

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112519\  
 Data File : BN008743.D  
 Acq On : 25 Nov 2019 18:52  
 Operator : JU  
 Sample : PB124746BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Nov 26 02:54:06 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN112219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 25 10:49:40 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 5132     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.35 | 136  | 18487    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.21 | 164  | 10459    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.95 | 188  | 21585    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.15 | 240  | 19970    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.32 | 264  | 21112    | 0.40 | ng    | -0.01    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.23  | 112 | 3095  | 0.23 | ng | 0.00  |
| 5) Phenol-d6                | 6.78  | 99  | 2887  | 0.17 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.72  | 82  | 4955  | 0.30 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.94 | 152 | 12678 | 0.43 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.71 | 330 | 1616  | 0.33 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.83 | 172 | 15929 | 0.39 | ng | -0.01 |
| 25) Fluoranthene-d10        | 18.99 | 212 | 22192 | 0.35 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.60 | 244 | 22016 | 0.46 | ng | 0.00  |

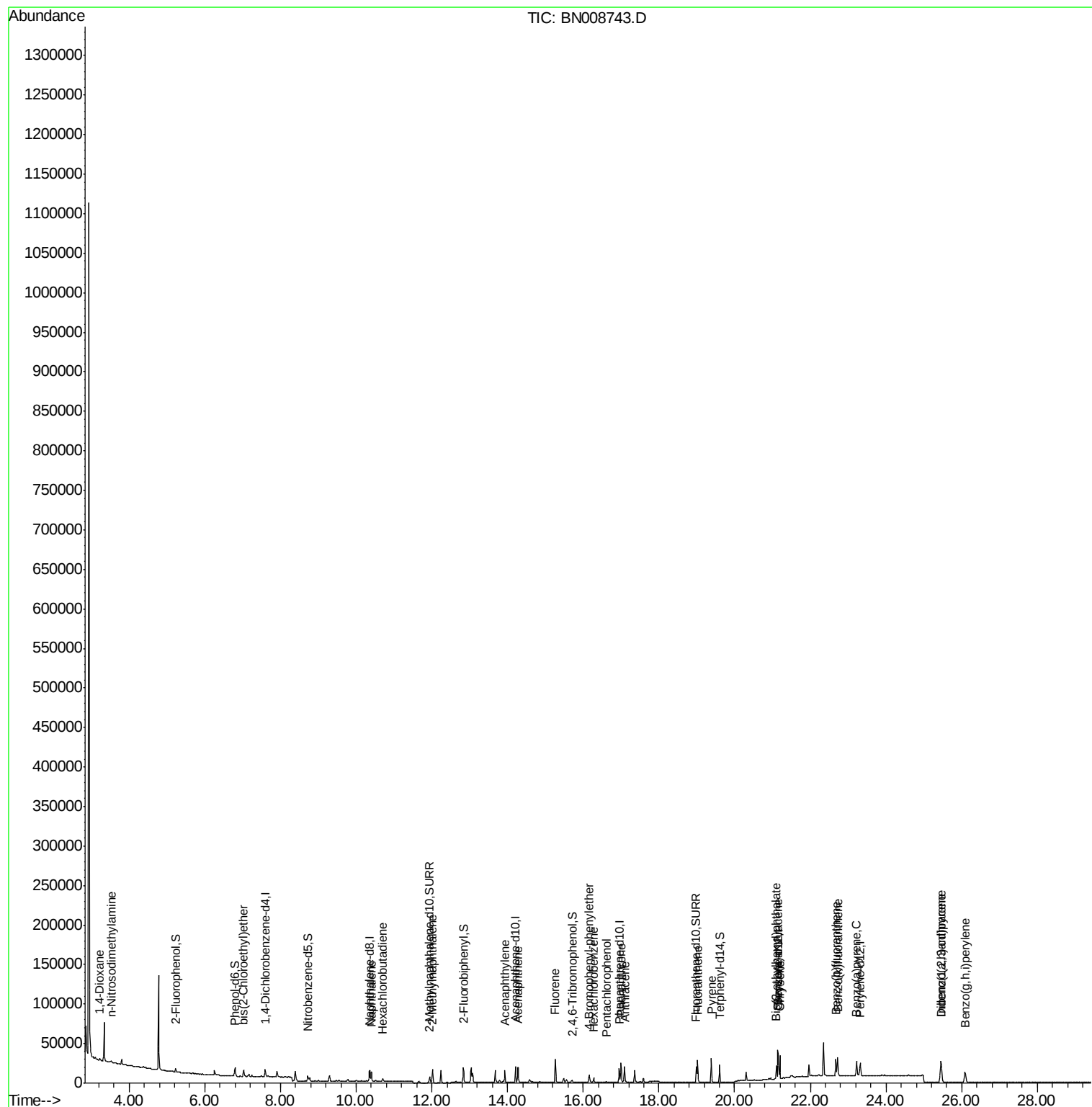
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.22  | 88  | 1021  | 0.188  | ng | # 77 |
| 3) n-Nitrosodimethylamine      | 3.53  | 42  | 1309  | 0.195  | ng | # 98 |
| 6) bis(2-Chloroethyl)ether     | 7.03  | 93  | 5551  | 0.349  | ng | 98   |
| 9) Naphthalene                 | 10.39 | 128 | 17178 | 0.348  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.70 | 225 | 3087  | 0.302  | ng | # 98 |
| 12) 2-Methylnaphthalene        | 12.02 | 142 | 11764 | 0.342  | ng | 98   |
| 16) Acenaphthylene             | 13.92 | 152 | 17380 | 0.361  | ng | 99   |
| 17) Acenaphthene               | 14.28 | 154 | 10790 | 0.341  | ng | 99   |
| 18) Fluorene                   | 15.26 | 166 | 13801 | 0.340  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.16 | 248 | 5312  | 0.394  | ng | # 82 |
| 21) Hexachlorobenzene          | 16.27 | 284 | 4776  | 0.322  | ng | 99   |
| 22) Pentachlorophenol          | 16.61 | 266 | 466   | 0.088  | ng | 96   |
| 23) Phenanthrene               | 17.00 | 178 | 23571 | 0.354  | ng | 99   |
| 24) Anthracene                 | 17.09 | 178 | 20951 | 0.352  | ng | 100  |
| 26) Fluoranthene               | 19.02 | 202 | 26221 | 0.335  | ng | 100  |
| 28) Pyrene                     | 19.39 | 202 | 26842 | 0.364  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.14 | 228 | 24659 | 0.337  | ng | 98   |
| 31) Chrysene                   | 21.20 | 228 | 24891 | 0.352  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.10 | 149 | 14970 | 0.315  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.45 | 276 | 30146 | 0.382  | ng | 100  |
| 35) Benzo(b)fluoranthene       | 22.68 | 252 | 25483 | 0.349  | ng | 100  |
| 36) Benzo(k)fluoranthene       | 22.72 | 252 | 26077 | 0.352  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.22 | 252 | 24396 | 0.361  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 25.46 | 278 | 24792 | 0.372  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 26.09 | 276 | 25831 | 0.388  | ng | 99   |

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

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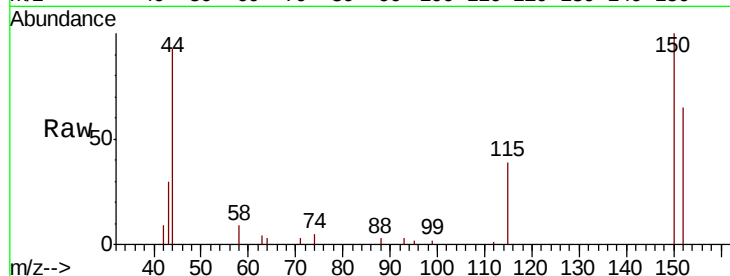


#1

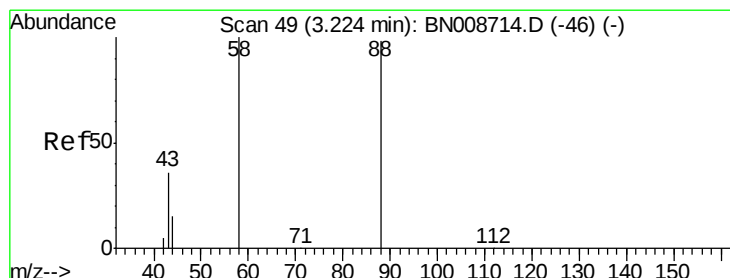
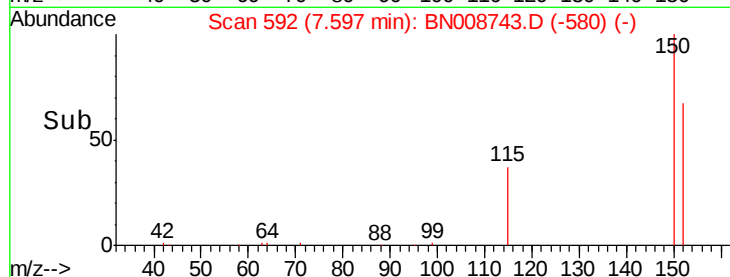
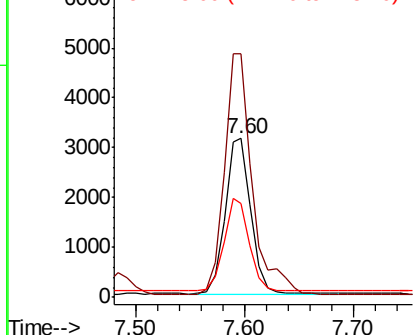
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.60 min Scan# 592  
Delta R.T. 0.00 min  
Lab File: BN008743.D  
Acq: 25 Nov 2019 18:52

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 5132  
Ion Ratio Lower Upper  
152 100  
150 153.0 124.0 186.0  
115 59.1 49.8 74.8



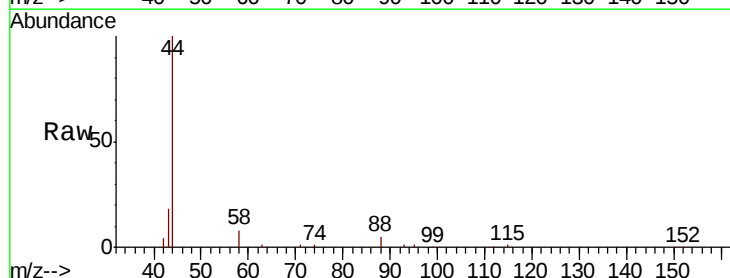
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



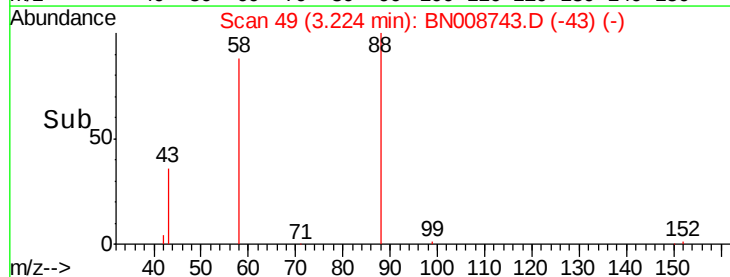
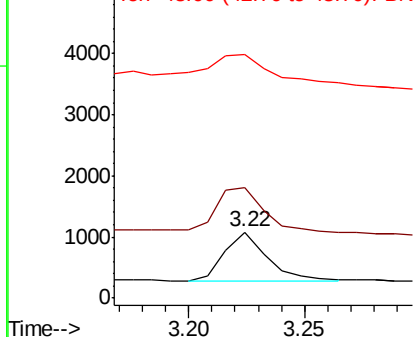
#2

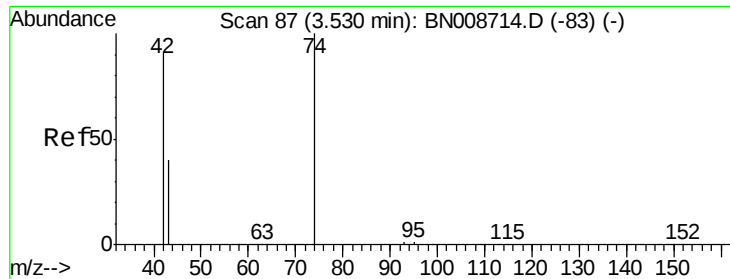
1,4-Dioxane  
Concen: 0.188 ng  
RT: 3.22 min Scan# 49  
Delta R.T. -0.00 min  
Lab File: BN008743.D  
Acq: 25 Nov 2019 18:52

Tgt Ion: 88 Resp: 1021  
Ion Ratio Lower Upper  
88 100  
58 99.2 85.7 128.5  
43 76.2 29.5 44.3#



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





#3

n-Nitrosodimethylamine

Concen: 0.195 ng

RT: 3.53 min Scan# 87

Delta R.T. 0.00 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :

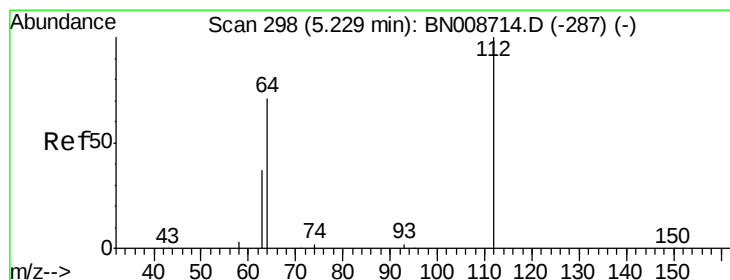
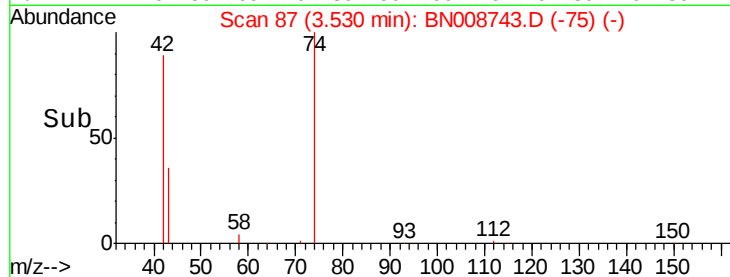
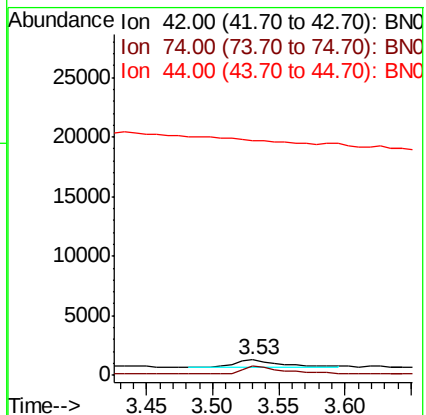
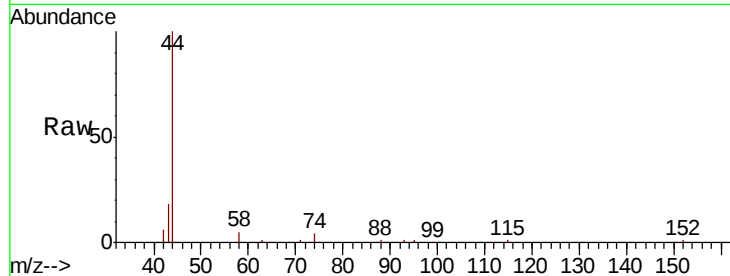
Tot Ion: 42 Resp: 1309

Ion Ratio Lower Upper

42 100

74 108.3 88.0 132.0

44 0.0 0.0 0.0



#4

2-Fluorophenol

Concen: 0.230 ng

RT: 5.23 min Scan# 298

Delta R.T. -0.00 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

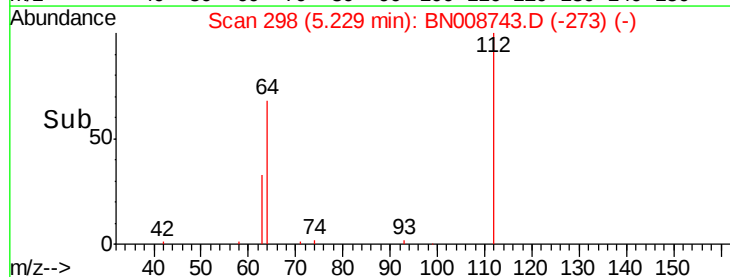
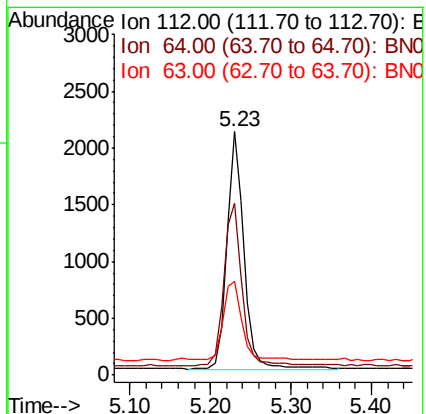
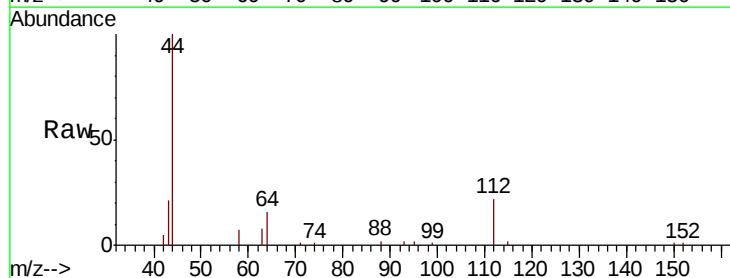
Tgt Ion: 112 Resp: 3095

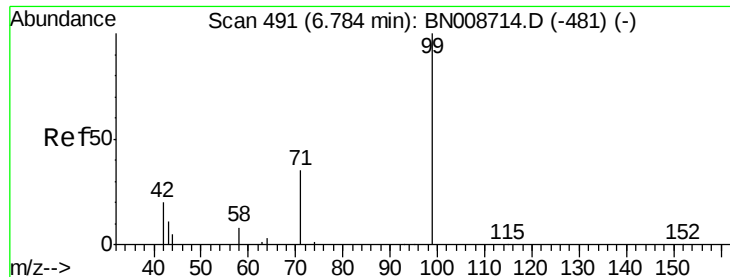
Ion Ratio Lower Upper

112 100

64 71.3 57.1 85.7

63 36.0 29.7 44.5





#5

Phenol-d6

Concen: 0.170 ng

RT: 6.78 min Scan# 491

Delta R.T. -0.00 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampled :

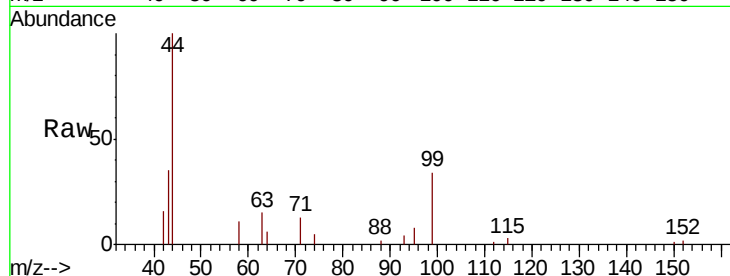
Tot Ion: 99 Resp: 2887

Ion Ratio Lower Upper

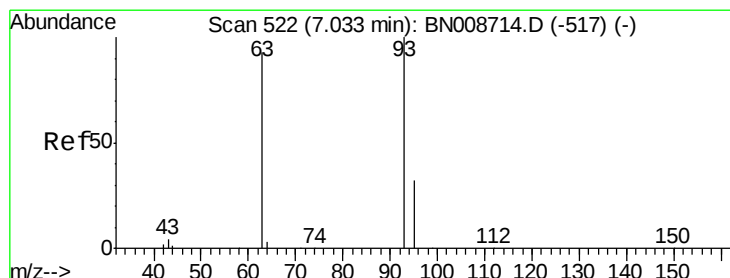
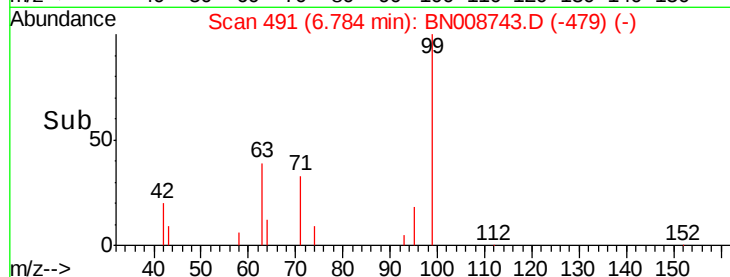
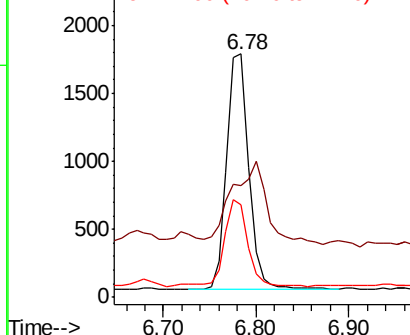
99 100

42 0.0 19.4 29.2#

71 37.2 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BN0  
Ion 42.00 (41.70 to 42.70): BN0  
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.349 ng

RT: 7.03 min Scan# 521

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

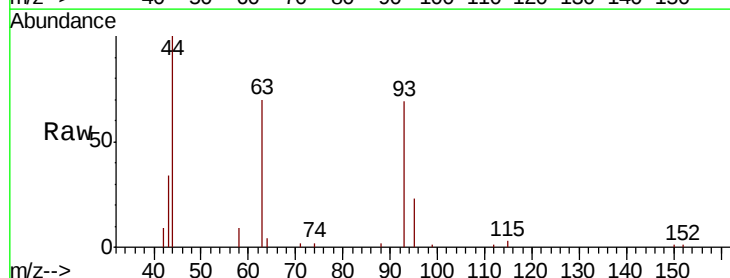
Tgt Ion: 93 Resp: 5551

Ion Ratio Lower Upper

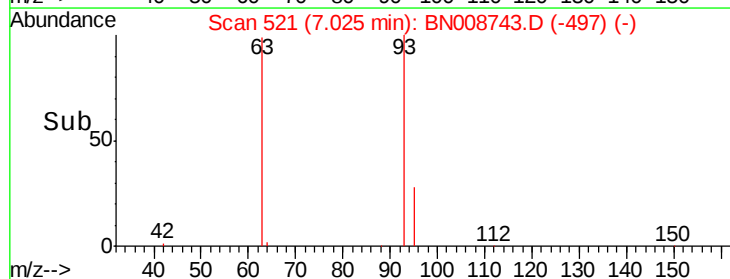
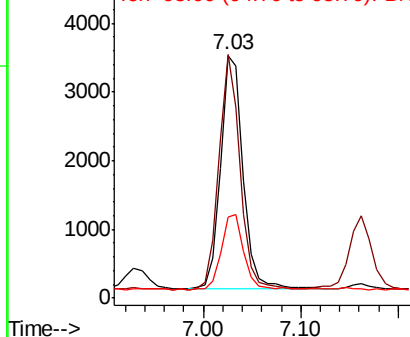
93 100

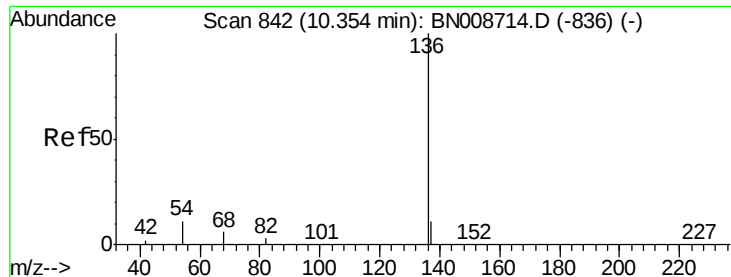
63 94.7 74.2 111.4

95 33.0 26.2 39.2



Abundance Ion 93.00 (92.70 to 93.70): BN0  
Ion 63.00 (62.70 to 63.70): BN0  
Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.35 min Scan# 842

Delta R.T. -0.00 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 18487

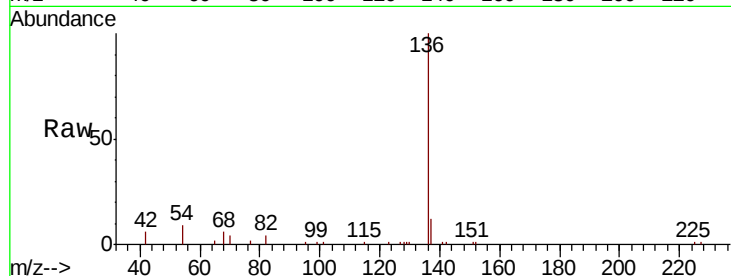
Ion Ratio Lower Upper

136 100

137 11.7 9.3 13.9

54 8.8 9.4 14.2#

68 5.6 5.8 8.6#

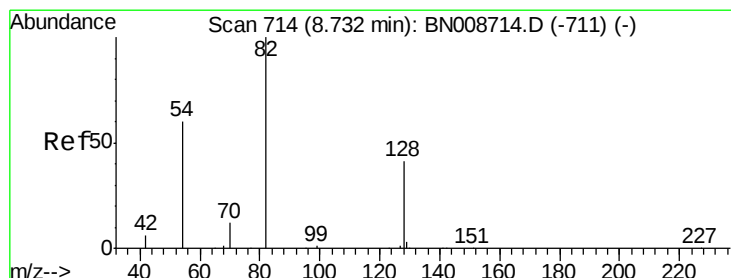
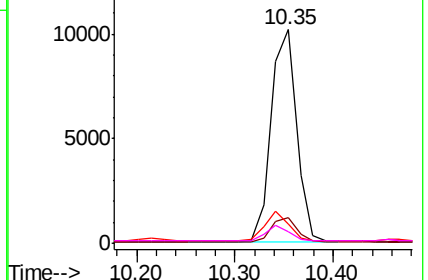
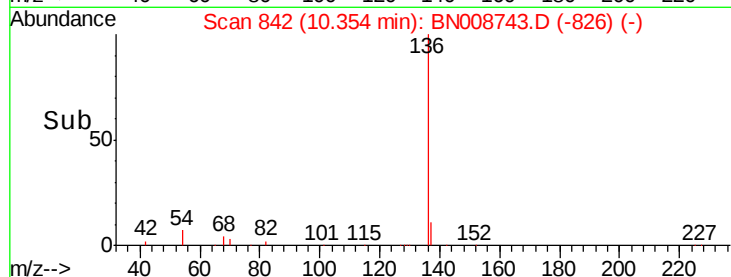


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.298 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

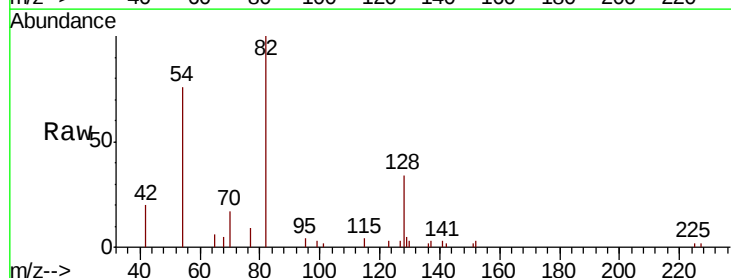
Tgt Ion: 82 Resp: 4955

Ion Ratio Lower Upper

82 100

128 34.3 34.6 52.0#

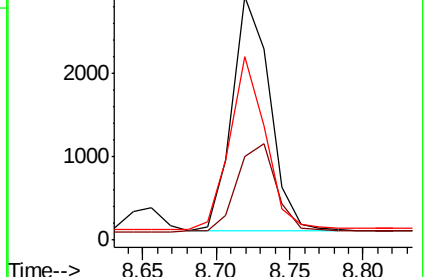
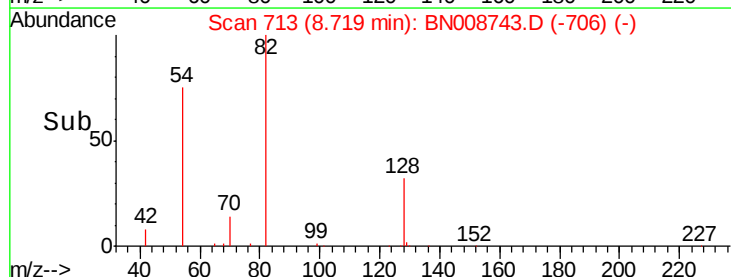
54 75.5 50.2 75.4#

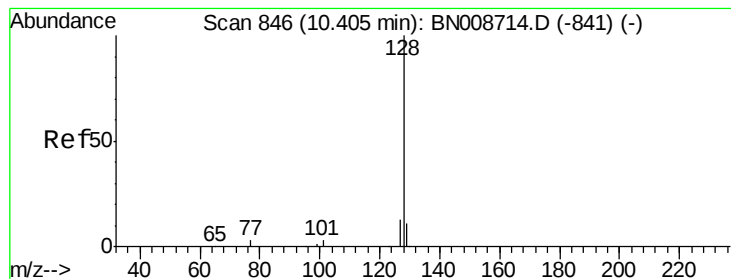


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.348 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :

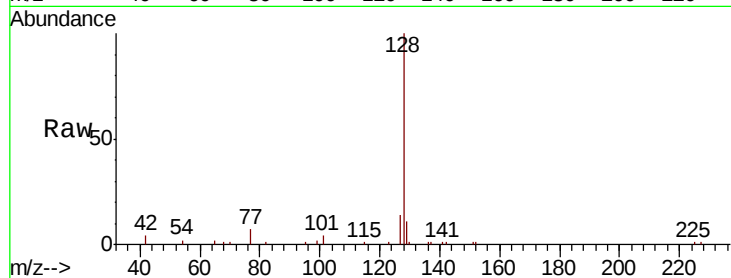
Tot Ion:128 Resp: 17178

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.2

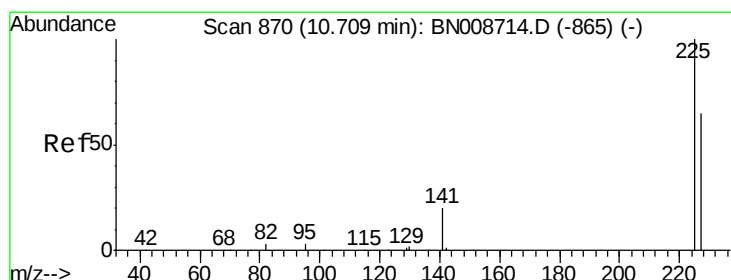
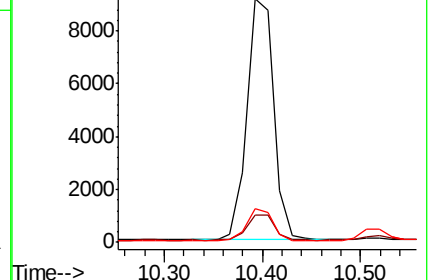
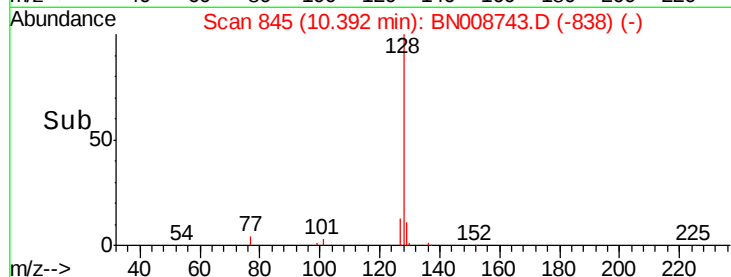
127 13.8 10.5 15.7



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: 0.302 ng

RT: 10.70 min Scan# 869

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

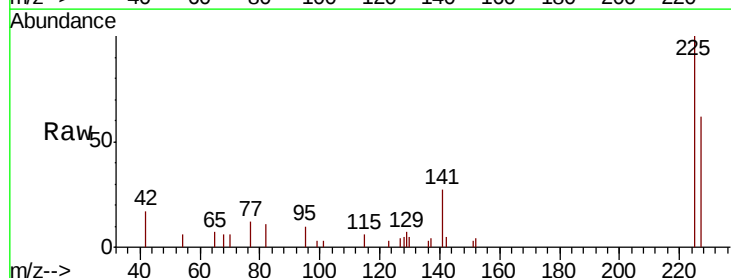
Tgt Ion:225 Resp: 3087

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

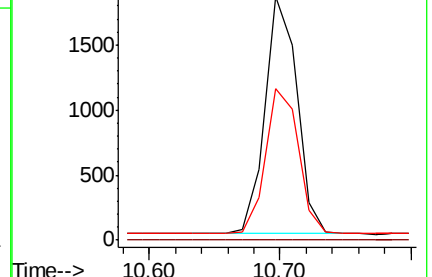
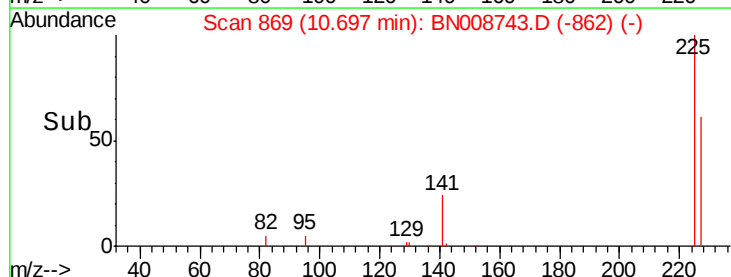
227 63.2 51.8 77.6

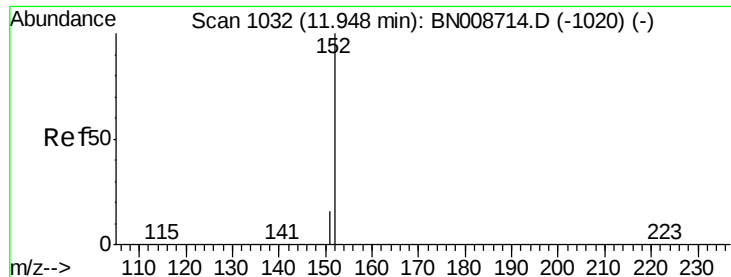


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

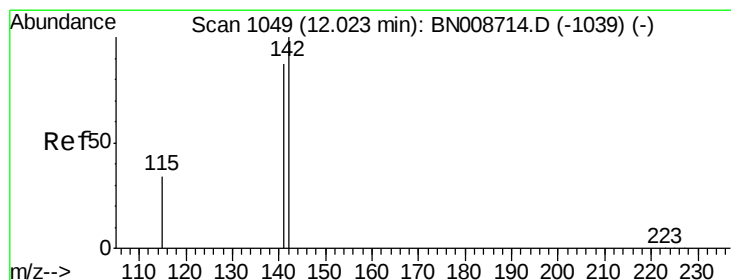
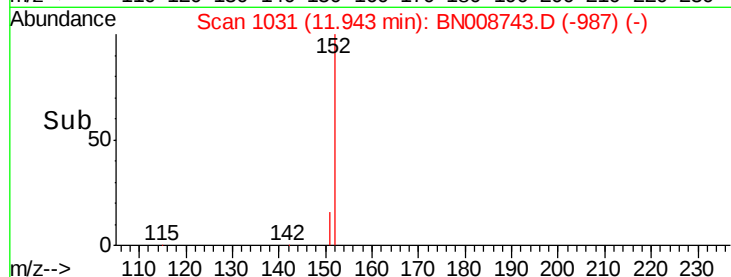
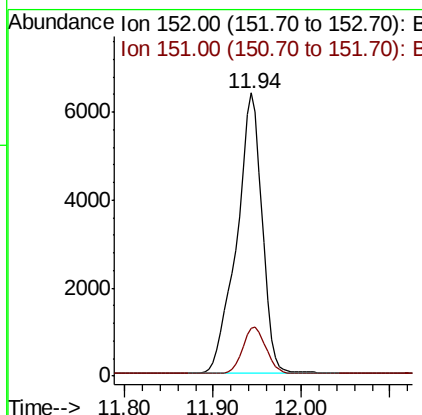
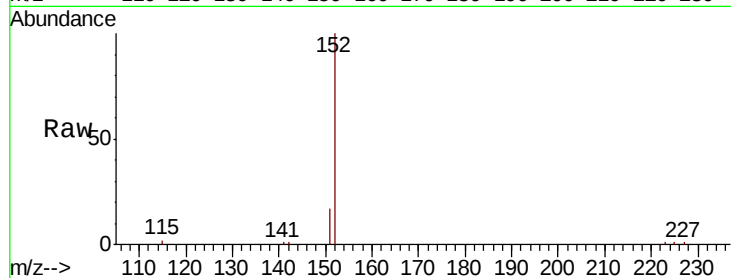




#11  
2-Methylnaphthalene-d10  
Concen: 0.434 ng  
RT: 11.94 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: BN008743.D  
Acq: 25 Nov 2019 18:52

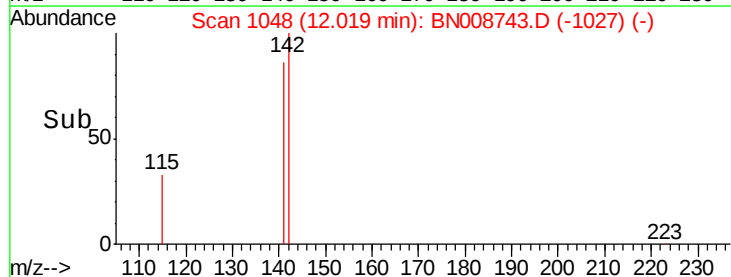
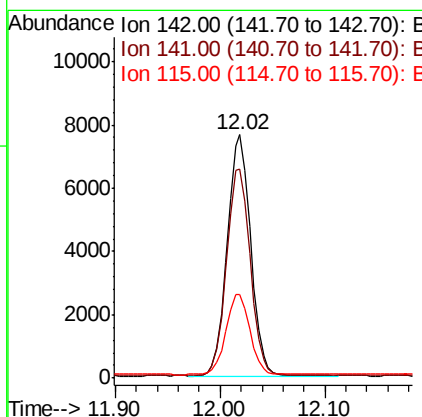
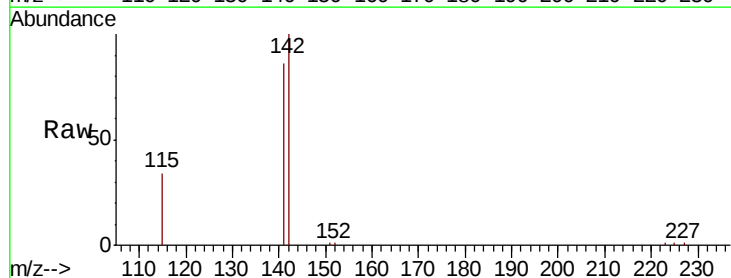
Instrument :  
BNA\_N  
ClientSampleId :

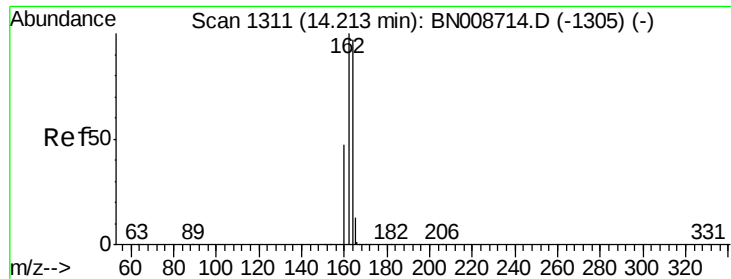
Tot Ion:152 Resp: 12678  
Ion Ratio Lower Upper  
152 100  
151 15.1 15.2 22.8#



#12  
2-Methylnaphthalene  
Concen: 0.342 ng  
RT: 12.02 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: BN008743.D  
Acq: 25 Nov 2019 18:52

Tgt Ion:142 Resp: 11764  
Ion Ratio Lower Upper  
142 100  
141 85.8 69.8 104.6  
115 34.2 28.4 42.6

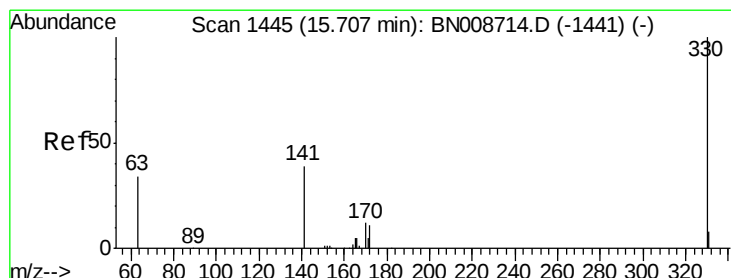
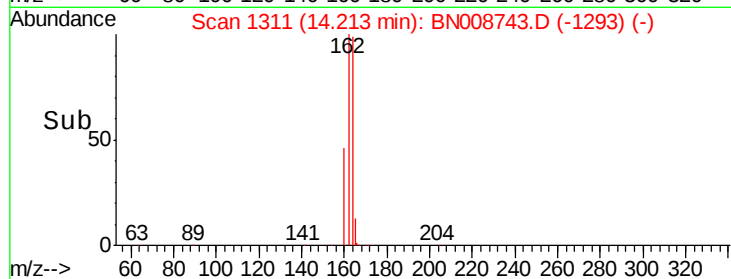
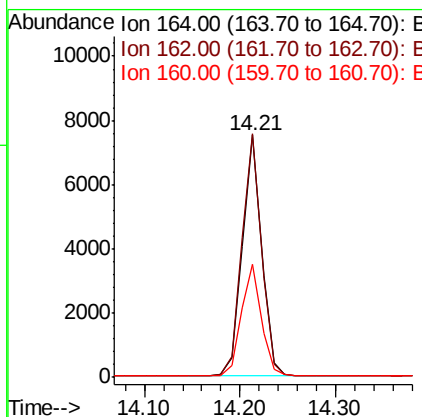
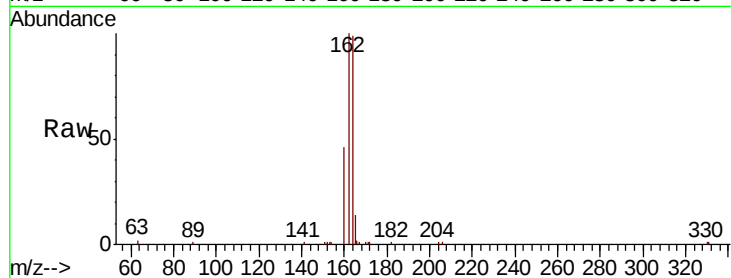




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.21 min Scan# 1311  
Delta R.T. 0.00 min  
Lab File: BN008743.D  
Acq: 25 Nov 2019 18:52

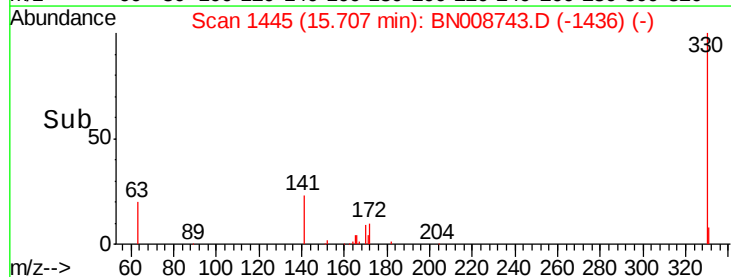
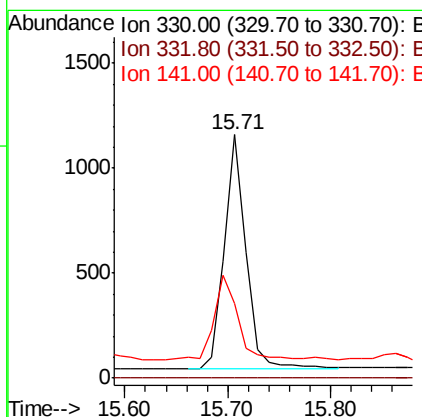
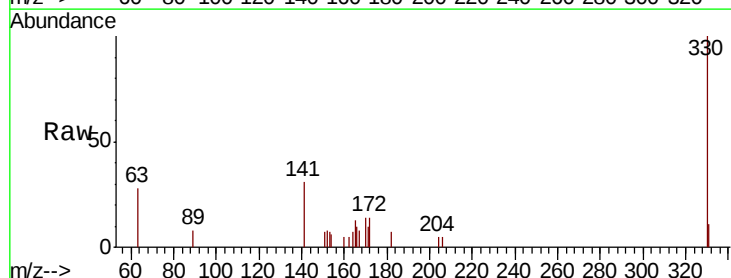
Instrument :  
BNA\_N  
ClientSampleId :

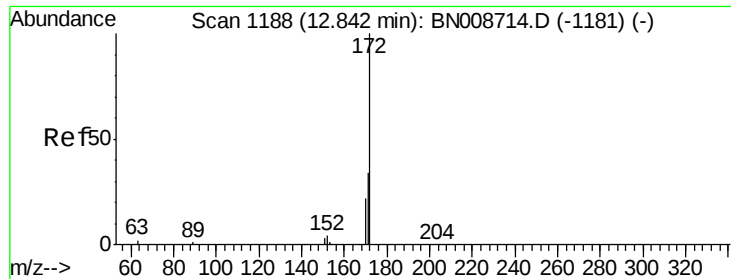
Tot Ion:164 Resp: 10459  
Ion Ratio Lower Upper  
164 100  
162 100.6 82.2 123.4  
160 46.8 38.7 58.1



#14  
2,4,6-Tribromophenol  
Concen: 0.332 ng  
RT: 15.71 min Scan# 1445  
Delta R.T. -0.00 min  
Lab File: BN008743.D  
Acq: 25 Nov 2019 18:52

Tgt Ion:330 Resp: 1616  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 41.0 29.5 44.3

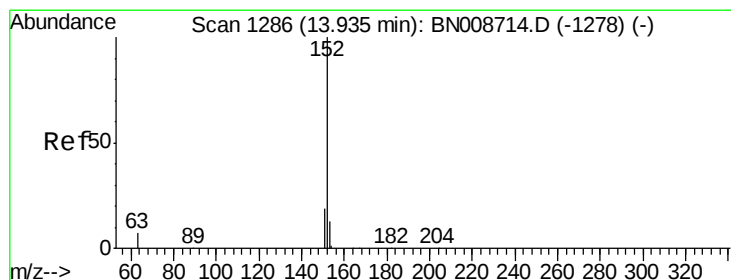
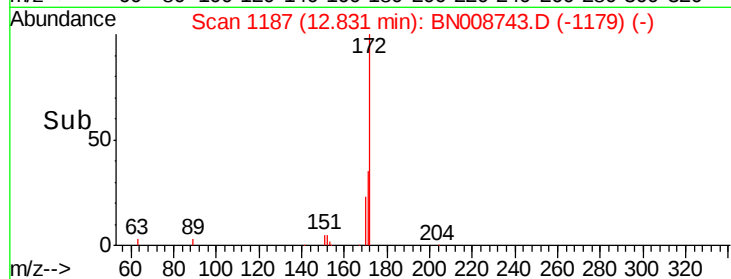
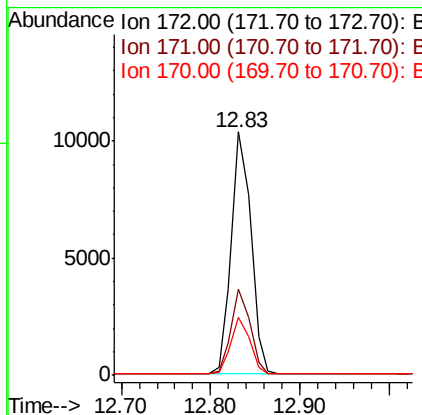
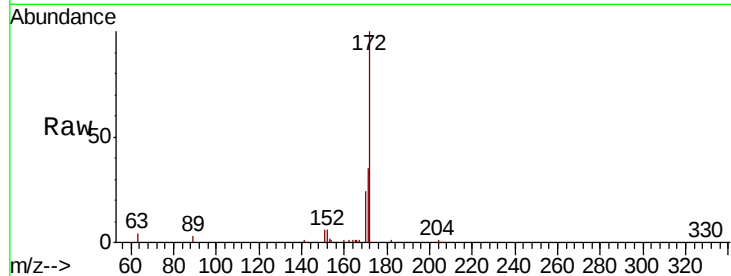




#15  
2-Fluorobiphenyl  
Concen: 0.390 ng  
RT: 12.83 min Scan# 1187  
Delta R.T. -0.01 min  
Lab File: BN008743.D  
Acq: 25 Nov 2019 18:52

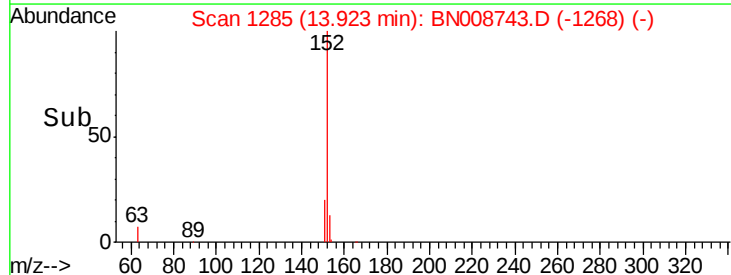
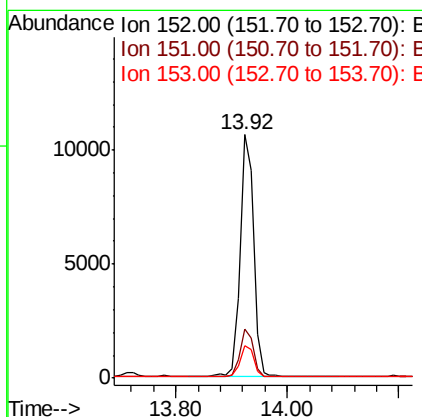
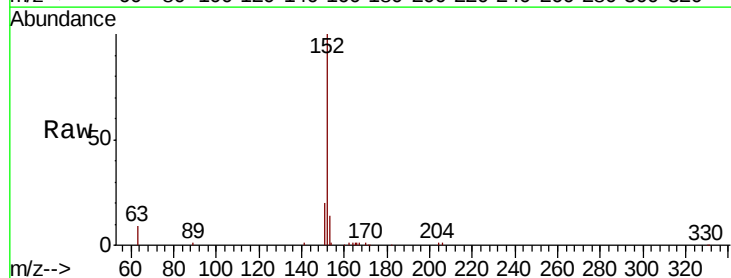
Instrument :  
BNA\_N  
ClientSampled :

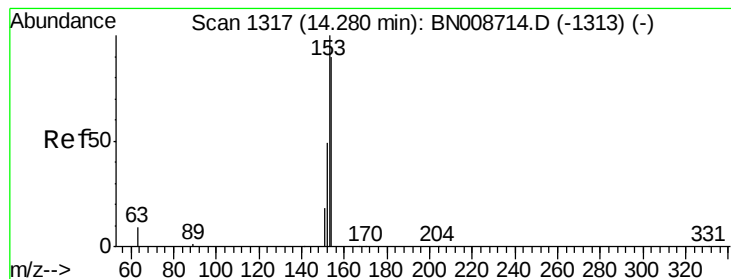
Tot Ion:172 Resp: 15929  
Ion Ratio Lower Upper  
172 100  
171 35.4 27.3 40.9  
170 23.9 17.8 26.6



#16  
Acenaphthylene  
Concen: 0.361 ng  
RT: 13.92 min Scan# 1285  
Delta R.T. -0.01 min  
Lab File: BN008743.D  
Acq: 25 Nov 2019 18:52

Tgt Ion:152 Resp: 17380  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.5 23.3  
153 13.4 10.3 15.5





#17

Acenaphthene

Concen: 0.341 ng

RT: 14.28 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

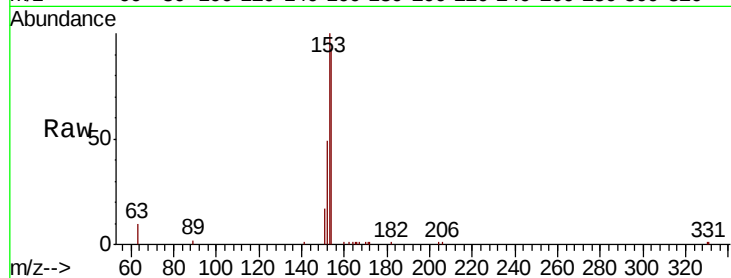
Instrument :

BNA\_N

ClientSampleId :

Tot Ion:154 Resp: 10790

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 110.9 | 89.6  | 134.4 |
| 152 | 55.2  | 44.7  | 67.1  |

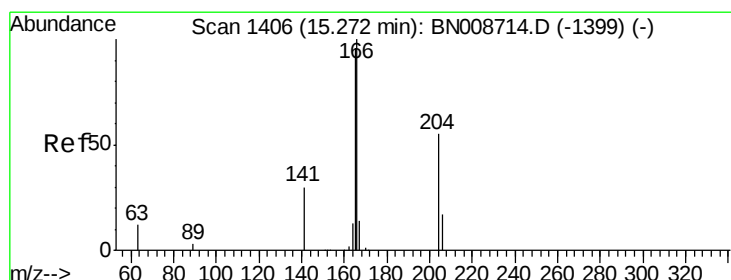
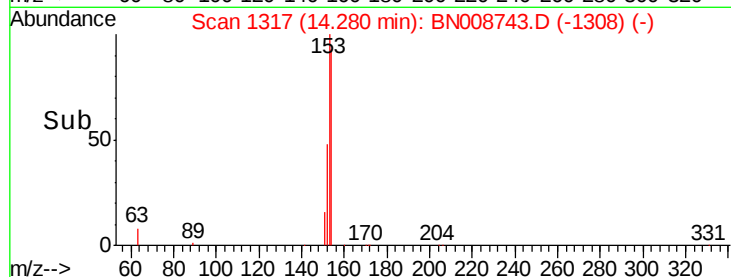
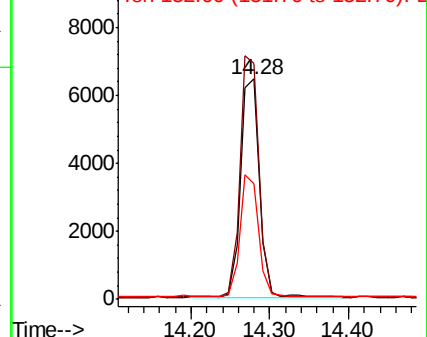


Abundance

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: 0.340 ng

RT: 15.26 min Scan# 1405

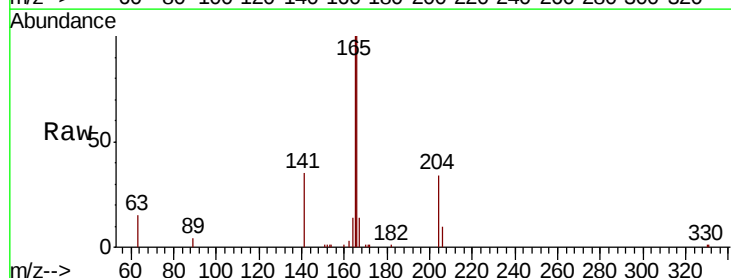
Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Tgt Ion:166 Resp: 13801

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 97.2  | 77.7  | 116.5 |
| 167 | 13.6  | 10.8  | 16.2  |

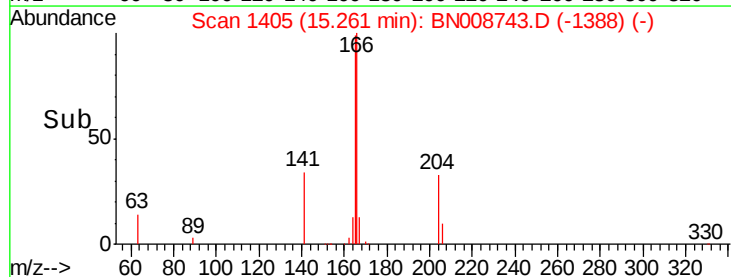
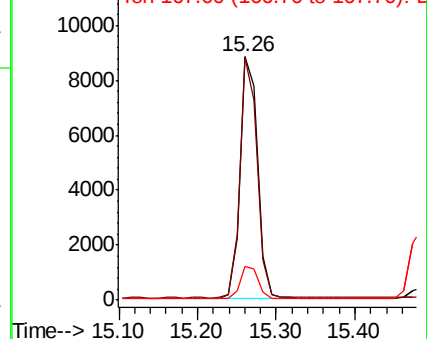


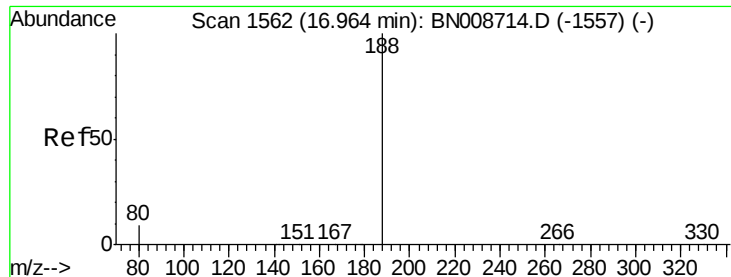
Abundance

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: 16.95 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :

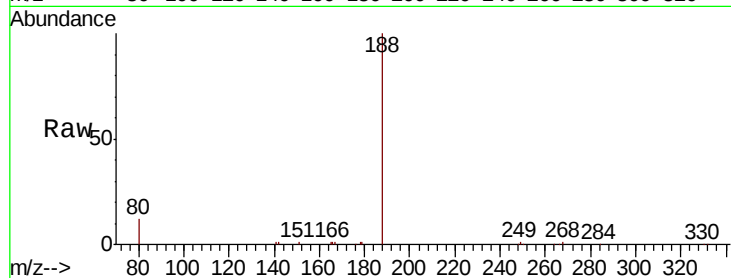
Tot Ion:188 Resp: 21585

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

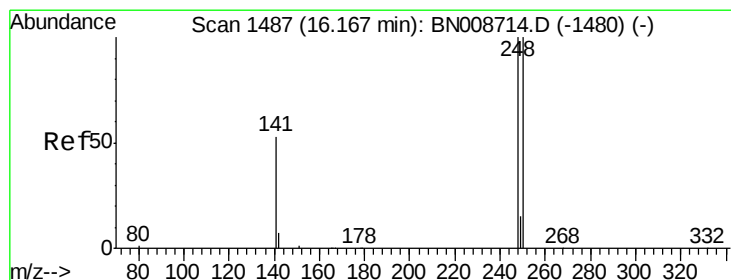
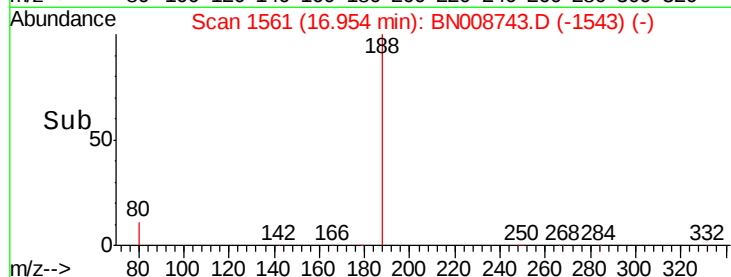
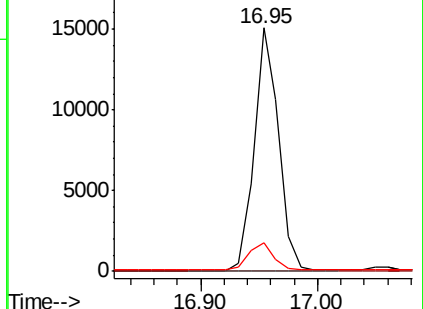
80 12.0 7.4 11.0#



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: 0.394 ng

RT: 16.16 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

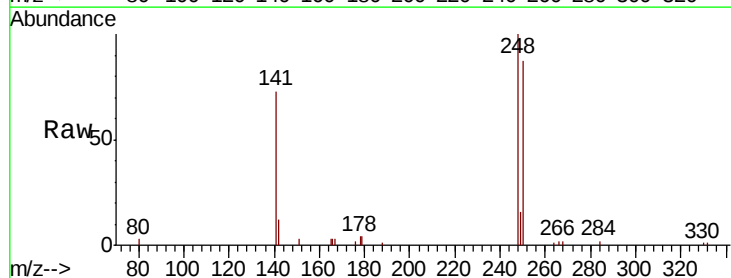
Tgt Ion:248 Resp: 5312

Ion Ratio Lower Upper

248 100

250 86.9 80.5 120.7

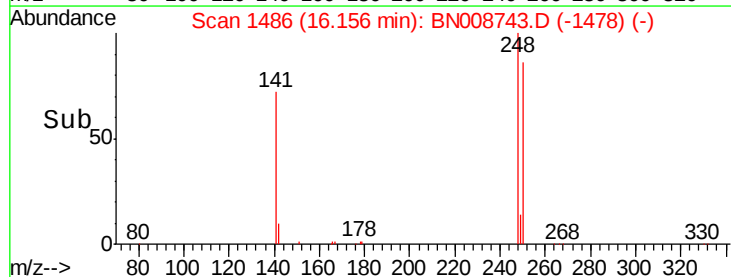
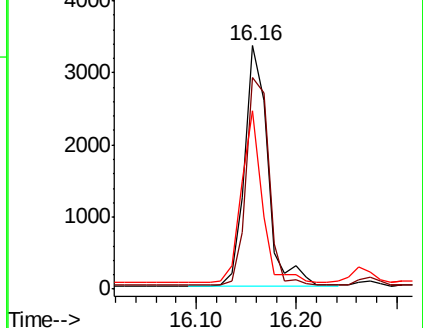
141 73.4 43.8 65.6#

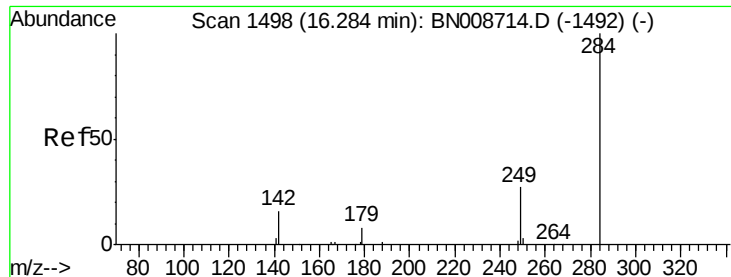


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.322 ng

RT: 16.27 min Scan# 1497

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :

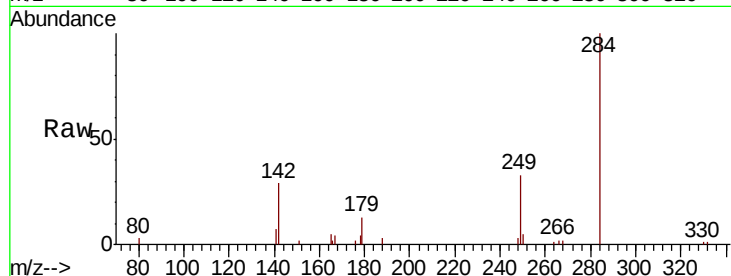
Tot Ion:284 Resp: 4776

Ion Ratio Lower Upper

284 100

142 35.7 27.4 41.0

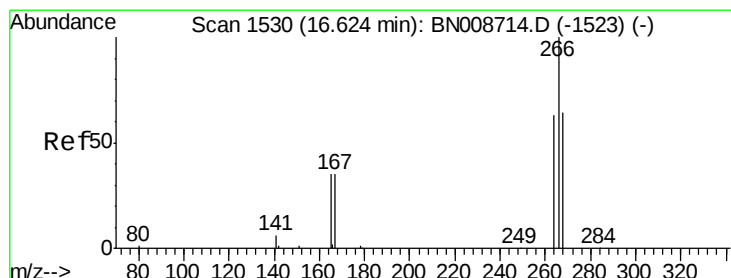
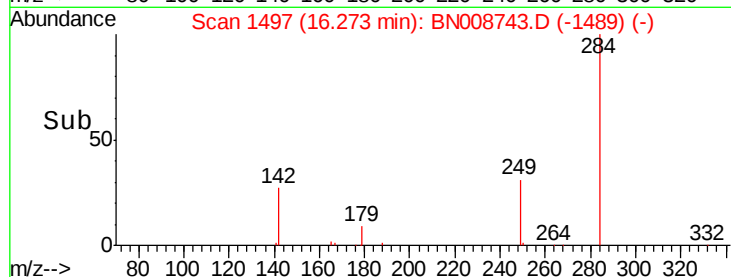
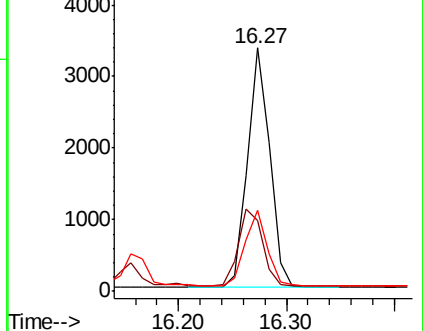
249 31.5 25.4 38.0



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: 0.088 ng

RT: 16.61 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

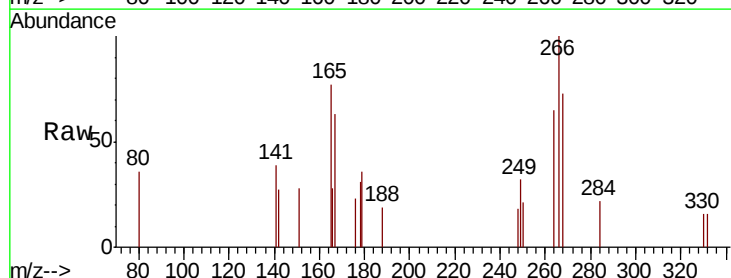
Tgt Ion:266 Resp: 466

Ion Ratio Lower Upper

266 100

264 64.8 51.0 76.4

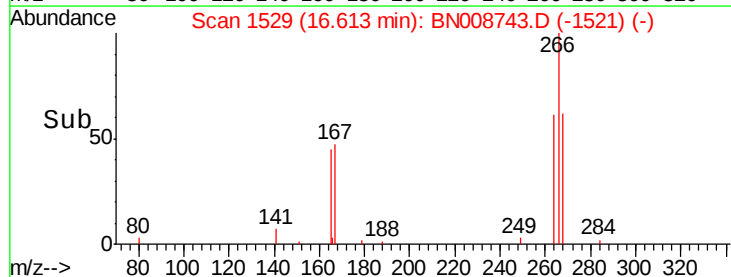
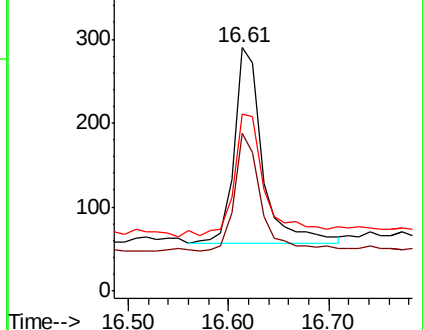
268 72.8 54.1 81.1

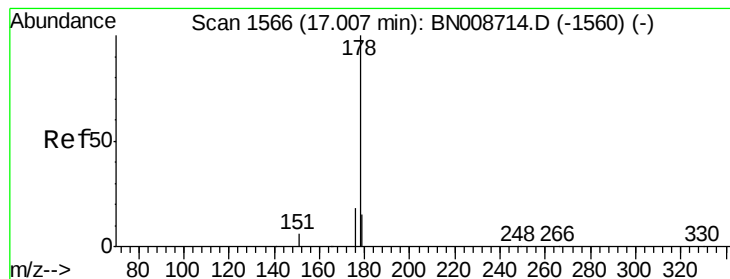


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.354 ng

RT: 17.00 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :

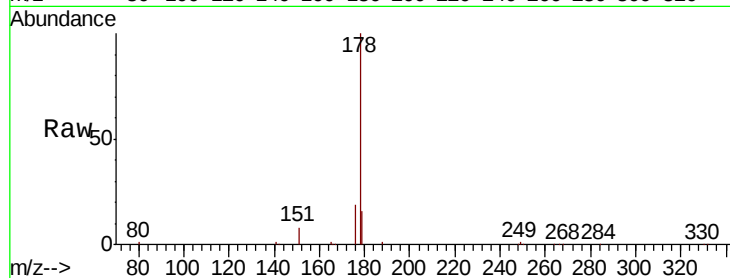
Tot Ion:178 Resp: 23571

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

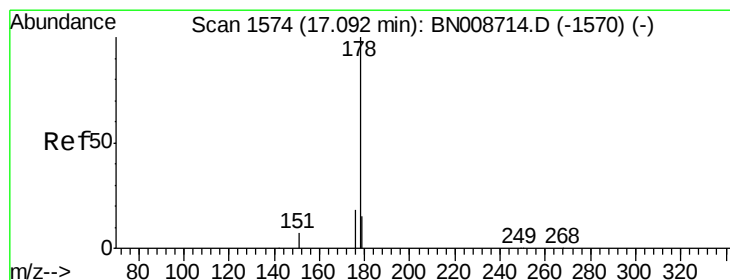
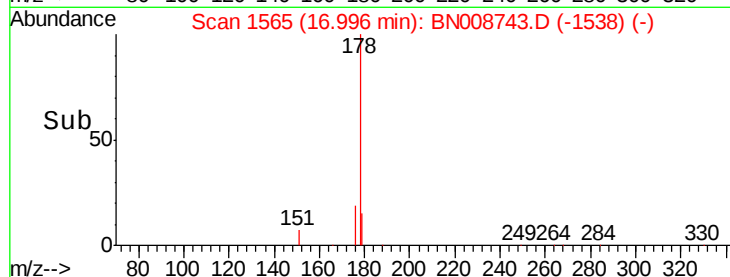
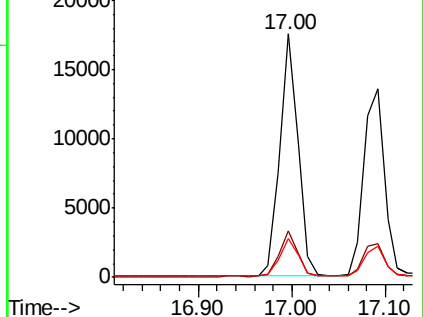
179 15.6 12.3 18.5



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



#24

Anthracene

Concen: 0.352 ng

RT: 17.09 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

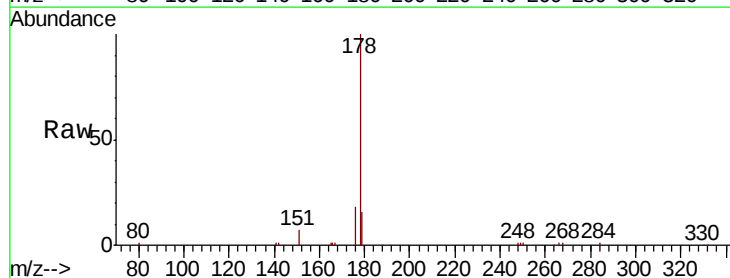
Tgt Ion:178 Resp: 20951

Ion Ratio Lower Upper

178 100

176 18.0 14.4 21.6

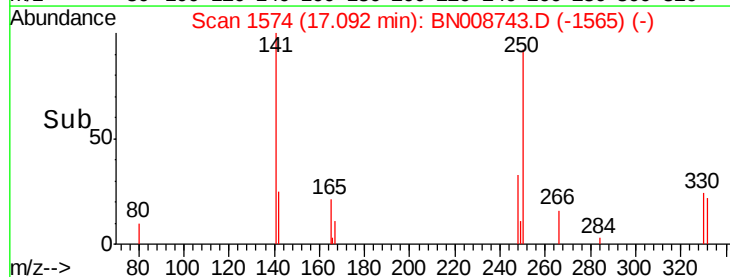
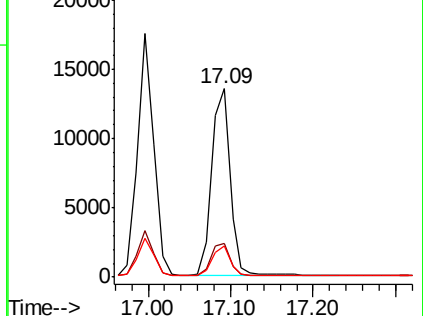
179 15.3 12.0 18.0

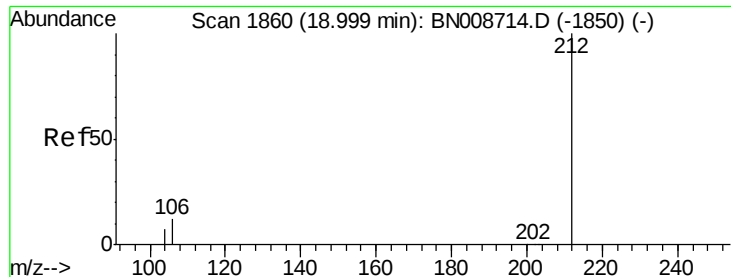


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.350 ng

RT: 18.99 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :

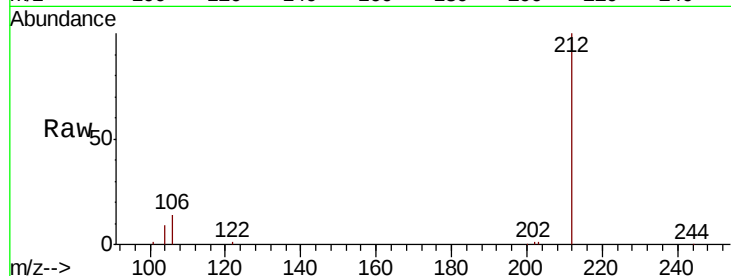
Tot Ion:212 Resp: 22192

Ion Ratio Lower Upper

212 100

106 13.5 10.6 15.8

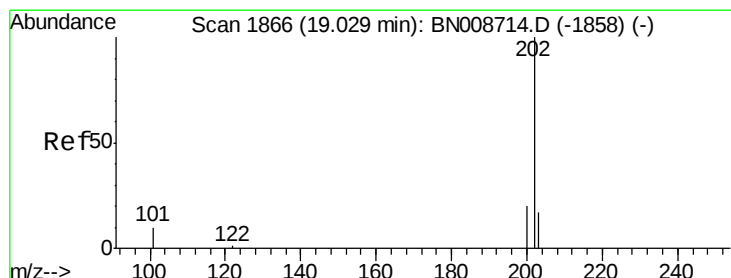
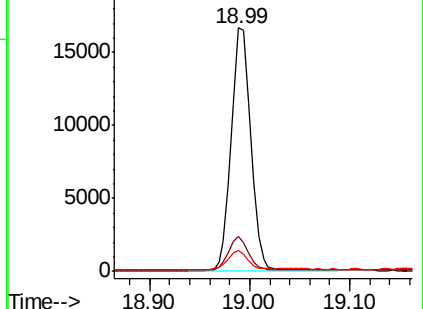
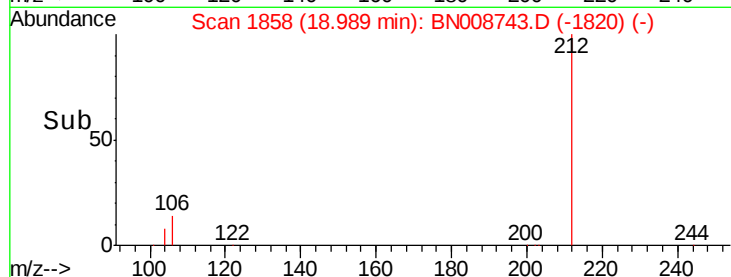
104 7.6 6.0 9.0



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: 0.335 ng

RT: 19.02 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

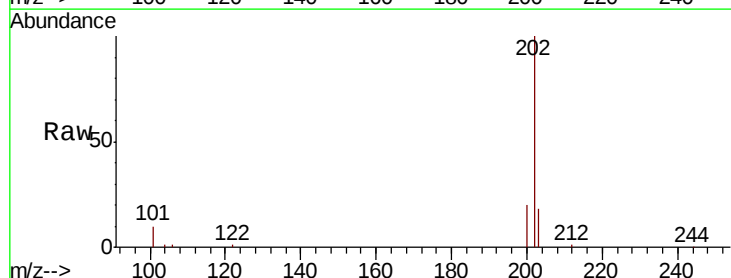
Tgt Ion:202 Resp: 26221

Ion Ratio Lower Upper

202 100

101 11.3 9.0 13.4

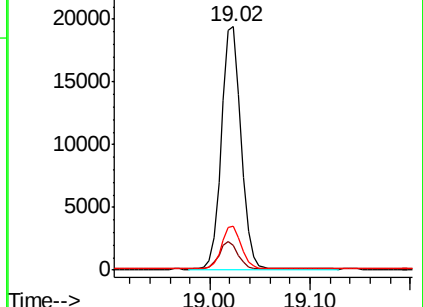
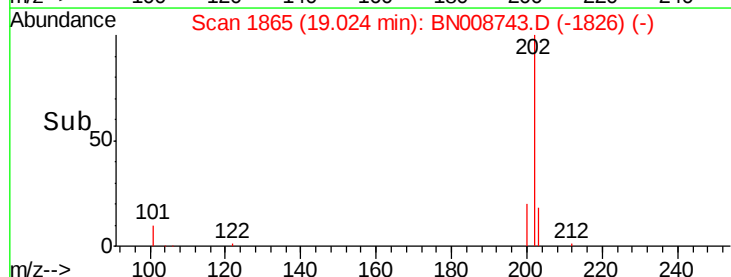
203 17.4 13.8 20.6

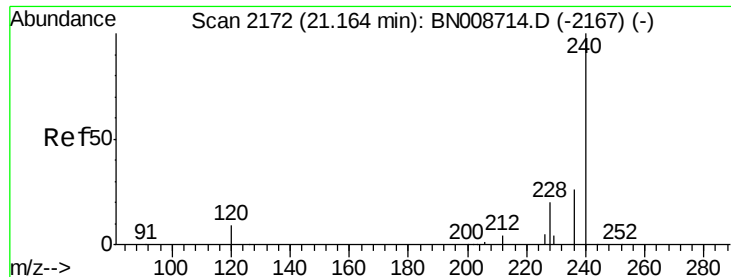


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.15 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :

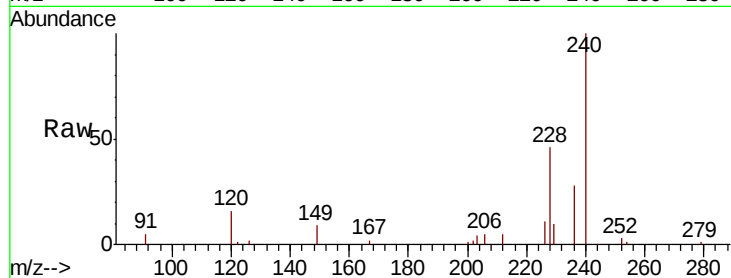
Tot Ion:240 Resp: 19970

Ion Ratio Lower Upper

240 100

120 16.2 9.0 13.4#

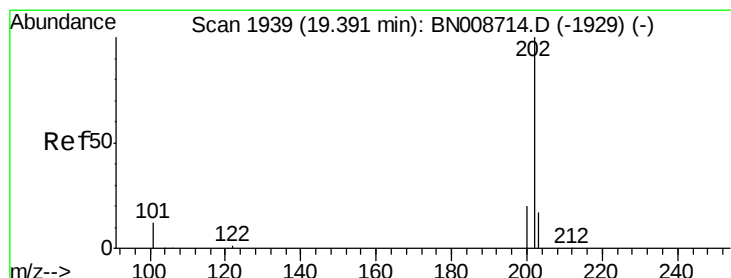
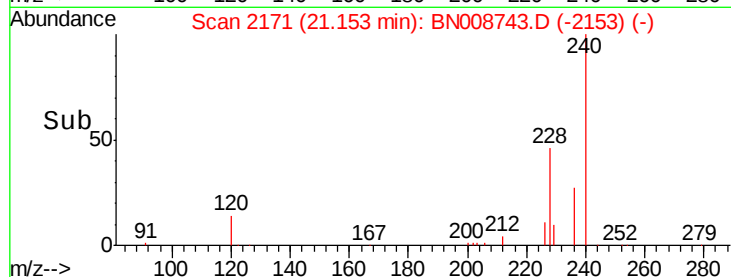
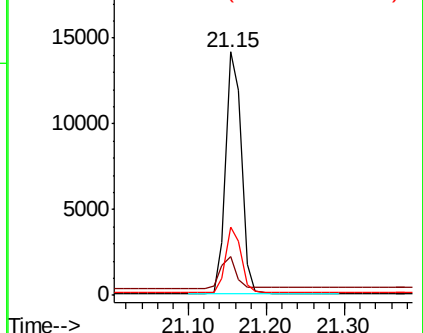
236 27.9 21.8 32.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.364 ng

RT: 19.39 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

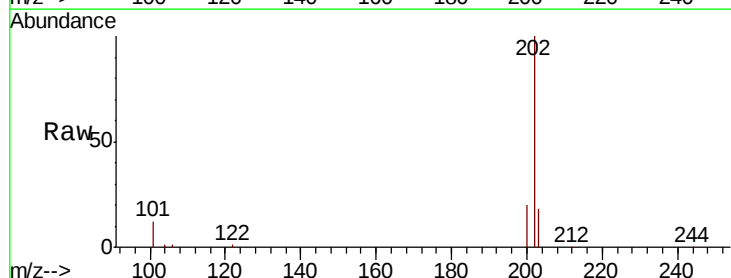
Tgt Ion:202 Resp: 26842

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.4

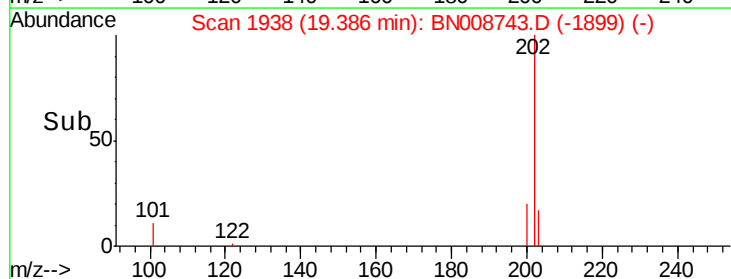
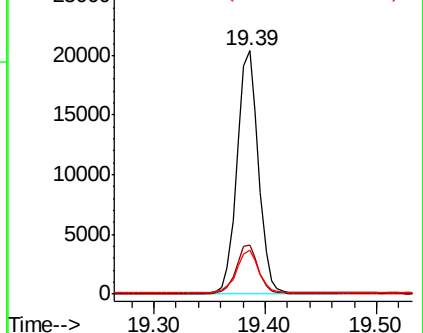
203 18.3 14.0 21.0

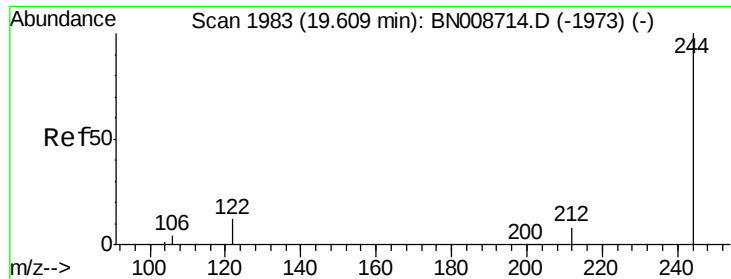


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.458 ng

RT: 19.60 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampled :

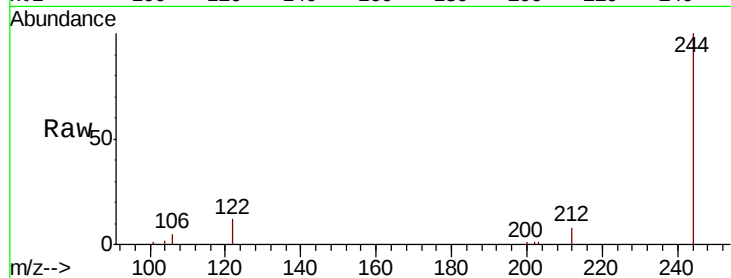
Tot Ion:244 Resp: 22016

Ion Ratio Lower Upper

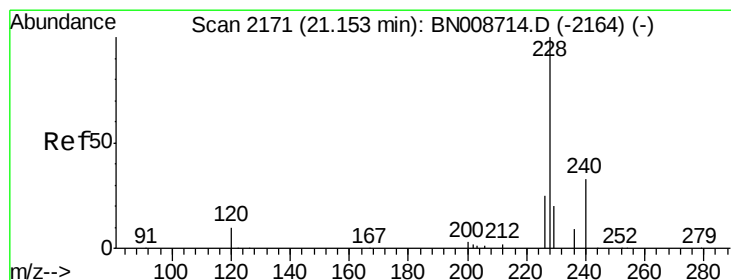
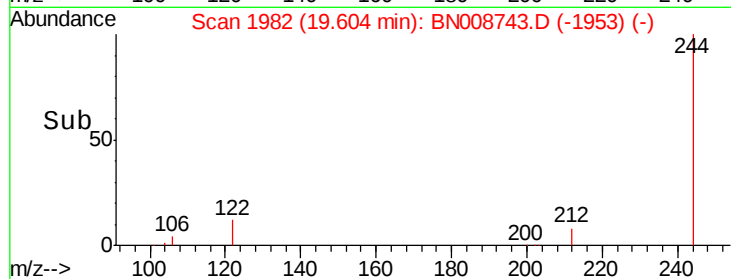
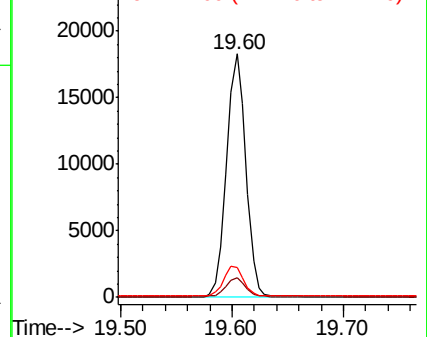
244 100

212 7.9 6.6 9.8

122 12.5 10.1 15.1



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: 0.337 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

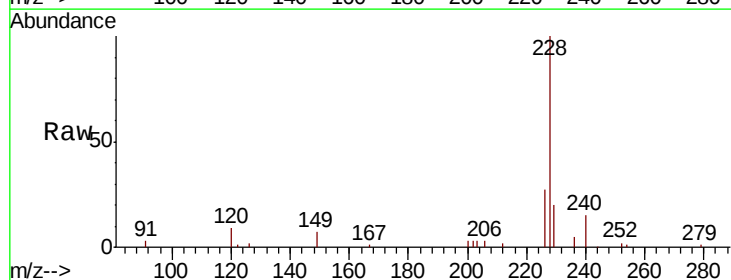
Tgt Ion:228 Resp: 24659

Ion Ratio Lower Upper

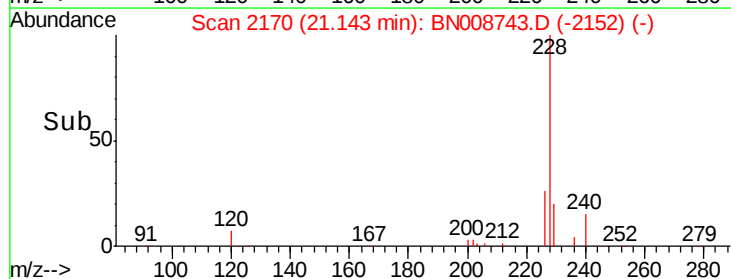
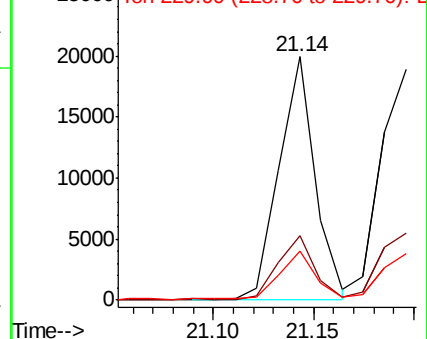
228 100

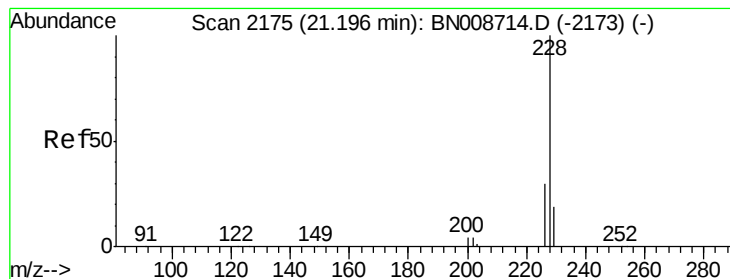
226 26.6 20.3 30.5

229 20.1 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.352 ng

RT: 21.20 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :

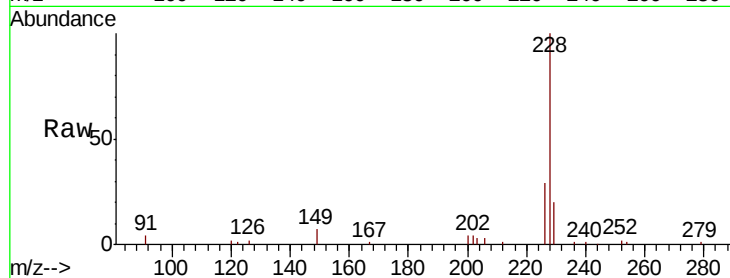
Tot Ion:228 Resp: 24891

Ion Ratio Lower Upper

228 100

226 28.9 23.8 35.8

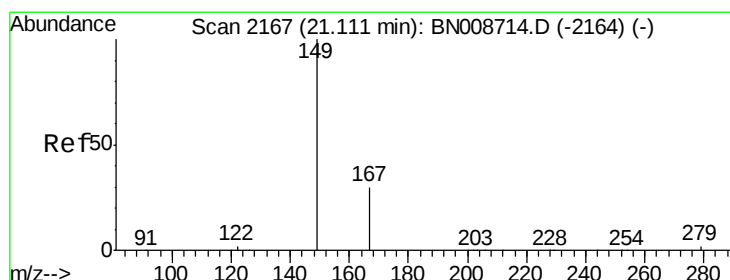
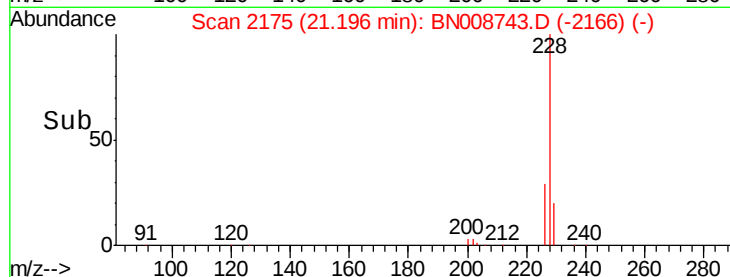
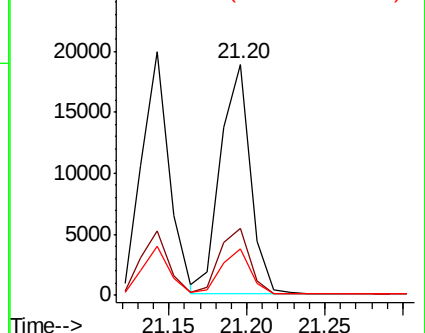
229 20.2 15.4 23.0



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: 0.315 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

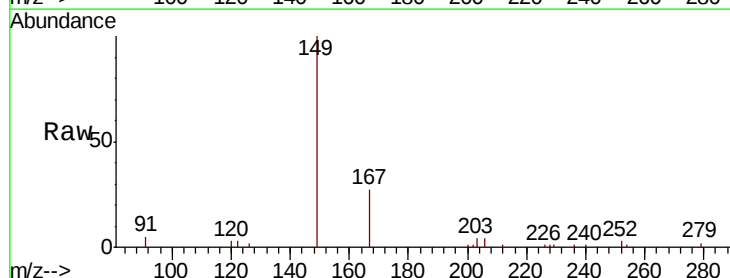
Tgt Ion:149 Resp: 14970

Ion Ratio Lower Upper

149 100

167 28.6 23.5 35.3

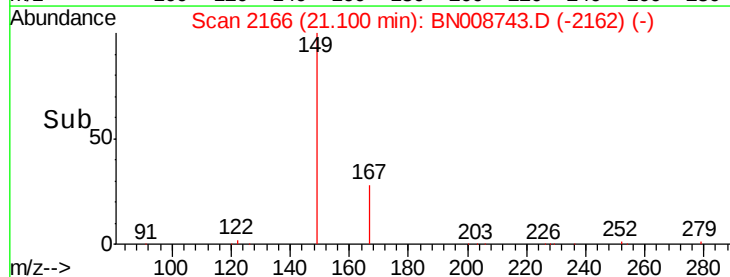
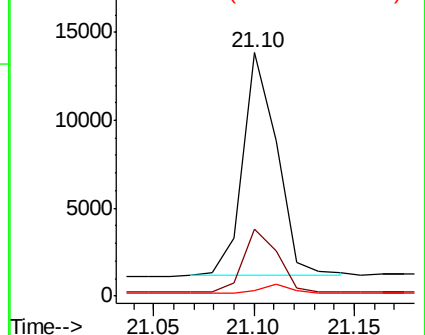
279 3.9 3.4 5.0

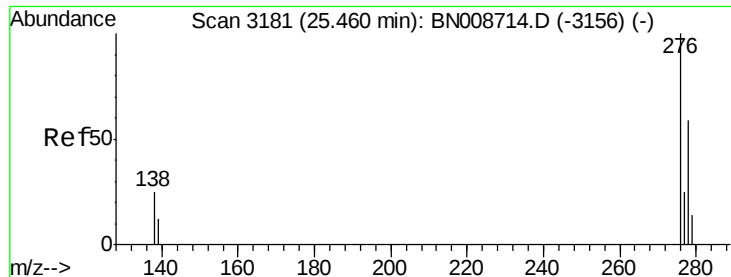


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

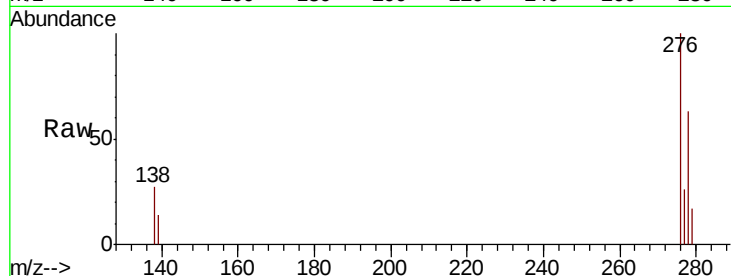




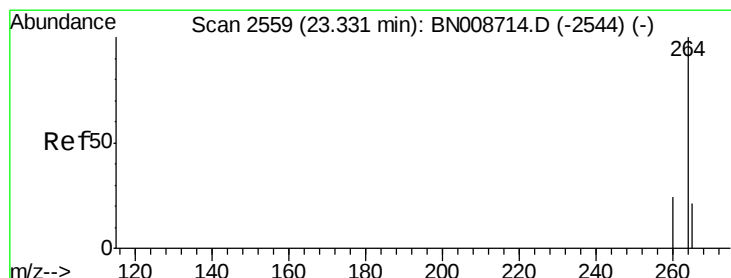
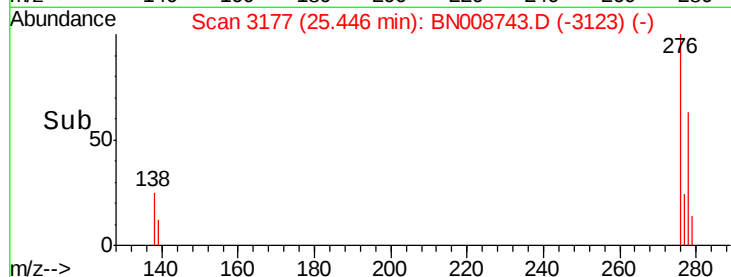
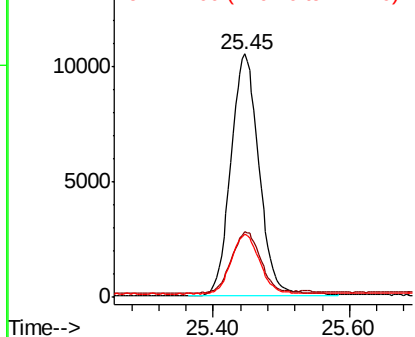
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.382 ng  
 RT: 25.45 min Scan# 3177  
 Delta R.T. -0.01 min  
 Lab File: BN008743.D  
 Acq: 25 Nov 2019 18:52

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:276 Resp: 30146  
 Ion Ratio Lower Upper  
 276 100  
 138 26.3 21.0 31.6  
 277 24.8 19.9 29.9

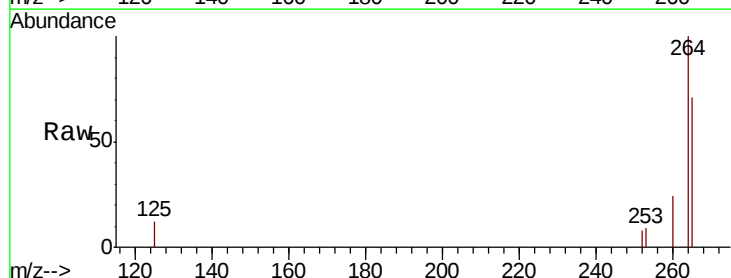


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

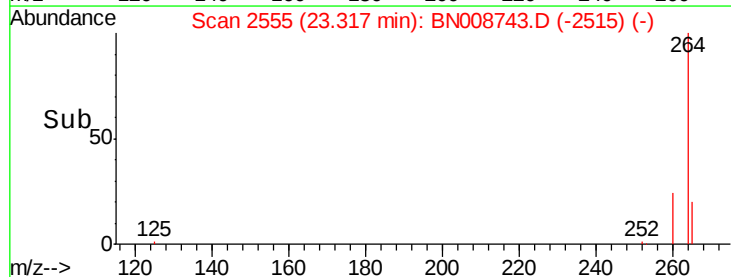
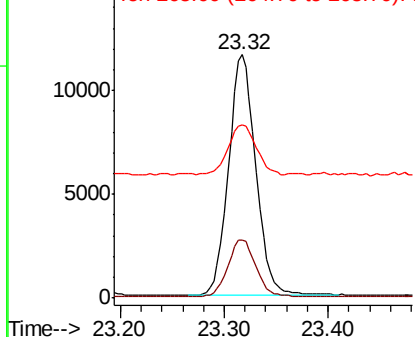


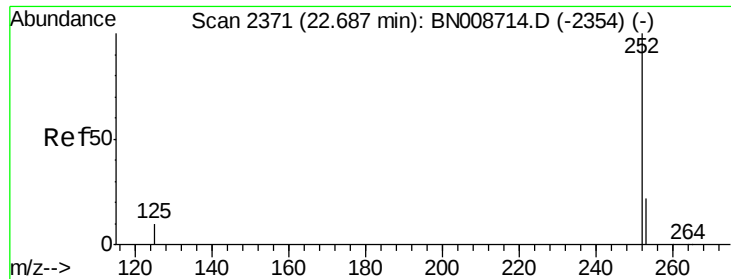
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.32 min Scan# 2555  
 Delta R.T. -0.01 min  
 Lab File: BN008743.D  
 Acq: 25 Nov 2019 18:52

Tgt Ion:264 Resp: 21112  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.6 29.4  
 265 71.3 61.8 92.6



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

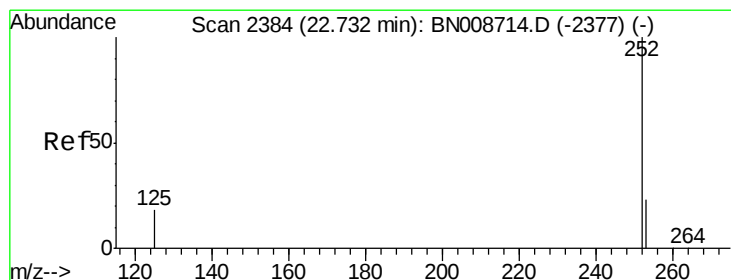
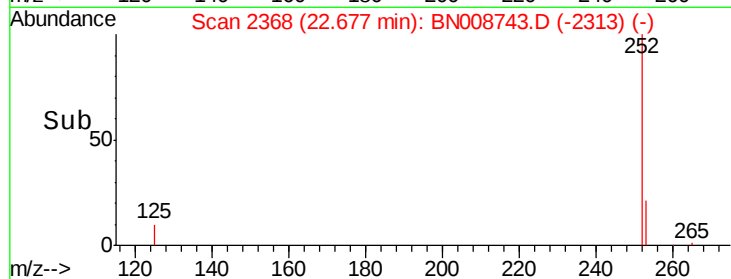
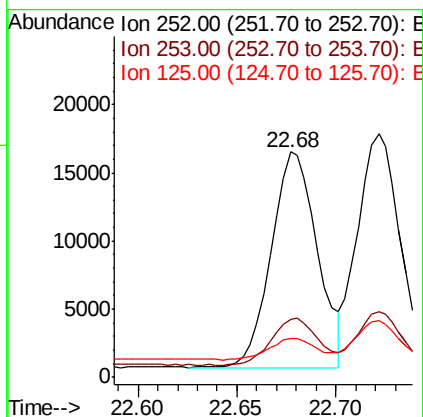
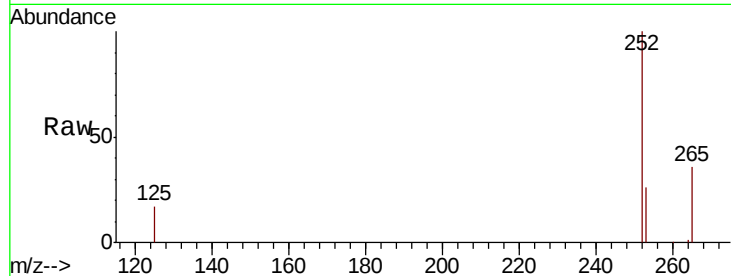




#35  
Benzo(b)fluoranthene  
Concen: 0.349 ng  
RT: 22.68 min Scan# 2368  
Delta R.T. -0.01 min  
Lab File: BN008743.D  
Acq: 25 Nov 2019 18:52

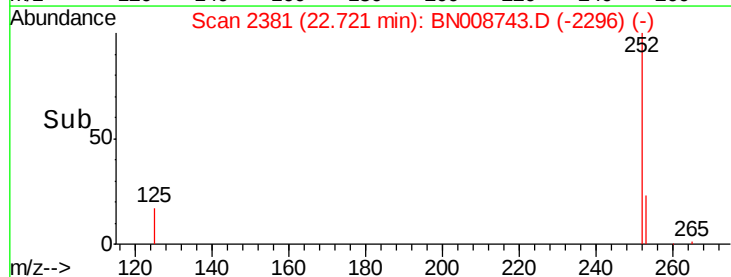
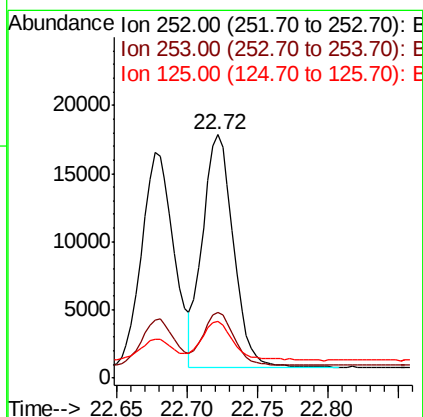
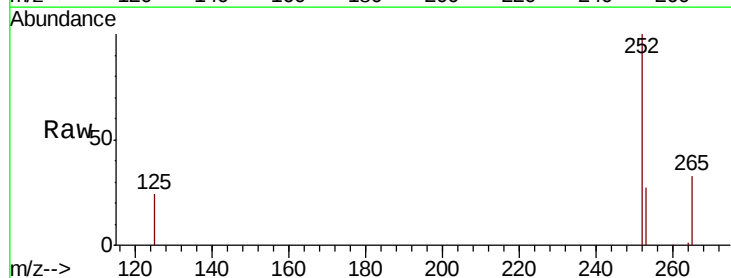
Instrument :  
BNA\_N  
ClientSampleId :

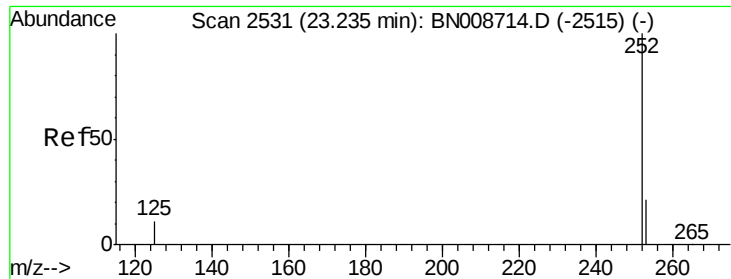
Tot Ion:252 Resp: 25483  
Ion Ratio Lower Upper  
252 100  
253 26.0 20.8 31.2  
125 17.3 13.5 20.3



#36  
Benzo(k)fluoranthene  
Concen: 0.352 ng  
RT: 22.72 min Scan# 2381  
Delta R.T. -0.01 min  
Lab File: BN008743.D  
Acq: 25 Nov 2019 18:52

Tgt Ion:252 Resp: 26077  
Ion Ratio Lower Upper  
252 100  
253 27.0 21.8 32.6  
125 23.5 18.2 27.4





#37

Benzo(a)pyrene

Concen: 0.361 ng

RT: 23.22 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :

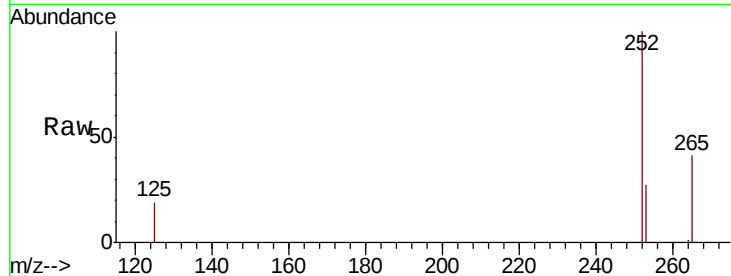
Tot Ion:252 Resp: 24396

Ion Ratio Lower Upper

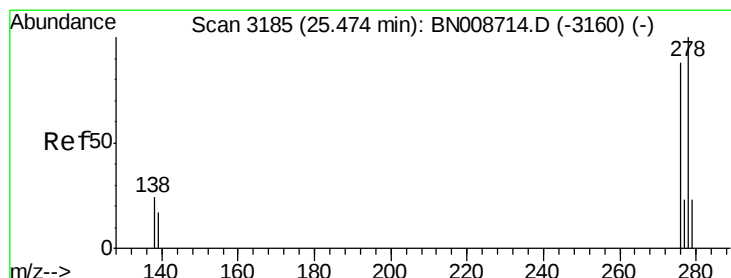
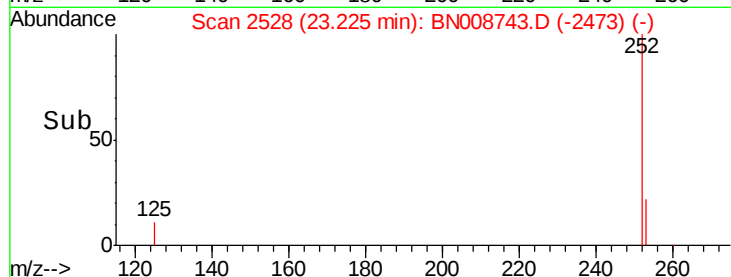
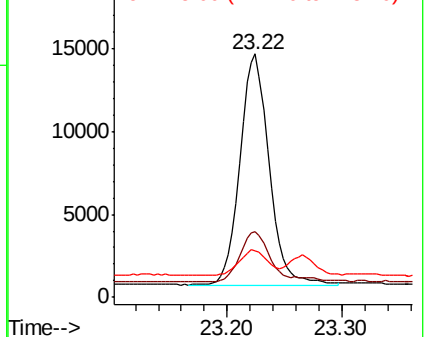
252 100

253 26.9 21.9 32.9

125 19.3 16.3 24.5



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: 0.372 ng

RT: 25.46 min Scan# 3181

Delta R.T. -0.01 min

Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

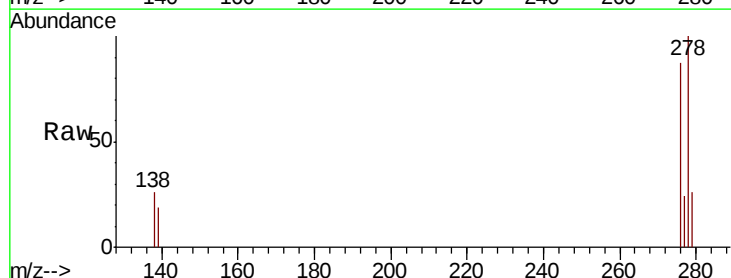
Tgt Ion:278 Resp: 24792

Ion Ratio Lower Upper

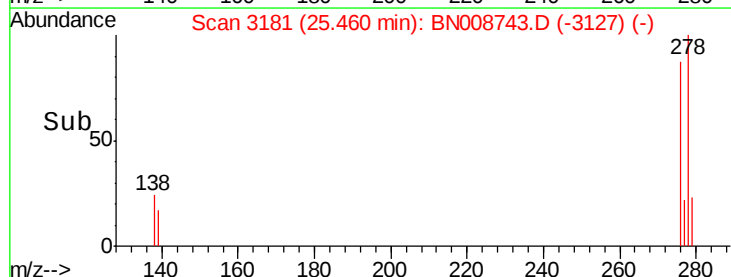
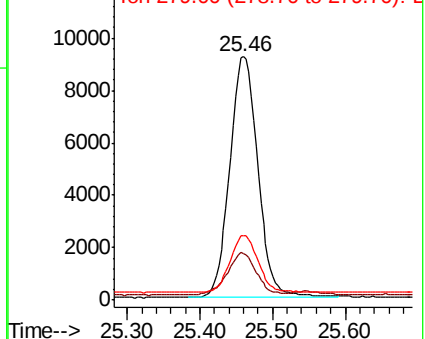
278 100

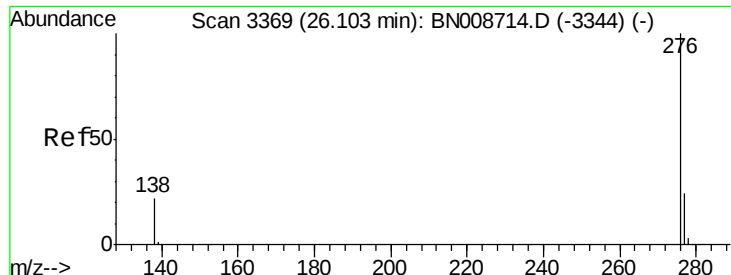
139 19.0 15.4 23.2

279 26.3 21.3 31.9



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.388 ng

RT: 26.09 min Scan# 3365

Delta R.T. -0.01 min

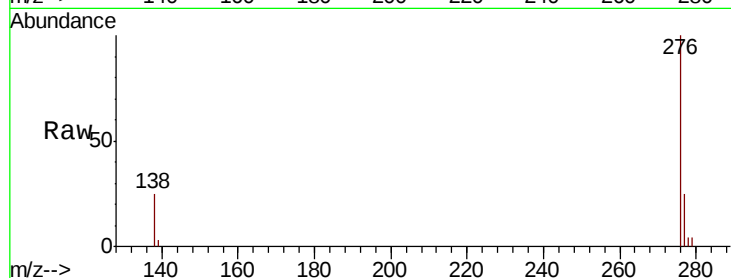
Lab File: BN008743.D

Acq: 25 Nov 2019 18:52

Instrument :

BNA\_N

ClientSampleId :



Tot Ion: 276 Resp: 25831

Ion Ratio Lower Upper

276 100

277 24.9 20.4 30.6

138 24.5 19.2 28.8

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

