  | 0.402  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 11.95 | 142 | 5099  | 0.415  | ng | 99   |
| 16) Acenaphthylene             | 13.86 | 152 | 6942  | 0.413  | ng | 100  |
| 17) Acenaphthene               | 14.22 | 154 | 5226  | 0.456  | ng | 98   |
| 18) Fluorene                   | 15.21 | 166 | 6055  | 0.410  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.11 | 248 | 2072  | 0.390  | ng | 95   |
| 21) Hexachlorobenzene          | 16.22 | 284 | 2205  | 0.398  | ng | 99   |
| 22) Pentachlorophenol          | 16.57 | 266 | 732   | 0.393  | ng | 99   |
| 23) Phenanthrene               | 16.95 | 178 | 9897  | 0.410  | ng | 99   |
| 24) Anthracene                 | 17.03 | 178 | 8208  | 0.407  | ng | 99   |
| 26) Fluoranthene               | 18.98 | 202 | 11144 | 0.406  | ng | 99   |
| 28) Pyrene                     | 19.34 | 202 | 11249 | 0.390  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.10 | 228 | 10232 | 0.399  | ng | 100  |
| 31) Chrysene                   | 21.14 | 228 | 12451 | 0.417  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.06 | 149 | 3824  | 0.447  | ng | 96   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.36 | 276 | 15053 | 0.451  | ng | 97   |
| 35) Benzo(b)fluoranthene       | 22.62 | 252 | 13886 | 0.401  | ng | 98   |
| 36) Benzo(k)fluoranthene       | 22.67 | 252 | 14476 | 0.392  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.17 | 252 | 11921 | 0.401  | ng | 95   |
| 38) Dibenzo(a,h)anthracene     | 25.37 | 278 | 12321 | 0.364  | ng | 97   |
| 39) Benzo(g,h,i)perylene       | 25.99 | 276 | 12654 | 0.357  | ng | 98   |

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



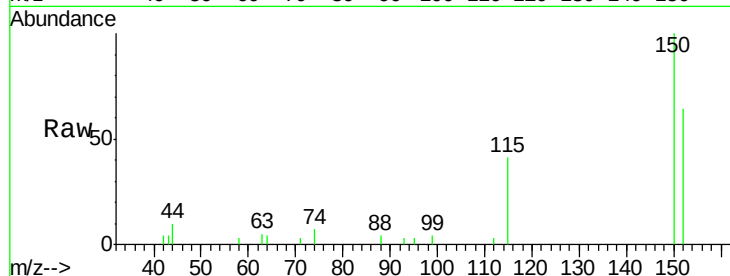


#1

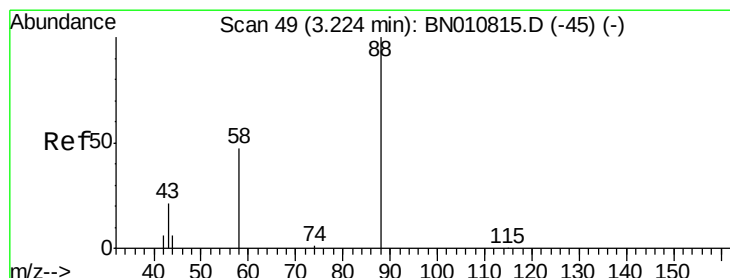
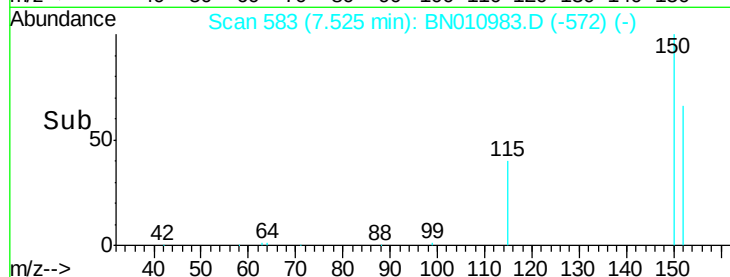
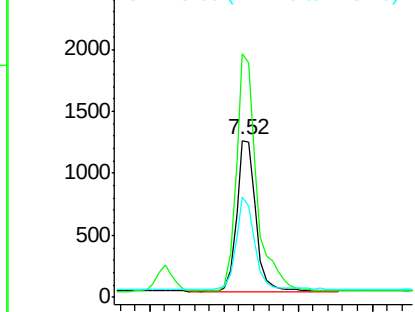
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.52 min Scan# 583  
Delta R.T. -0.01 min  
Lab File: BN010983.D  
Acq: 20 Jun 2020 01:22

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:152 Resp: 2148  
Ion Ratio Lower Upper  
152 100  
150 155.1 123.8 185.6  
115 63.7 49.2 73.8



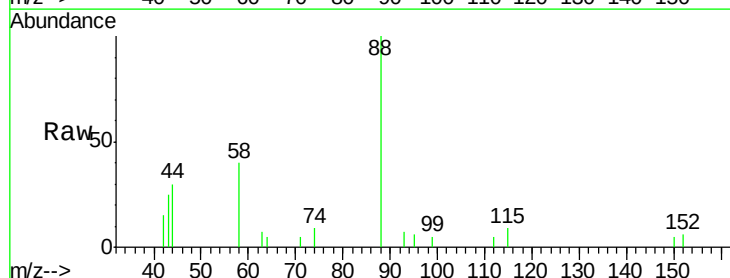
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



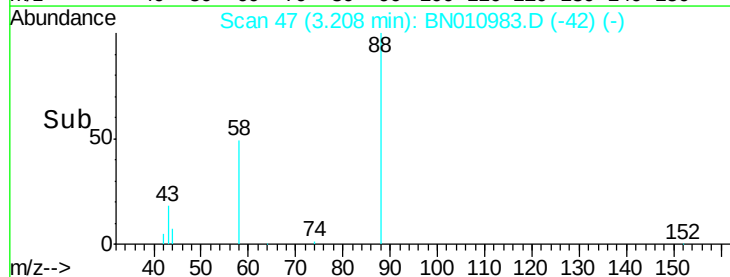
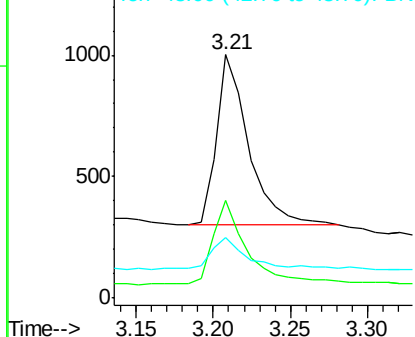
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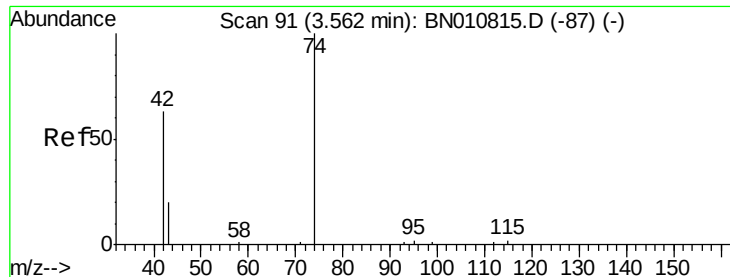
1,4-Dioxane  
Concen: 0.481 ng  
RT: 3.21 min Scan# 47  
Delta R.T. -0.01 min  
Lab File: BN010983.D  
Acq: 20 Jun 2020 01:22

Tgt Ion: 88 Resp: 1011  
Ion Ratio Lower Upper  
88 100  
58 50.8 38.2 57.4  
43 19.7 15.1 22.7



Abundance Ion 88.00 (87.70 to 88.70): BN0  
Ion 58.00 (57.70 to 58.70): BN0  
Ion 43.00 (42.70 to 43.70): BN0



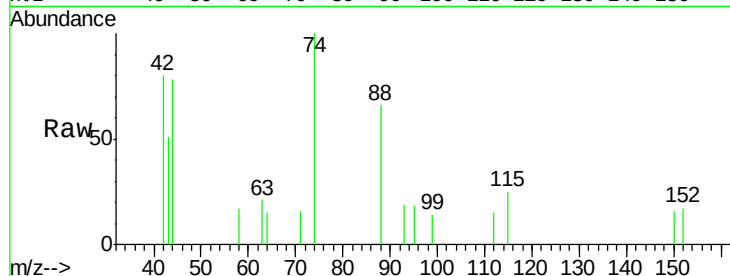


#3

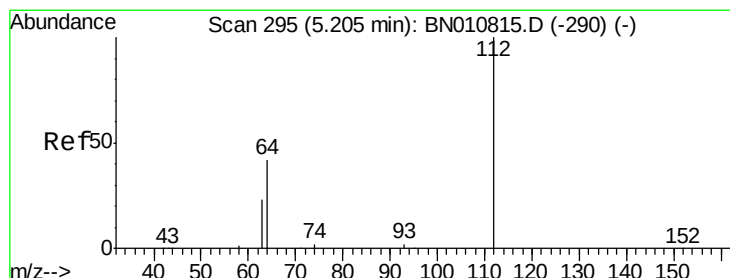
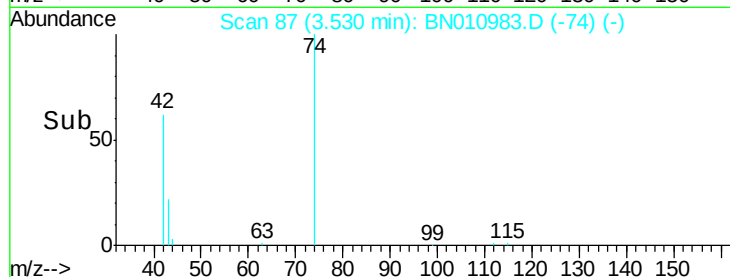
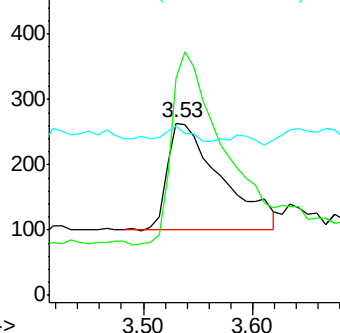
n-Nitrosodimethylamine  
 Concen: 0.463 ng  
 RT: 3.53 min Scan# 87  
 Delta R.T. 0.01 min  
 Lab File: BN010983.D  
 Acq: 20 Jun 2020 01:22

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Tot Ion: 42 Resp: 566  
 Ion Ratio Lower Upper  
 42 100  
 74 177.0 140.7 211.1  
 44 6.0 1.4 2.2#



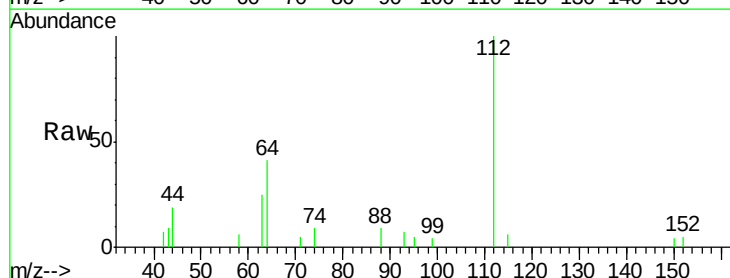
Abundance Ion 42.00 (41.70 to 42.70): BN0  
 Ion 74.00 (73.70 to 74.70): BN0  
 Ion 44.00 (43.70 to 44.70): BN0



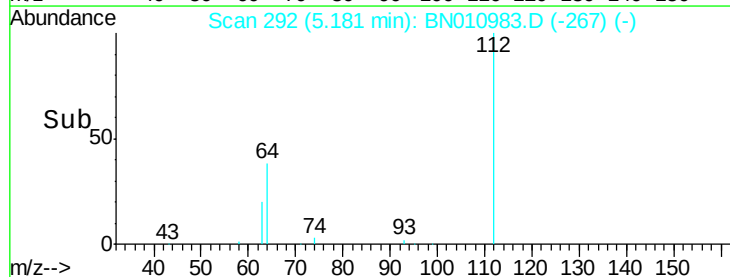
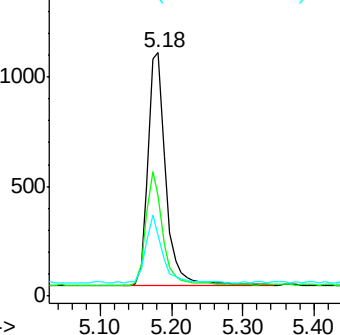
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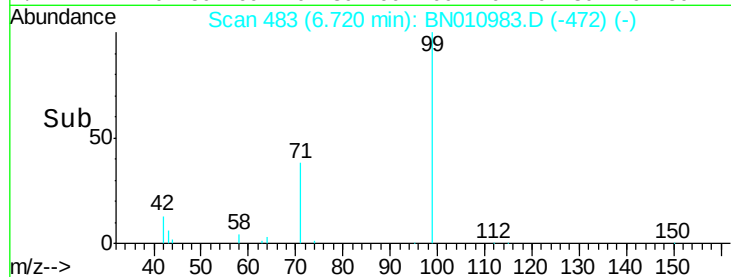
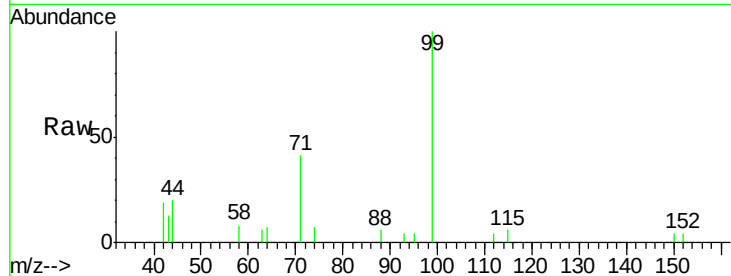
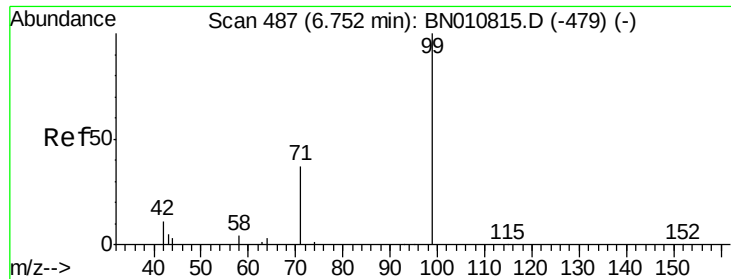
2-Fluorophenol  
 Concen: 0.452 ng  
 RT: 5.18 min Scan# 292  
 Delta R.T. 0.00 min  
 Lab File: BN010983.D  
 Acq: 20 Jun 2020 01:22

Tgt Ion: 112 Resp: 1875  
 Ion Ratio Lower Upper  
 112 100  
 64 46.3 37.4 56.0  
 63 25.5 22.2 33.4



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





#5

Phenol-d6

Concen: 0.487 ng

RT: 6.72 min Scan# 483

Delta R.T. -0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

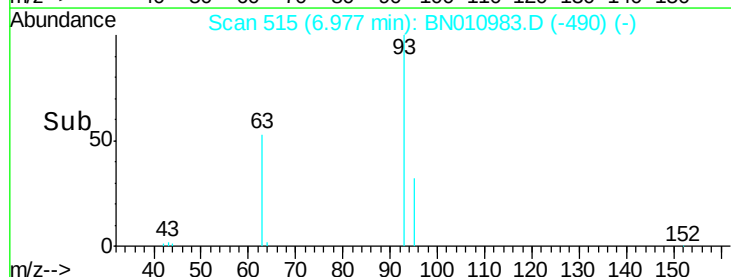
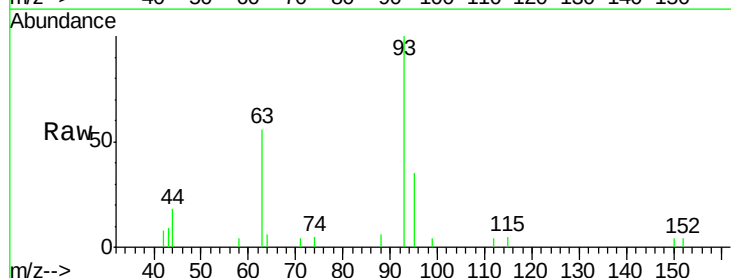
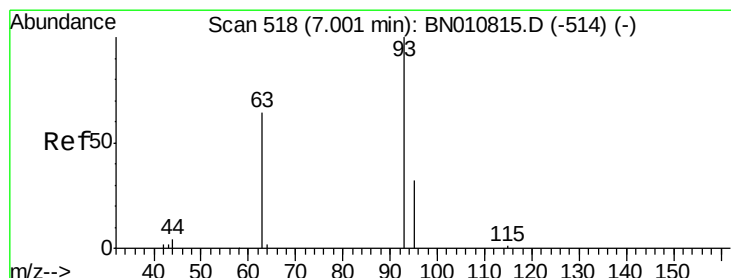
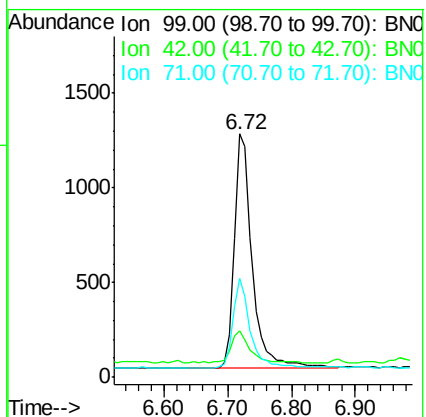
Tot Ion: 99 Resp: 2377

Ion Ratio Lower Upper

99 100

42 15.0 11.1 16.7

71 36.1 31.4 47.2



#6

bis(2-Chloroethyl)ether

Concen: 0.510 ng

RT: 6.98 min Scan# 515

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

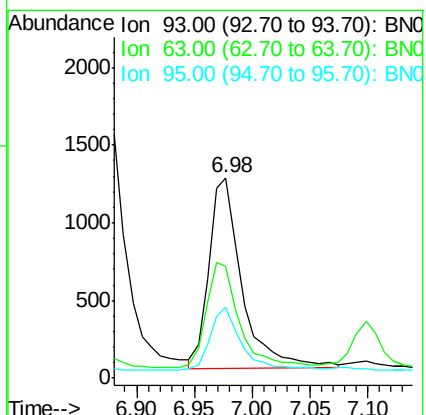
Tgt Ion: 93 Resp: 2428

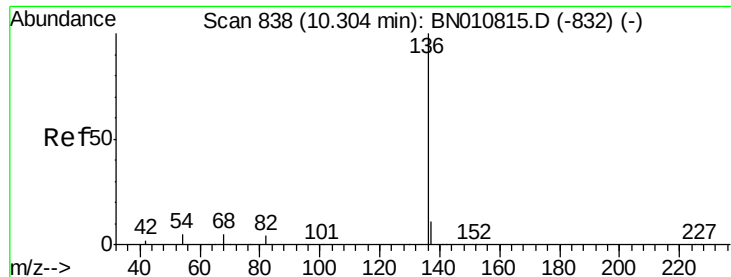
Ion Ratio Lower Upper

93 100

63 55.6 49.4 74.2

95 31.3 26.7 40.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 7298

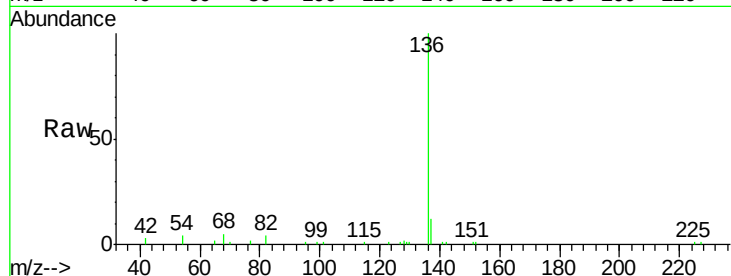
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 4.4 4.9 7.3#

68 5.3 4.7 7.1

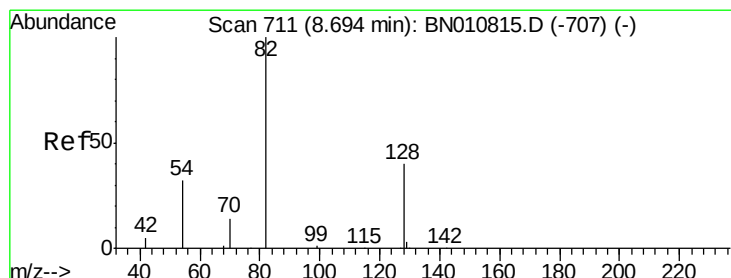
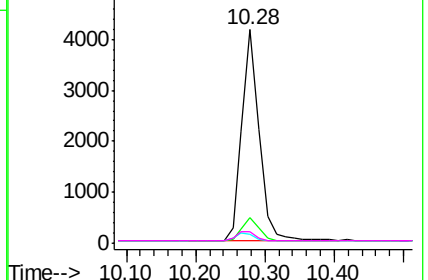
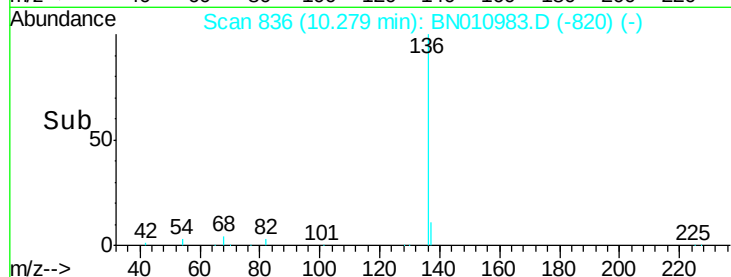


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.418 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

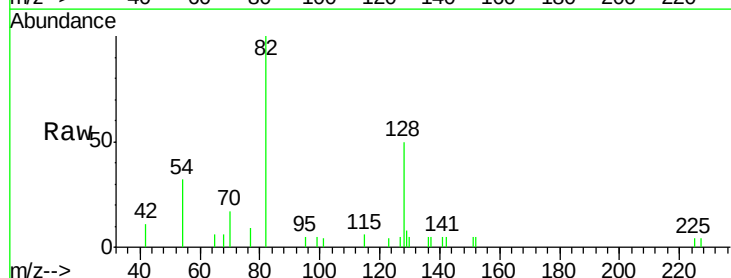
Tgt Ion: 82 Resp: 2260

Ion Ratio Lower Upper

82 100

128 50.3 35.4 53.0

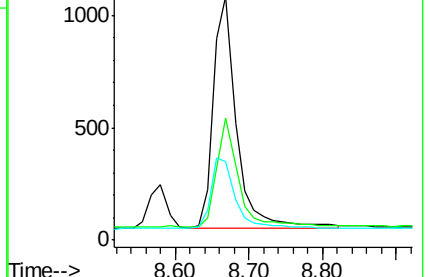
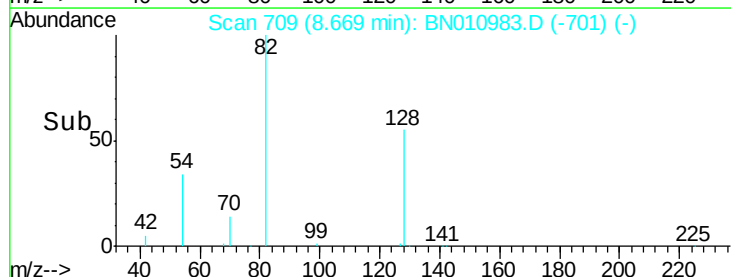
54 32.1 28.2 42.4

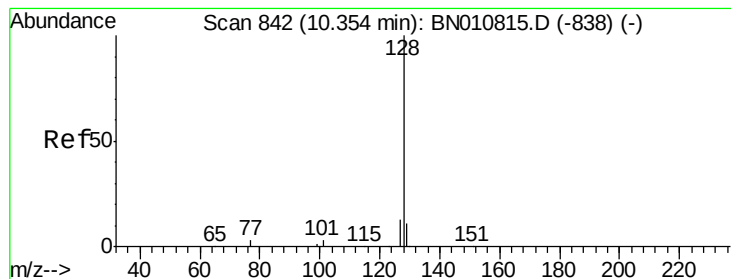


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.415 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

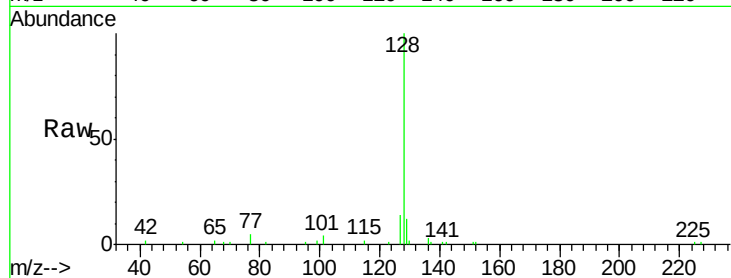
Tot Ion:128 Resp: 7615

Ion Ratio Lower Upper

128 100

129 12.1 9.6 14.4

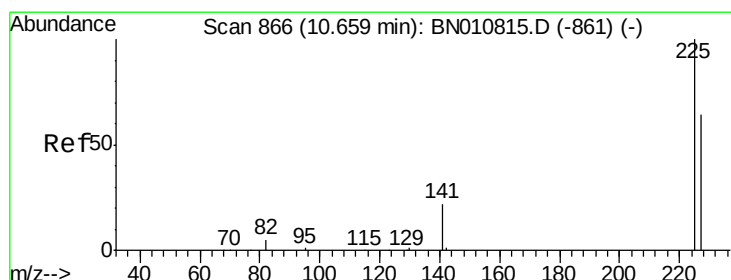
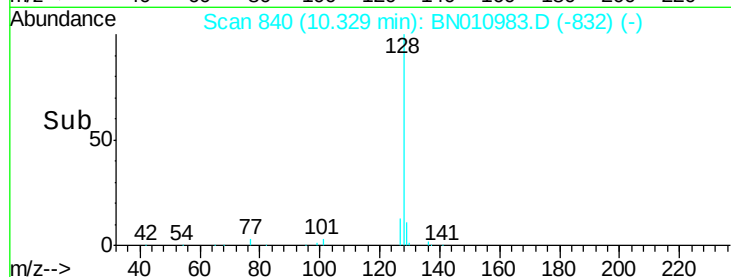
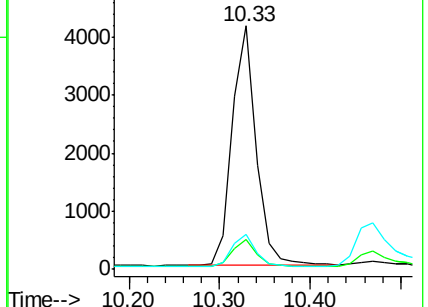
127 14.2 11.4 17.2



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: 0.402 ng

RT: 10.62 min Scan# 863

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

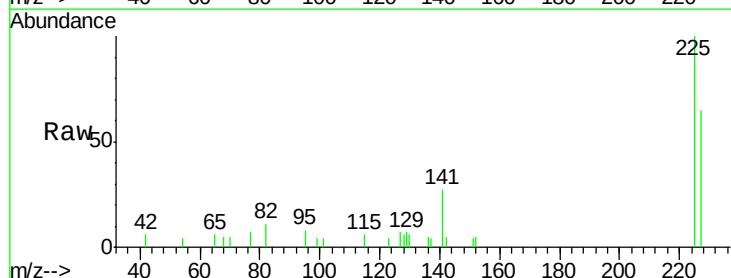
Tgt Ion:225 Resp: 1823

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

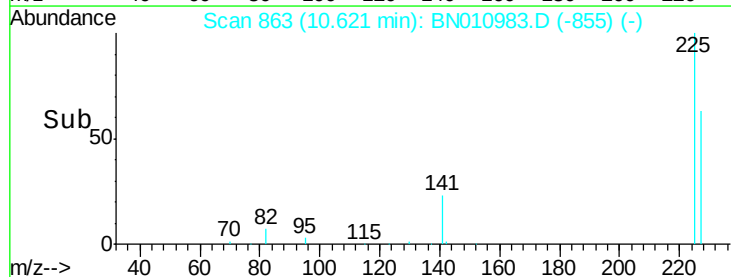
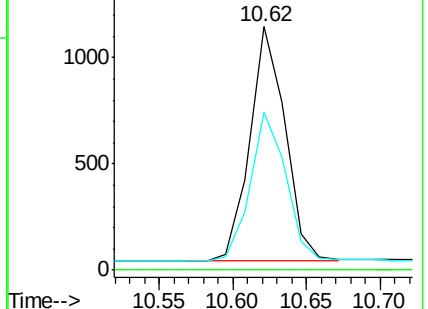
227 64.0 50.5 75.7

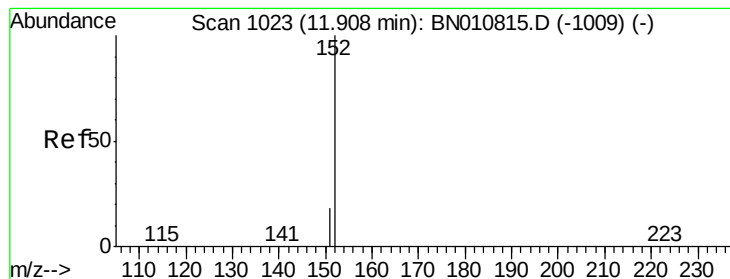


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.417 ng

RT: 11.88 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

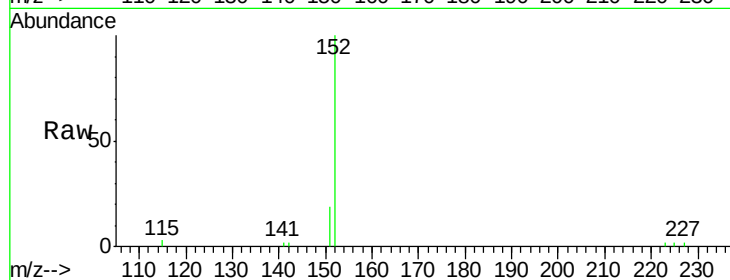
SSTDCCC0.4

Tot Ion:152 Resp: 4717

Ion Ratio Lower Upper

152 100

151 18.9 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

3000

2500

2000

1500

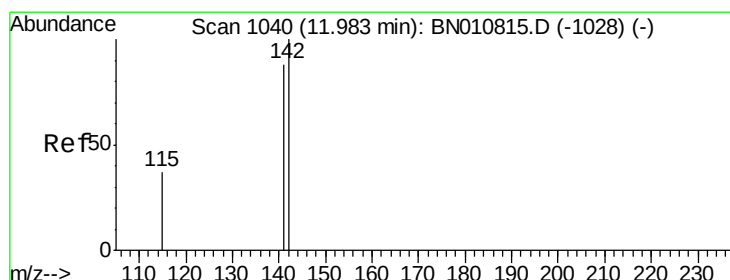
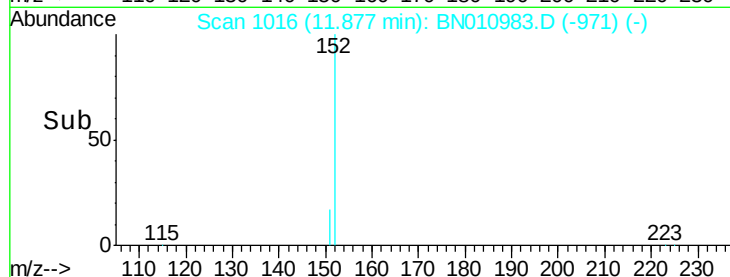
1000

500

0

11.80 11.90 12.00 12.10

Time-->



#12

2-Methylnaphthalene

Concen: 0.415 ng

RT: 11.95 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

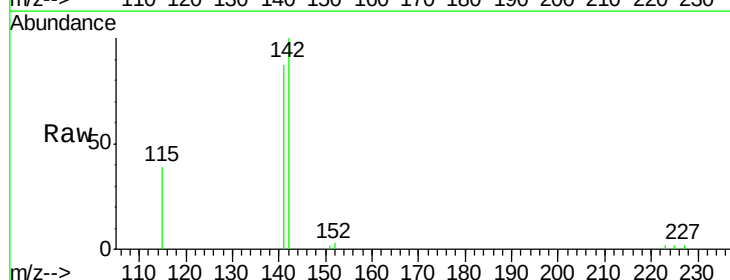
Tgt Ion:142 Resp: 5099

Ion Ratio Lower Upper

142 100

141 87.4 70.8 106.2

115 38.8 31.5 47.3



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

3000

2500

2000

1500

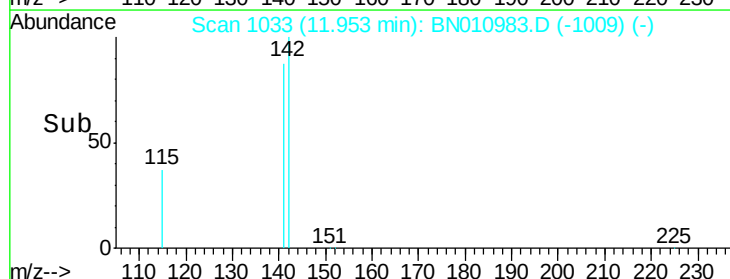
1000

500

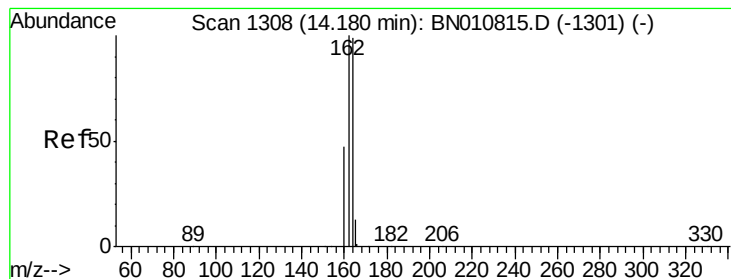
0

11.90 12.00 12.10

Time-->







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.15 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

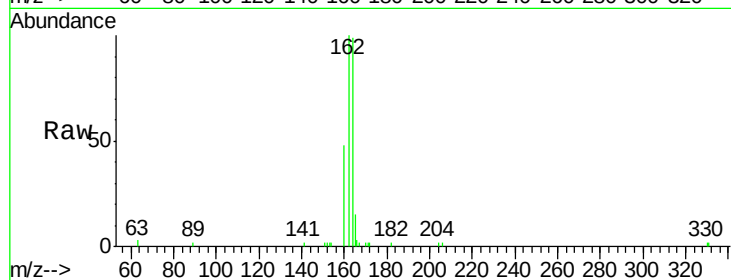
Tot Ion:164 Resp: 4102

Ion Ratio Lower Upper

164 100

162 100.9 81.0 121.6

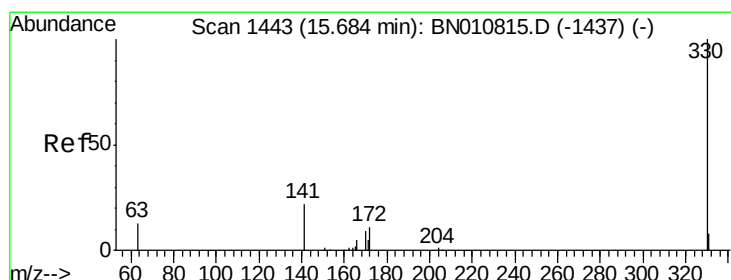
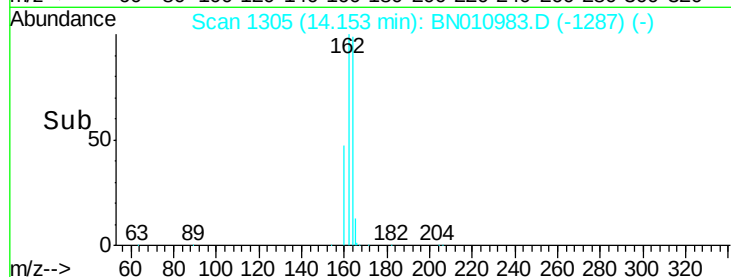
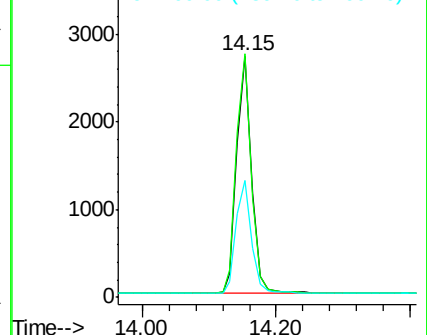
160 48.5 38.9 58.3



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: 0.399 ng

RT: 15.66 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

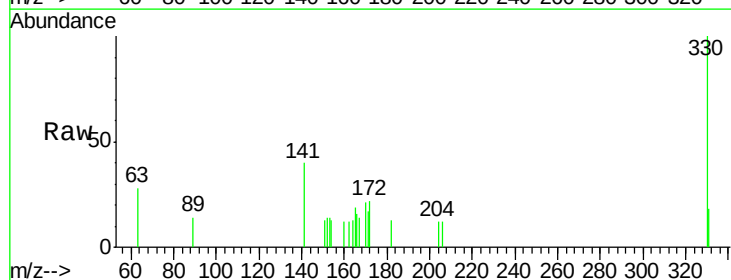
Tgt Ion:330 Resp: 585

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

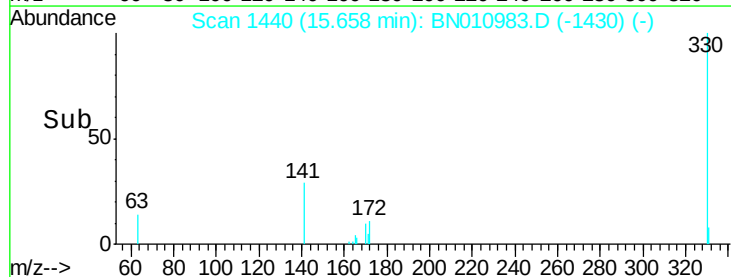
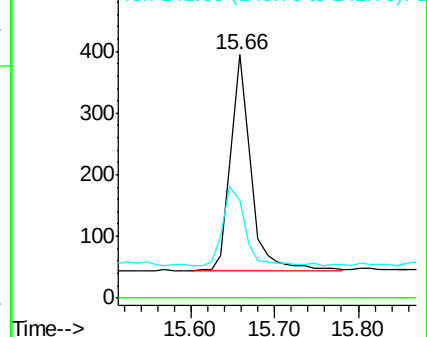
141 40.3 33.2 49.8

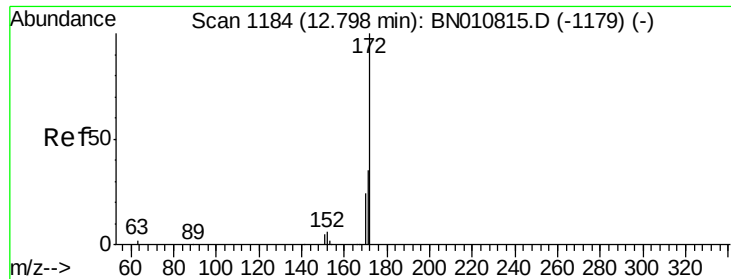


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

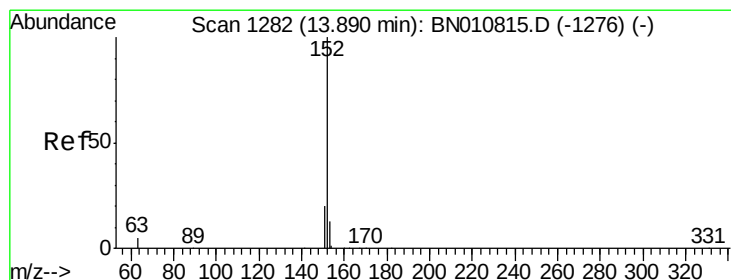
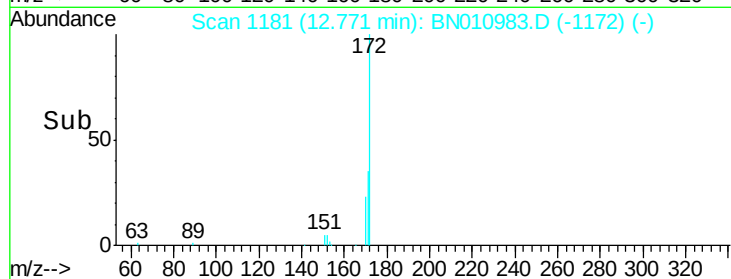
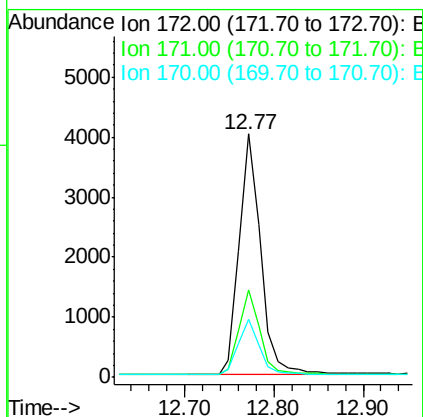
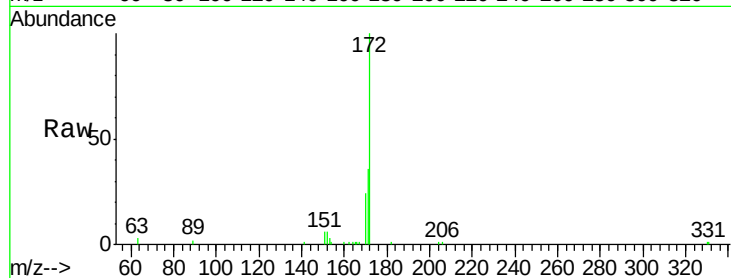




#15  
2-Fluorobiphenyl  
Concen: 0.418 ng  
RT: 12.77 min Scan# 1181  
Delta R.T. -0.00 min  
Lab File: BN010983.D  
Acq: 20 Jun 2020 01:22

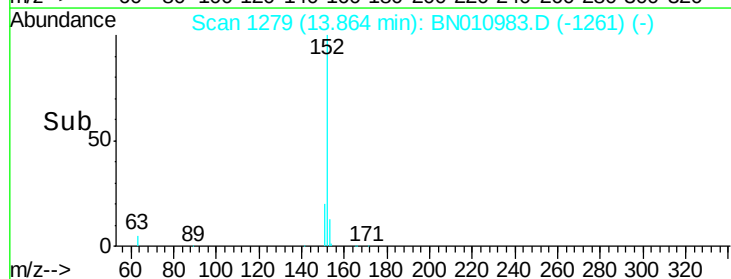
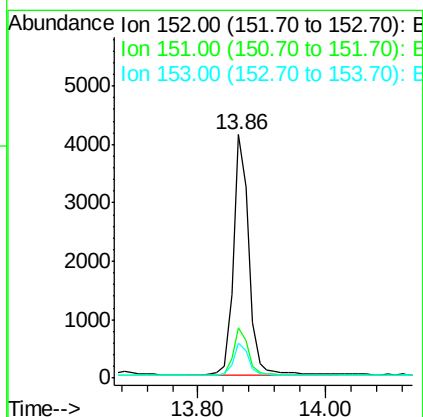
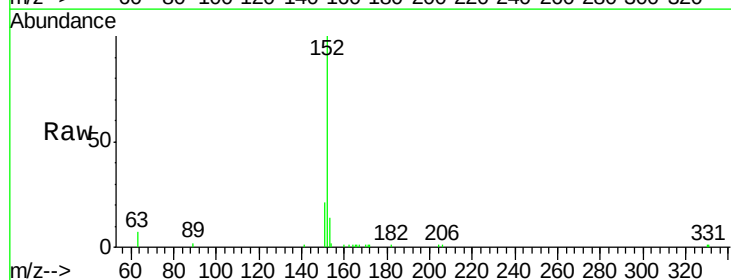
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

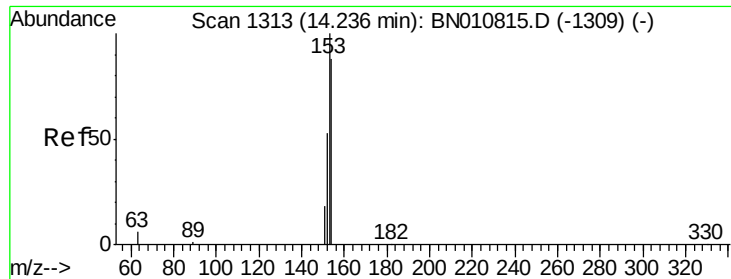
Tot Ion:172 Resp: 6758  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.5 42.7  
170 23.8 19.7 29.5



#16  
Acenaphthylene  
Concen: 0.413 ng  
RT: 13.86 min Scan# 1279  
Delta R.T. -0.00 min  
Lab File: BN010983.D  
Acq: 20 Jun 2020 01:22

Tgt Ion:152 Resp: 6942  
Ion Ratio Lower Upper  
152 100  
151 19.2 15.6 23.4  
153 13.4 10.6 16.0





#17

Acenaphthene

Concen: 0.456 ng

RT: 14.22 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

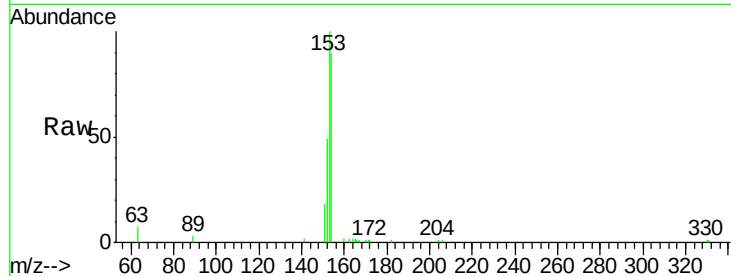
Tot Ion:154 Resp: 5226

Ion Ratio Lower Upper

154 100

153 113.6 91.8 137.6

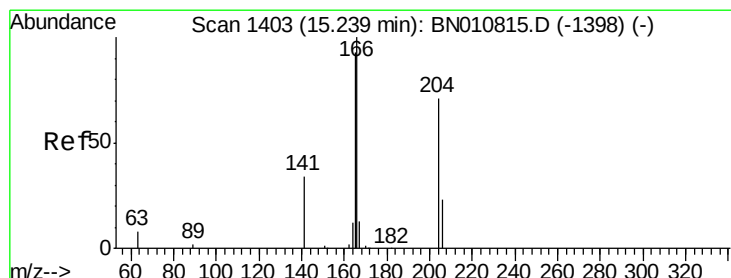
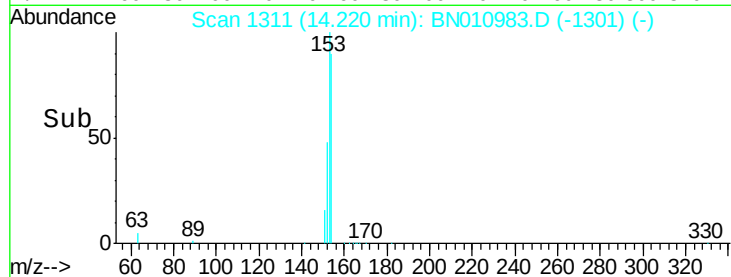
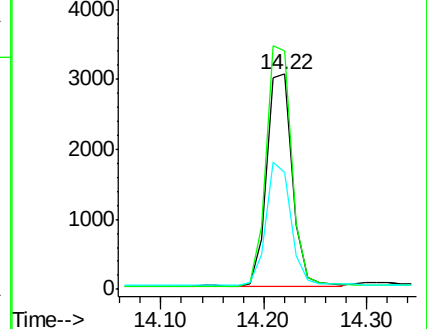
152 57.0 47.6 71.4



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: 0.410 ng

RT: 15.21 min Scan# 1400

Delta R.T. 0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

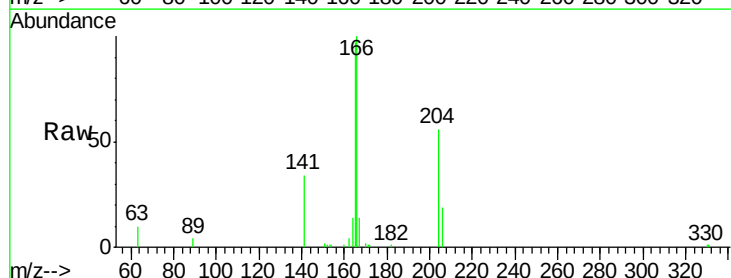
Tgt Ion:166 Resp: 6055

Ion Ratio Lower Upper

166 100

165 98.1 77.2 115.8

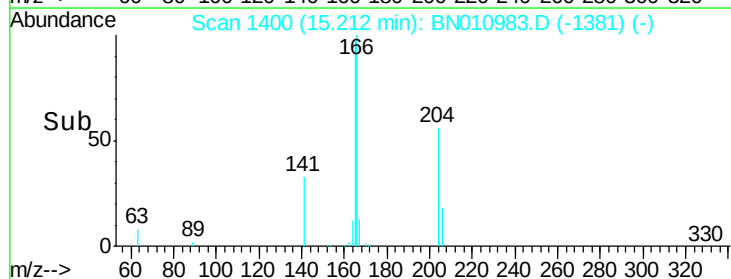
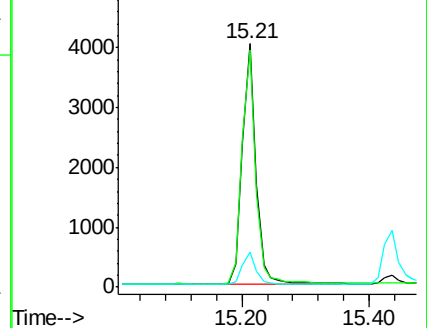
167 13.3 10.7 16.1

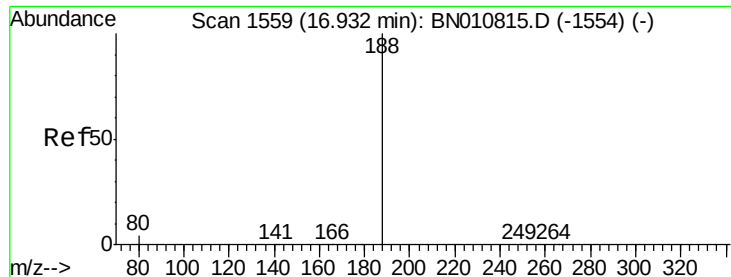


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.91 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

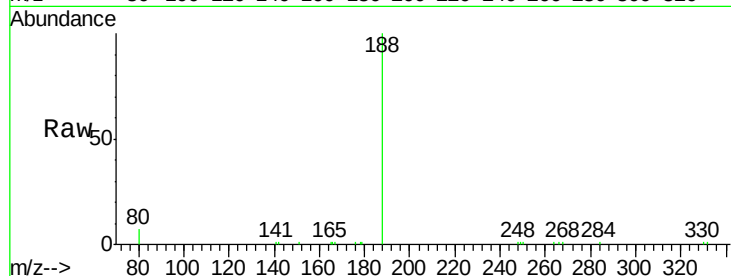
Tot Ion:188 Resp: 8843

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

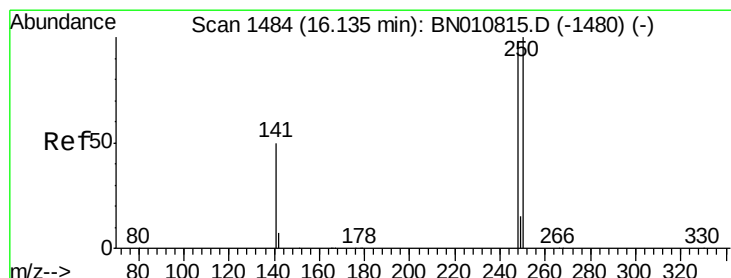
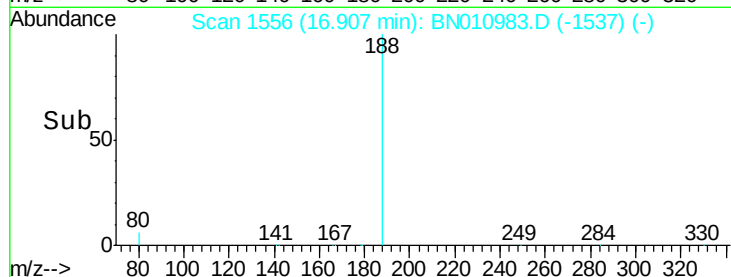
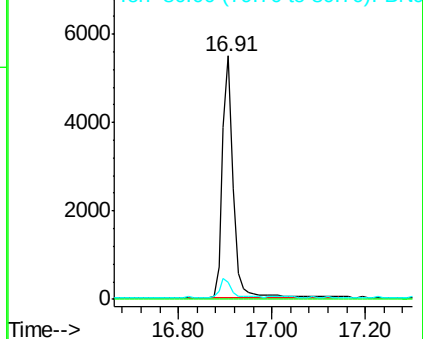
80 7.1 4.5 6.7#



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: 16.11 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

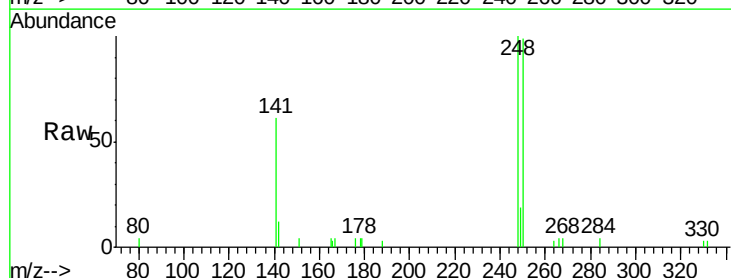
Tgt Ion:248 Resp: 2072

Ion Ratio Lower Upper

248 100

250 99.4 81.8 122.8

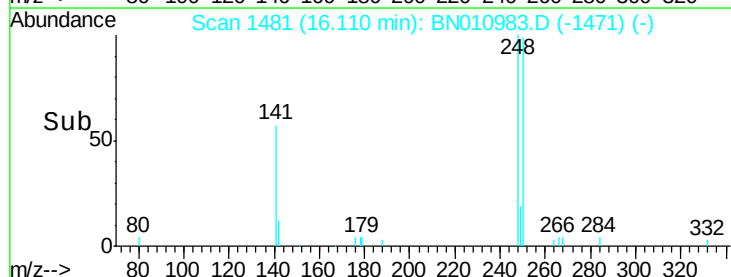
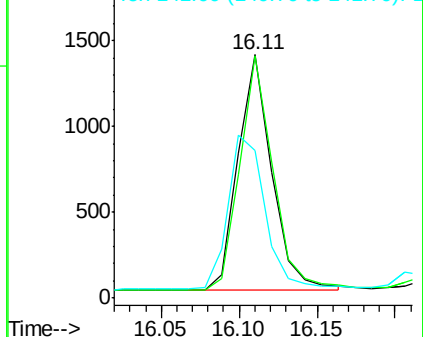
141 60.6 42.6 64.0

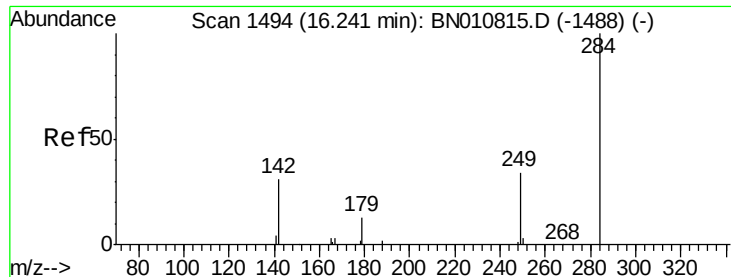


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

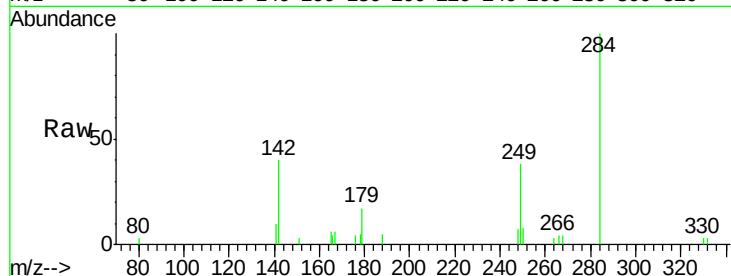




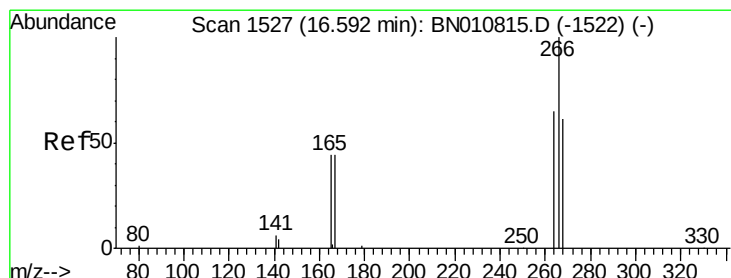
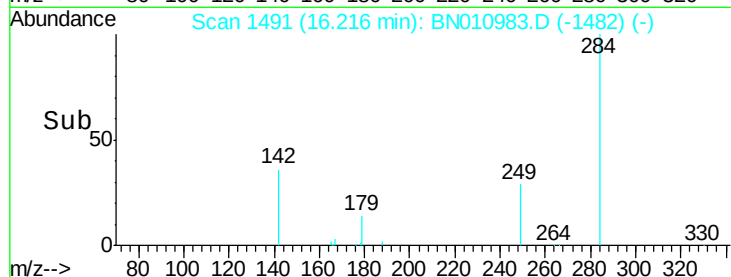
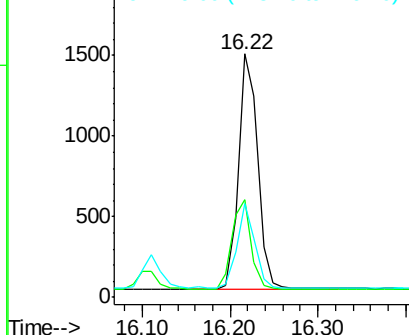
#21  
Hexachlorobenzene  
Concen: 0.398 ng  
RT: 16.22 min Scan# 1491  
Delta R.T. -0.00 min  
Lab File: BN010983.D  
Acq: 20 Jun 2020 01:22

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 38.3  | 31.0  | 46.4  |
| 249     | 33.5  | 27.1  | 40.7  |

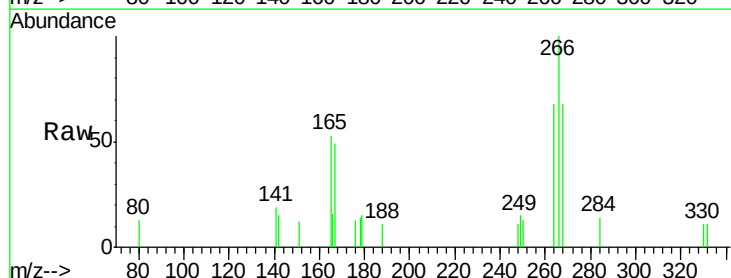


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

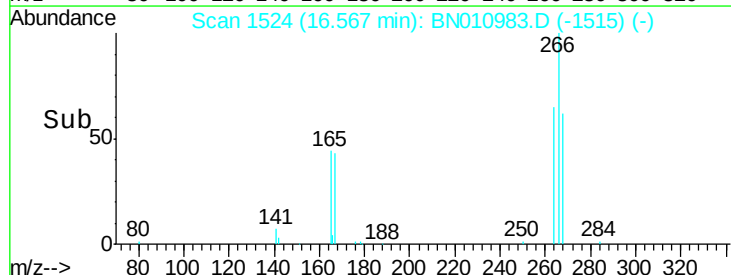
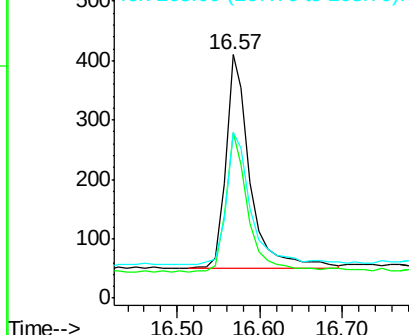


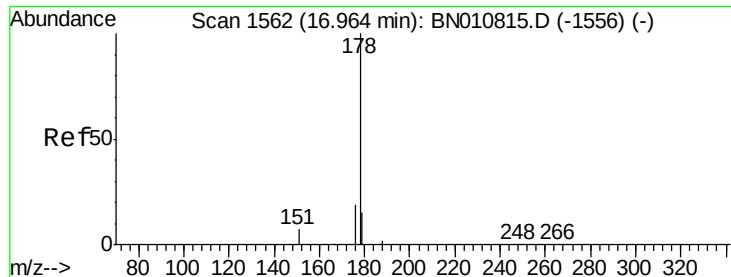
#22  
Pentachlorophenol  
Concen: 0.393 ng  
RT: 16.57 min Scan# 1524  
Delta R.T. -0.00 min  
Lab File: BN010983.D  
Acq: 20 Jun 2020 01:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 68.0  | 54.8  | 82.2  |
| 268     | 68.0  | 55.9  | 83.9  |



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: 0.410 ng

RT: 16.95 min Scan# 1560

Delta R.T. 0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

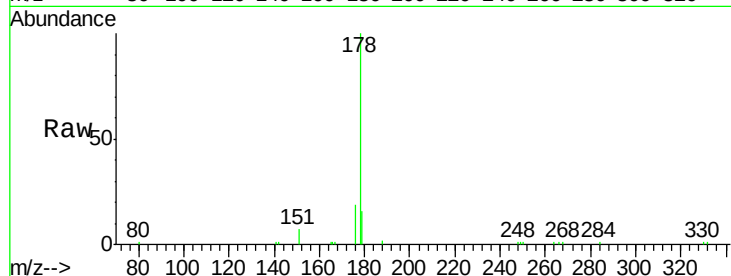
Tot Ion:178 Resp: 9897

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.6 12.6 19.0



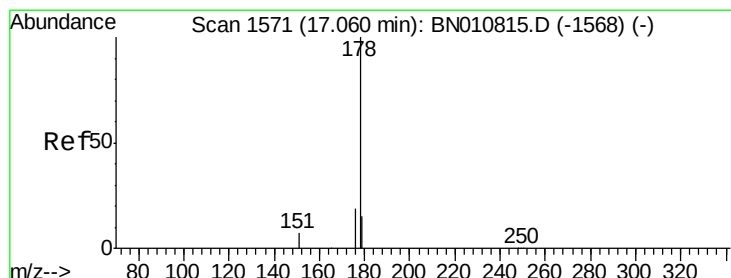
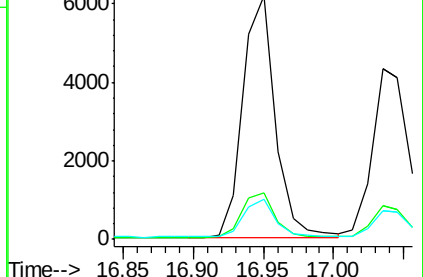
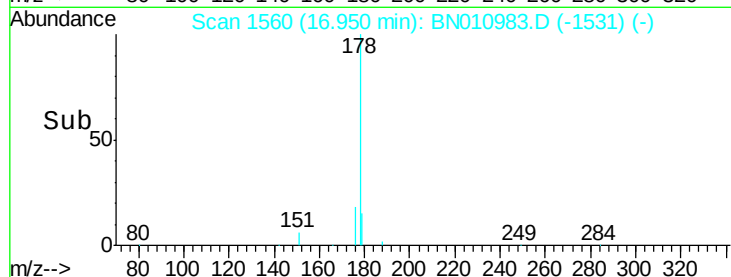
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

16.95

Time-->



#24

Anthracene

Concen: 0.407 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

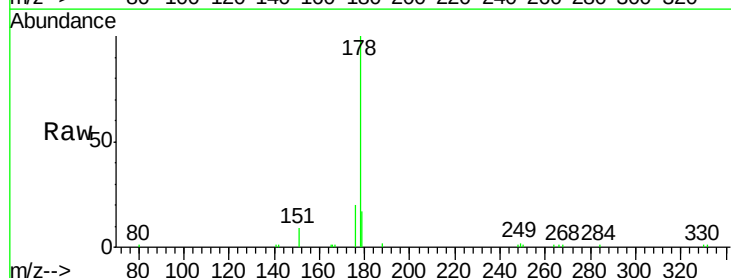
Tgt Ion:178 Resp: 8208

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

179 15.2 12.3 18.5



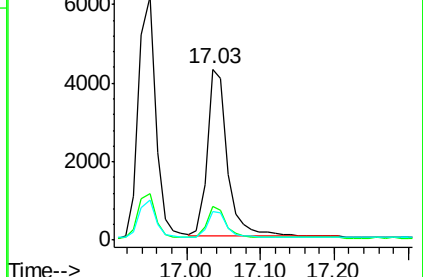
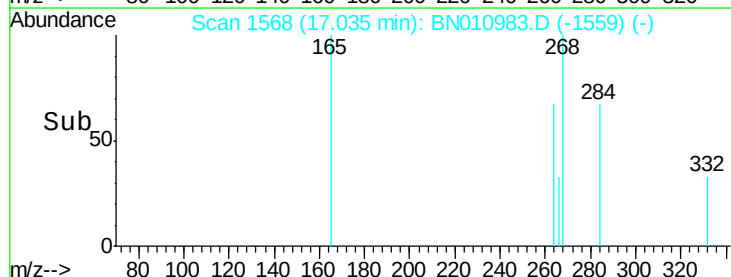
Abundance Ion 178.00 (177.70 to 178.70): E

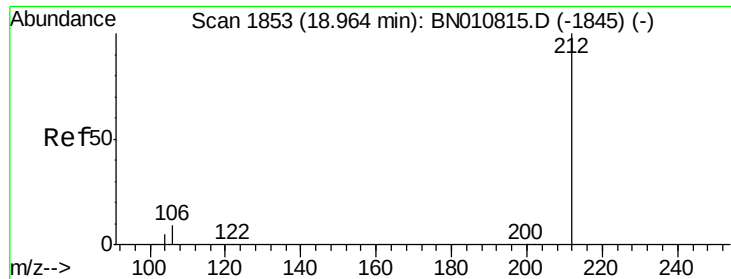
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.03

Time-->





#25

Fluoranthene-d10

Concen: 0.410 ng

RT: 18.95 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

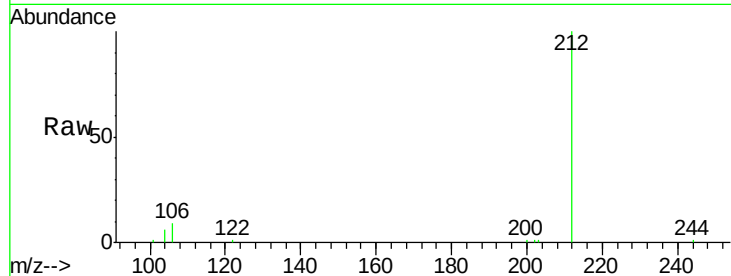
Tot Ion:212 Resp: 9998

Ion Ratio Lower Upper

212 100

106 9.1 6.6 10.0

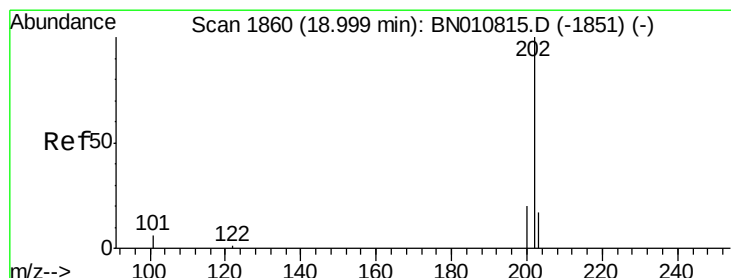
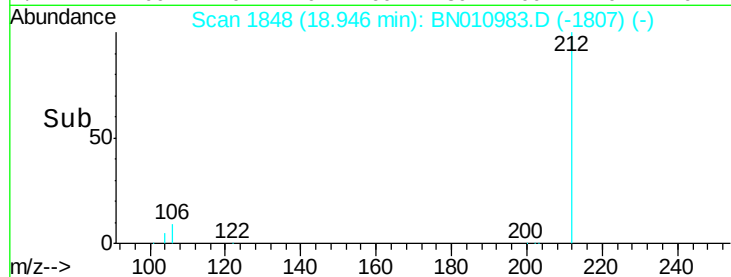
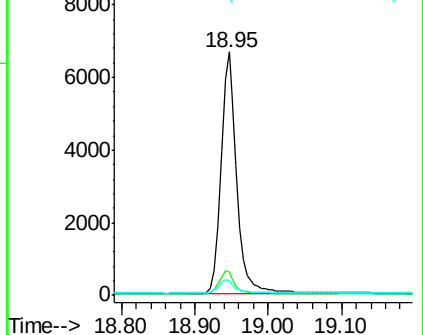
104 5.3 4.0 6.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.406 ng

RT: 18.98 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

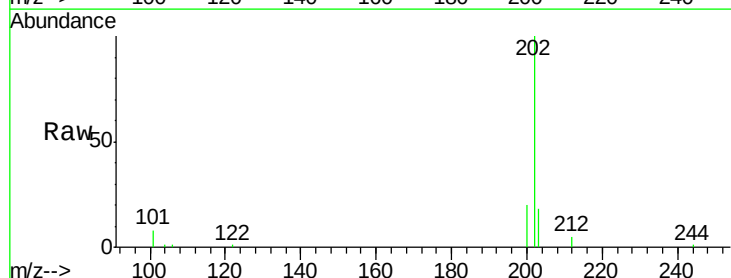
Tgt Ion:202 Resp: 11144

Ion Ratio Lower Upper

202 100

101 8.1 5.8 8.6

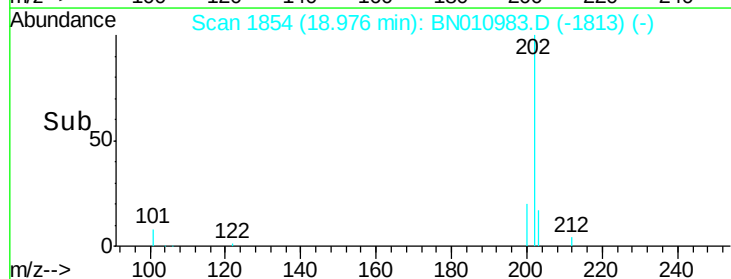
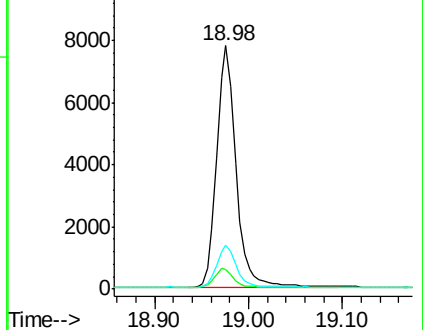
203 17.1 13.7 20.5

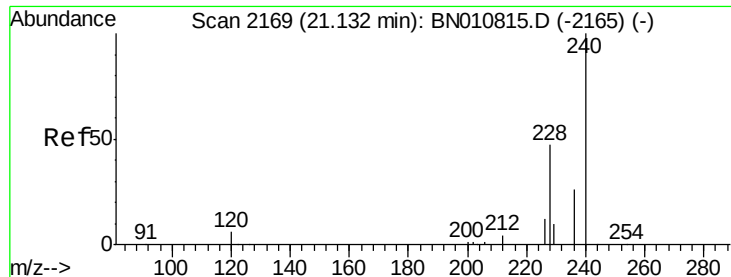


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

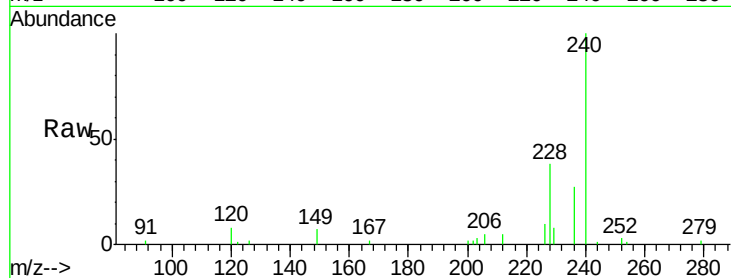
Tot Ion:240 Resp: 8725

Ion Ratio Lower Upper

240 100

120 8.3 7.5 11.3

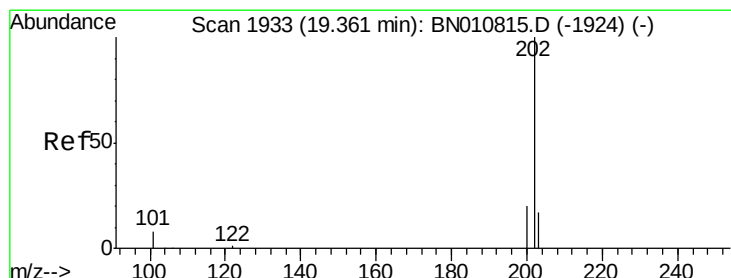
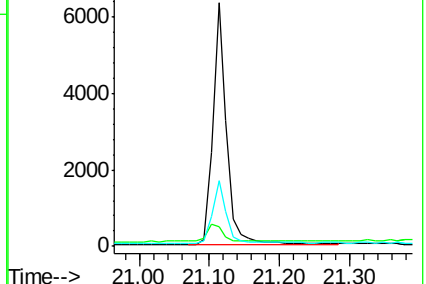
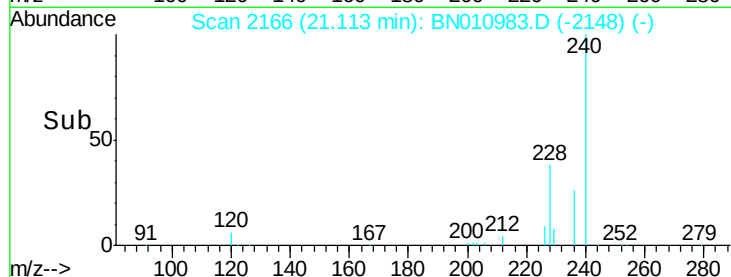
236 27.2 22.3 33.5



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: 0.390 ng

RT: 19.34 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

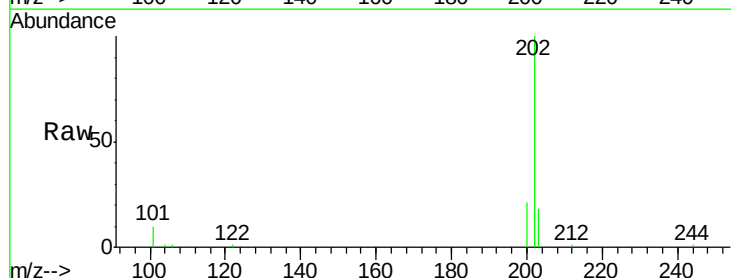
Tgt Ion:202 Resp: 11249

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

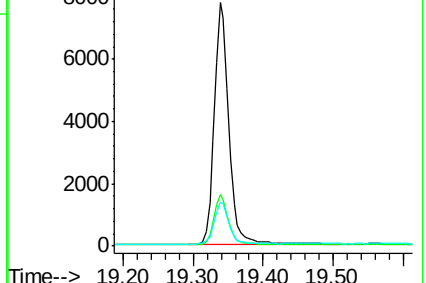
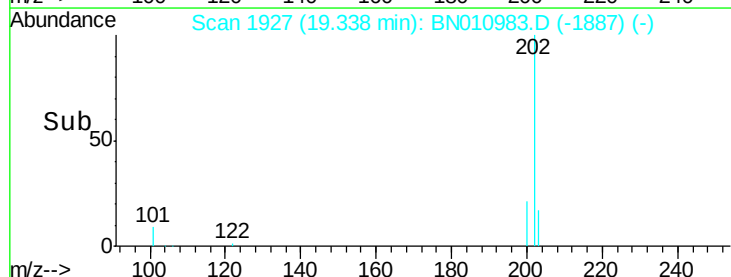
203 17.5 14.2 21.4



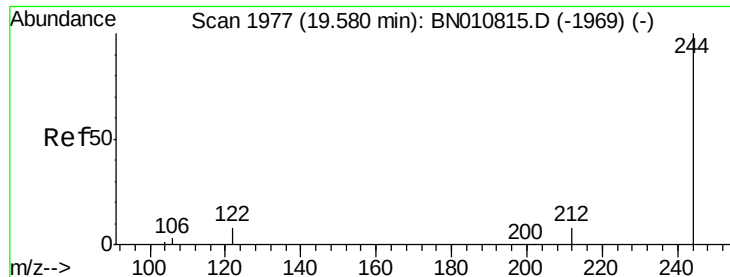
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.391 ng

RT: 19.56 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

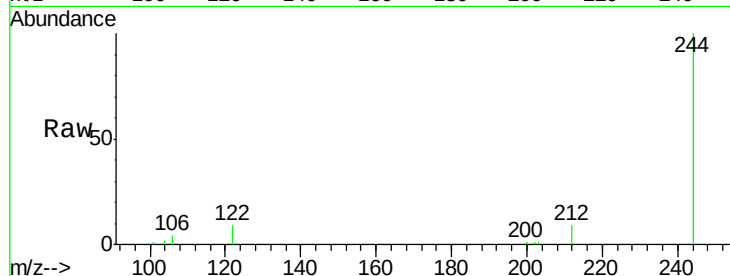
Tot Ion:244 Resp: 7980

Ion Ratio Lower Upper

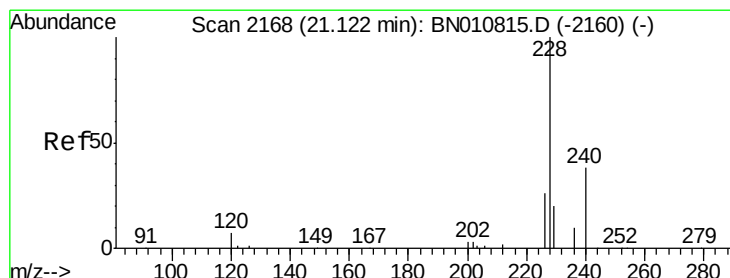
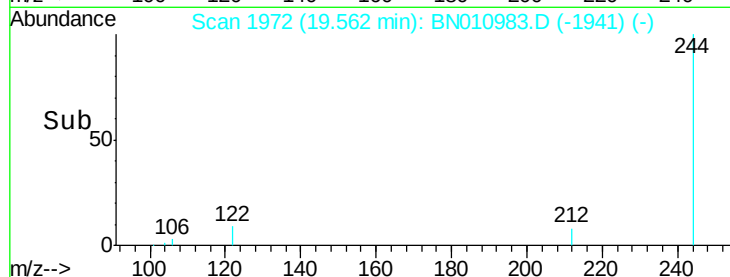
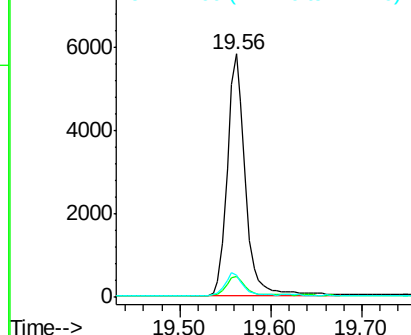
244 100

212 8.8 7.4 11.2

122 9.4 7.5 11.3



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: 0.399 ng

RT: 21.10 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

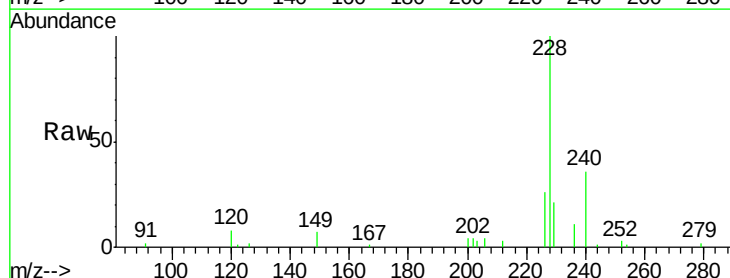
Tgt Ion:228 Resp: 10232

Ion Ratio Lower Upper

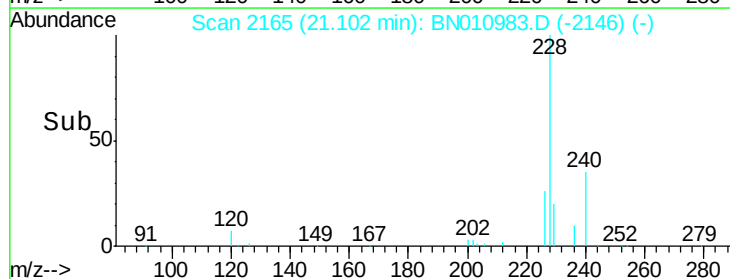
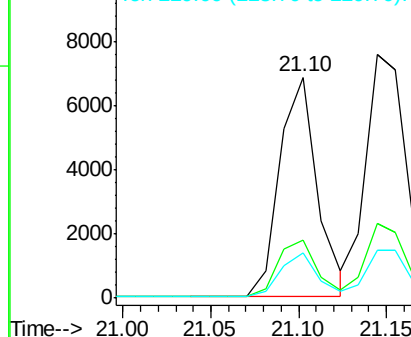
228 100

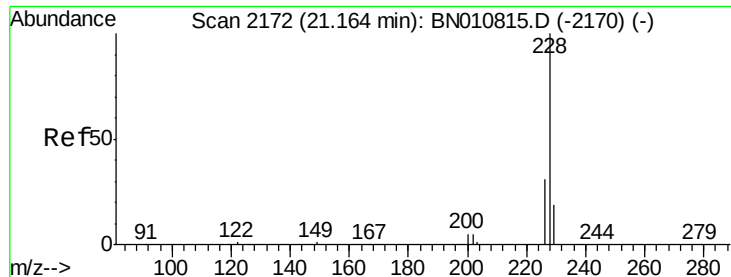
226 26.3 21.3 31.9

229 20.6 16.6 24.8



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

Chrysene

Concen: 0.417 ng

RT: 21.14 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

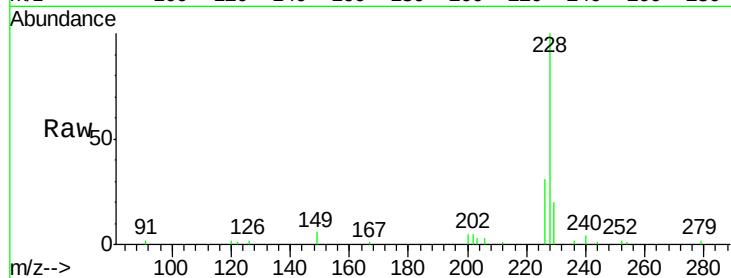
Tot Ion:228 Resp: 12451

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

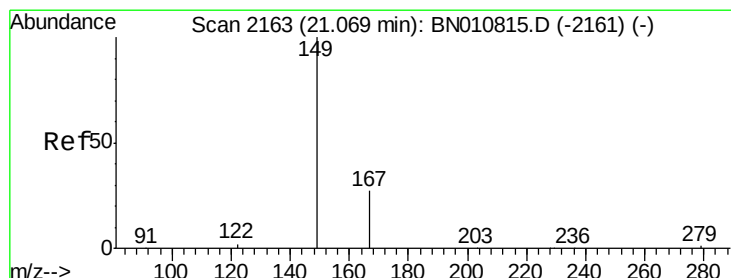
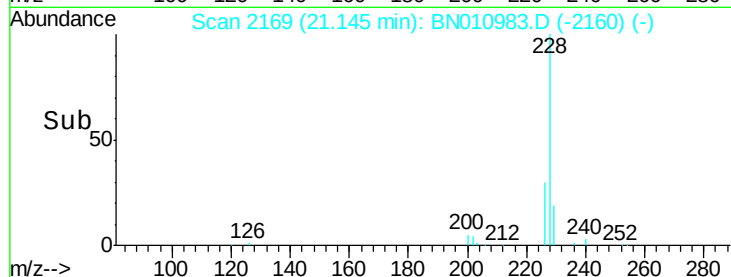
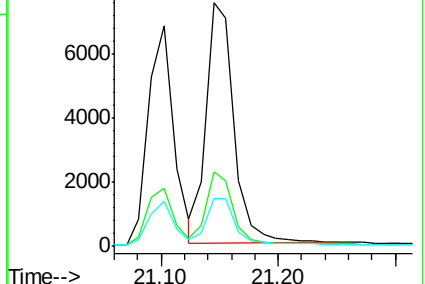
229 19.5 16.1 24.1



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: 0.447 ng

RT: 21.06 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

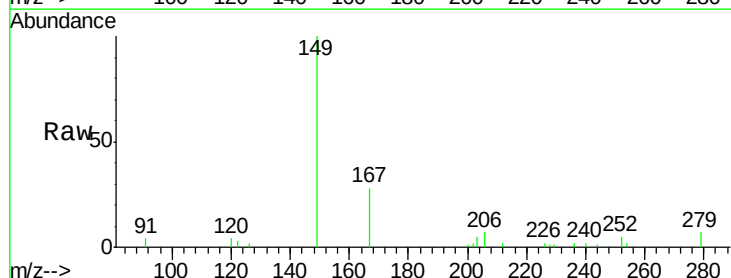
Tgt Ion:149 Resp: 3824

Ion Ratio Lower Upper

149 100

167 27.9 24.1 36.1

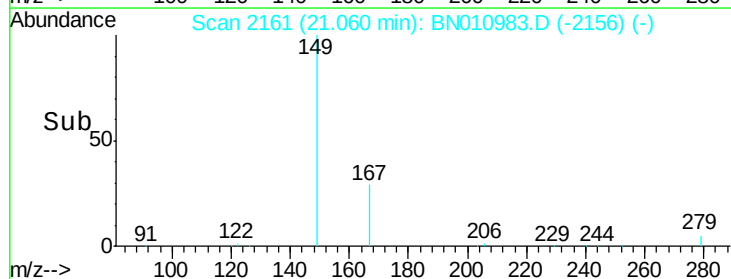
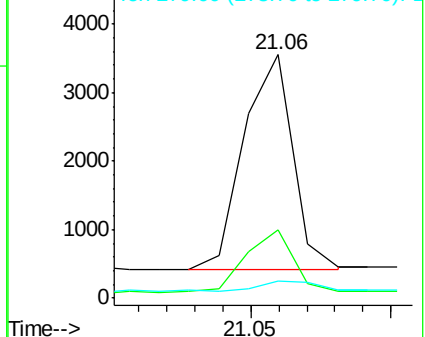
279 5.3 4.6 7.0

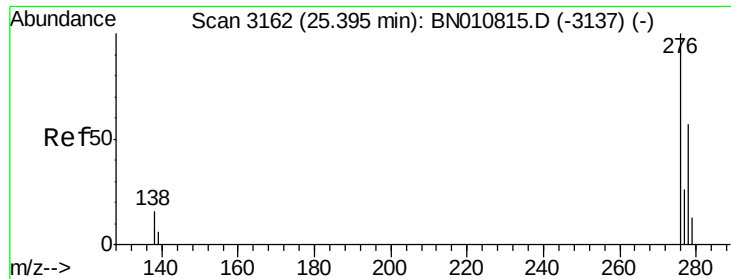


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

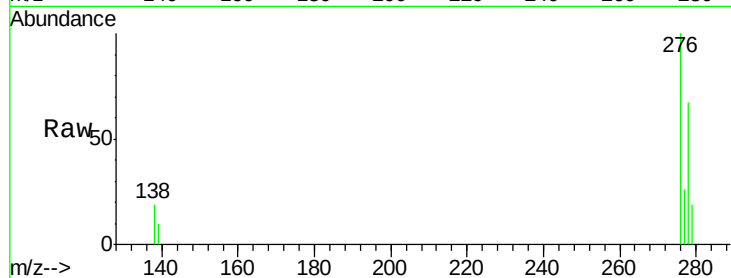




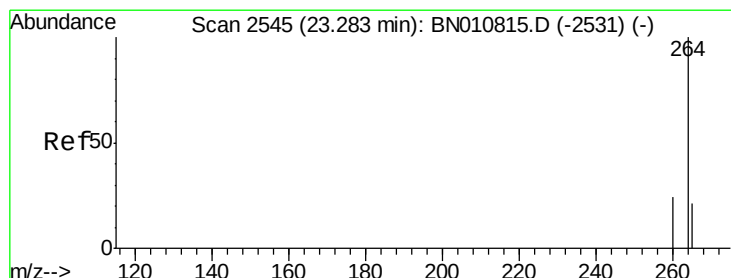
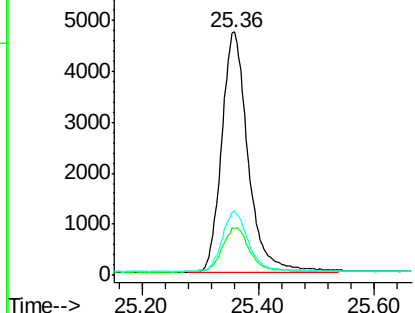
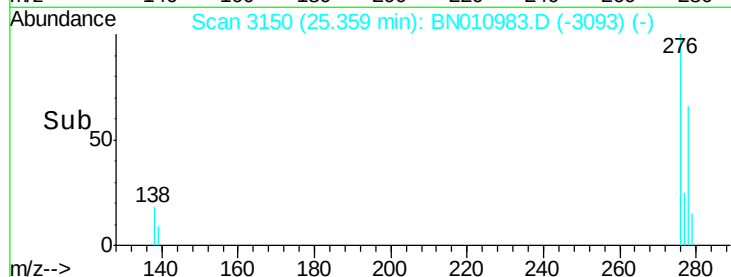
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.451 ng  
RT: 25.36 min Scan# 3150  
Delta R.T. -0.01 min  
Lab File: BN010983.D  
Acq: 20 Jun 2020 01:22

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:276 Resp: 15053  
Ion Ratio Lower Upper  
276 100  
138 18.9 13.0 19.6  
277 24.8 19.7 29.5

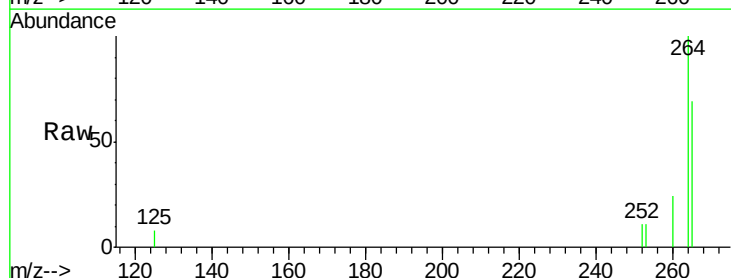


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

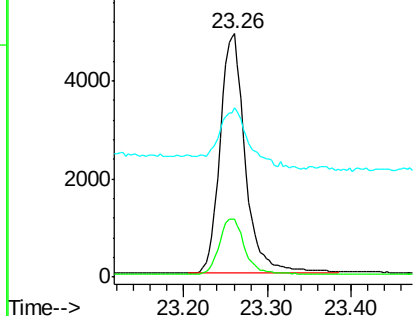
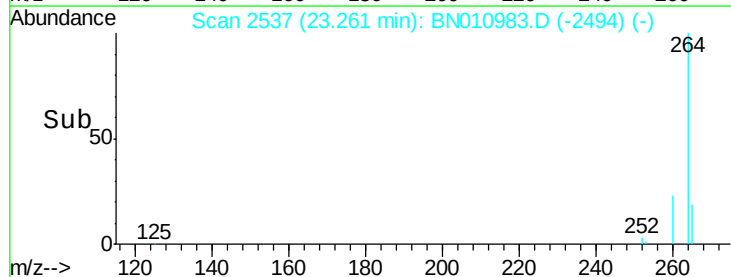


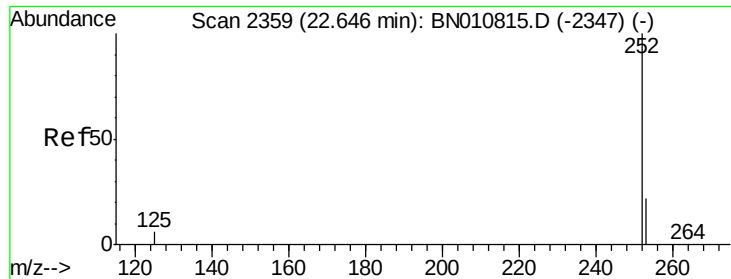
#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.26 min Scan# 2537  
Delta R.T. -0.00 min  
Lab File: BN010983.D  
Acq: 20 Jun 2020 01:22

Tgt Ion:264 Resp: 10191  
Ion Ratio Lower Upper  
264 100  
260 23.9 20.4 30.6  
265 69.5 75.0 112.4#



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

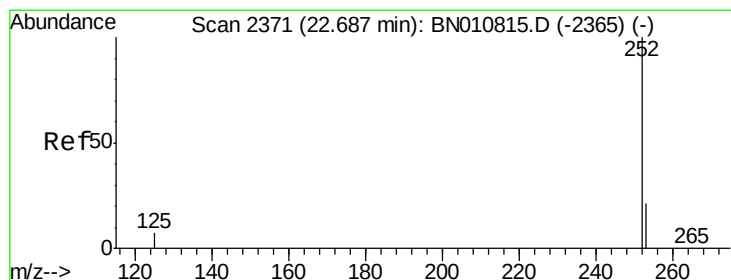
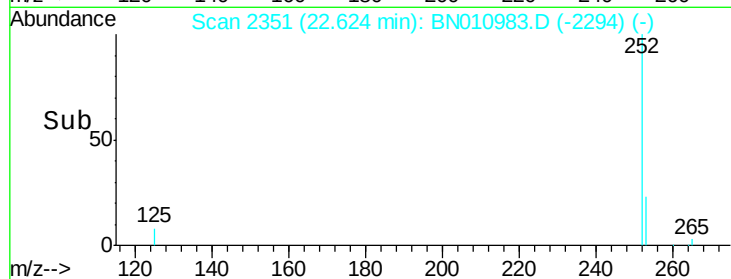
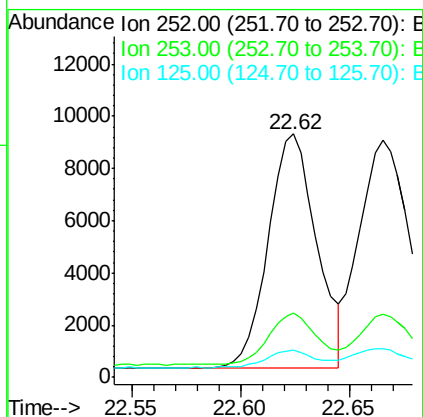
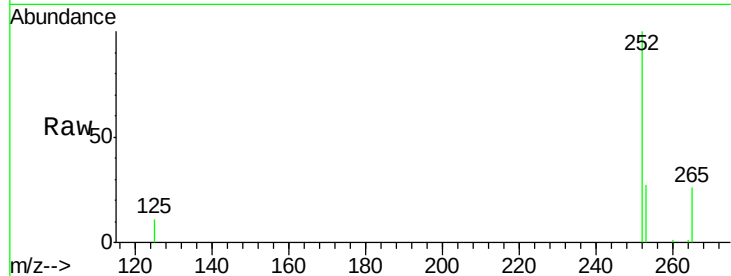




#35  
Benzo(b)fluoranthene  
Concen: 0.401 ng  
RT: 22.62 min Scan# 2351  
Delta R.T. -0.01 min  
Lab File: BN010983.D  
Acq: 20 Jun 2020 01:22

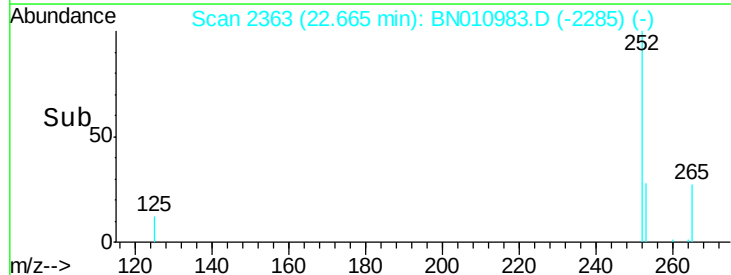
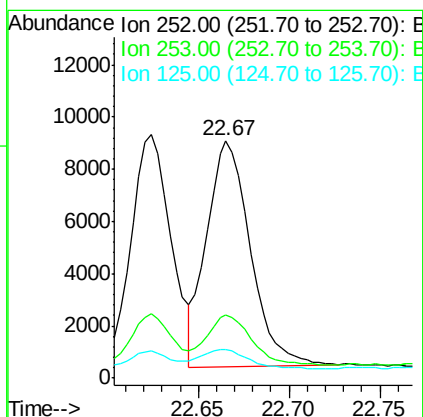
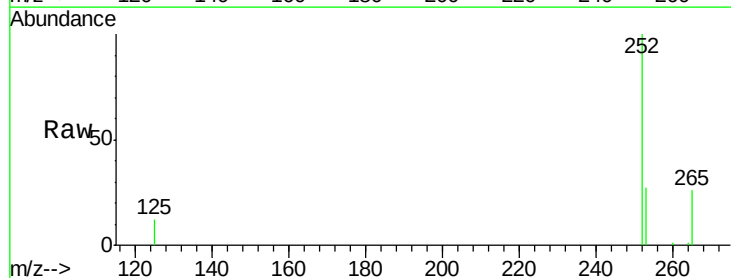
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

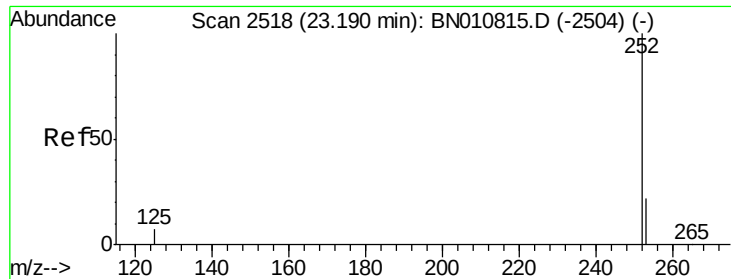
Tot Ion:252 Resp: 13886  
Ion Ratio Lower Upper  
252 100  
253 26.6 22.4 33.6  
125 11.0 9.4 14.0



#36  
Benzo(k)fluoranthene  
Concen: 0.392 ng  
RT: 22.67 min Scan# 2363  
Delta R.T. -0.01 min  
Lab File: BN010983.D  
Acq: 20 Jun 2020 01:22

Tgt Ion:252 Resp: 14476  
Ion Ratio Lower Upper  
252 100  
253 26.6 22.2 33.4  
125 11.9 9.8 14.8





#37

Benzo(a)pyrene

Concen: 0.401 ng

RT: 23.17 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

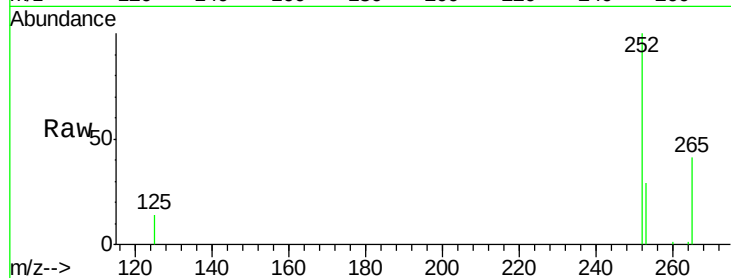
Tot Ion:252 Resp: 11921

Ion Ratio Lower Upper

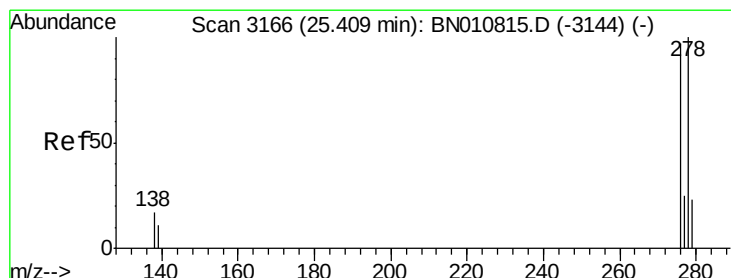
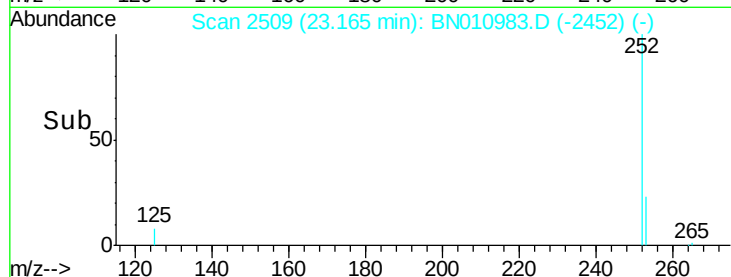
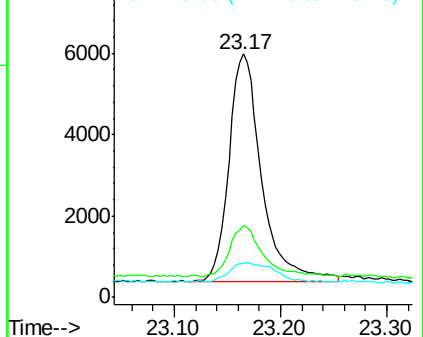
252 100

253 29.4 25.8 38.8

125 14.1 12.4 18.6



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: 0.364 ng

RT: 25.37 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

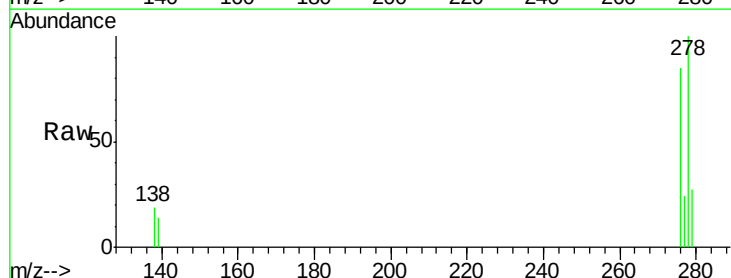
Tgt Ion:278 Resp: 12321

Ion Ratio Lower Upper

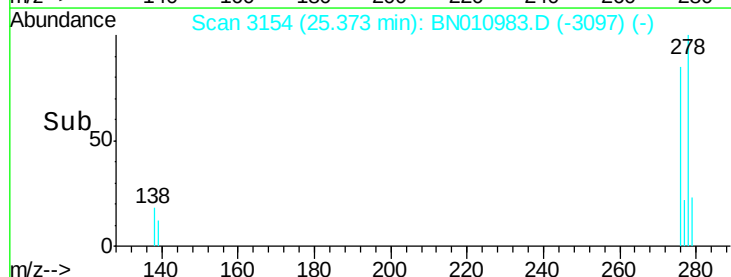
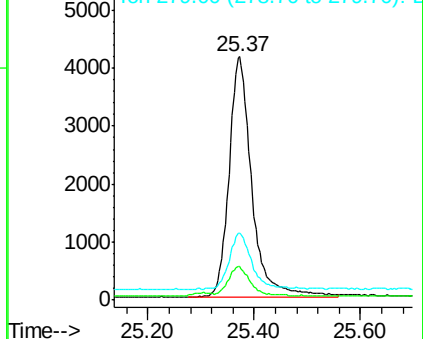
278 100

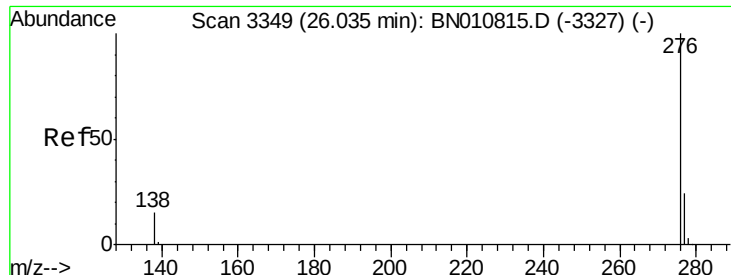
139 13.8 10.6 15.8

279 27.4 23.6 35.4



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: 0.357 ng

RT: 25.99 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BN010983.D

Acq: 20 Jun 2020 01:22

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

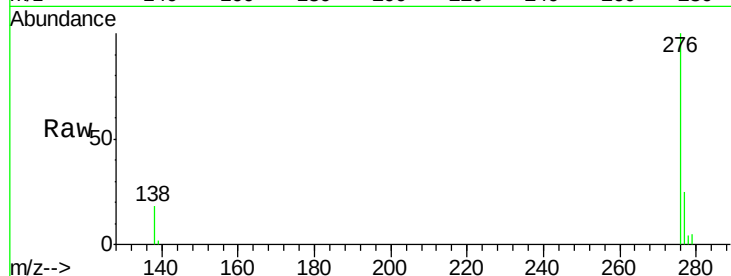
Tot Ion:276 Resp: 12654

Ion Ratio Lower Upper

276 100

277 25.2 20.5 30.7

138 18.2 13.7 20.5



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

