

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100519\  
 Data File : BN008045.D  
 Acq On : 06 Oct 2019 05:00  
 Operator : JU  
 Sample : K5078-13RE  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-024-SW128-092519

Quant Time: Oct 07 00:17:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 03 18:39:49 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 4039     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.44 | 136  | 16298    | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.30 | 164  | 10352    | 0.40 | ng    | -0.03    |
| 19) Phenanthrene-d10      | 17.06 | 188  | 21549    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.25 | 240  | 22752    | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.46 | 264  | 25324    | 0.40 | ng    | -0.03    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.30  | 112 | 2544  | 0.18 | ng | -0.02 |
| 5) Phenol-d6                | 6.87  | 99  | 3267  | 0.19 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.82  | 82  | 2930  | 0.21 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 6171  | 0.22 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.80 | 330 | 1158  | 0.21 | ng | -0.02 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 8251  | 0.19 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.08 | 212 | 15757 | 0.22 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.69 | 244 | 12759 | 0.23 | ng | -0.02 |

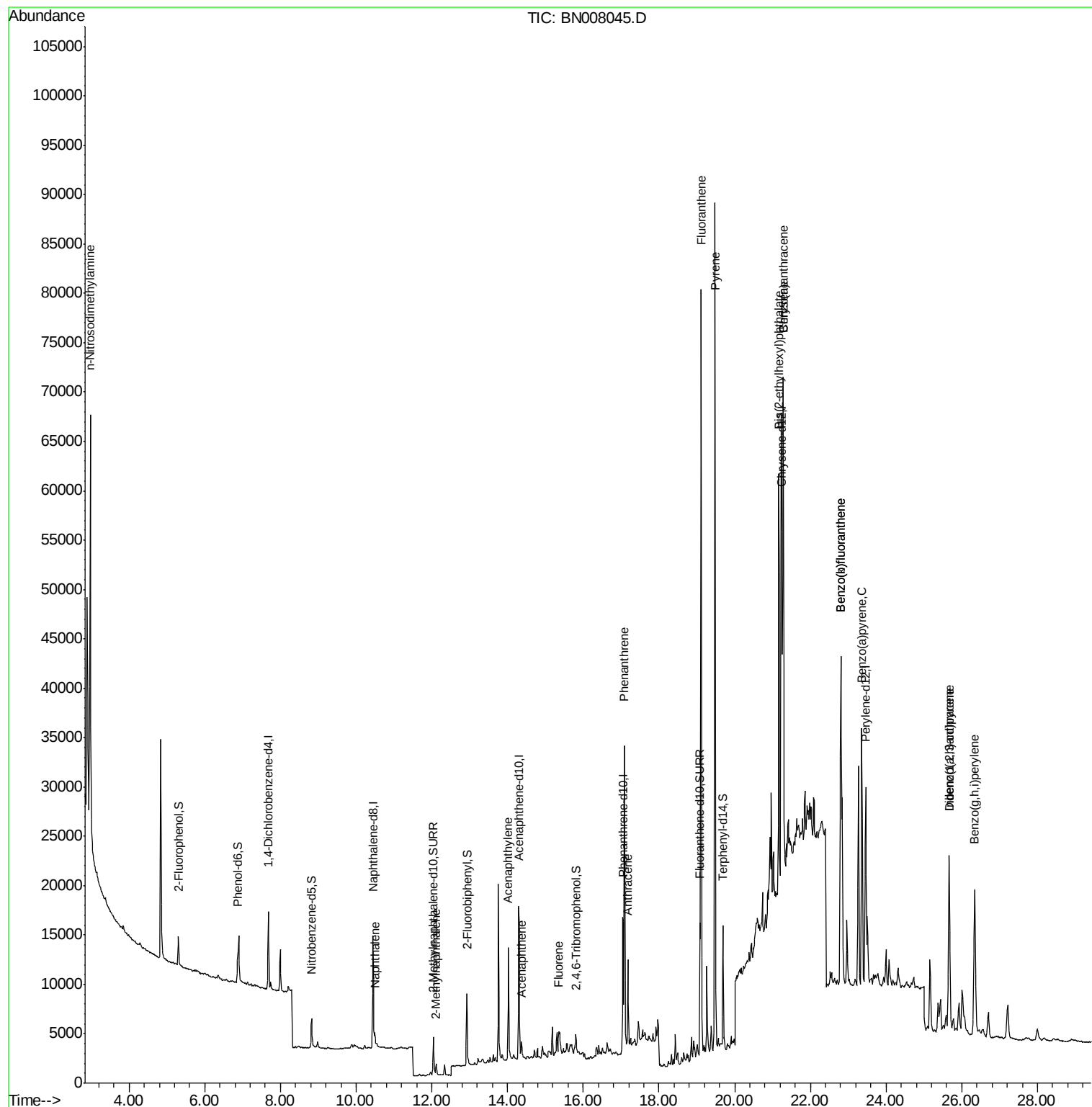
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 3) n-Nitrosodimethylamine      | 2.97  | 42  | 5329  | 2.584  | ng | # 84 |
| 9) Naphthalene                 | 10.49 | 128 | 1659  | 0.036  | ng | # 77 |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 858   | 0.028  | ng | # 86 |
| 16) Acenaphthylene             | 14.02 | 152 | 15642 | 0.285  | ng | 99   |
| 17) Acenaphthene               | 14.36 | 154 | 971   | 0.027  | ng | # 92 |
| 18) Fluorene                   | 15.36 | 166 | 2554  | 0.056  | ng | # 12 |
| 23) Phenanthrene               | 17.09 | 178 | 35020 | 0.522  | ng | 99   |
| 24) Anthracene                 | 17.18 | 178 | 9206  | 0.152  | ng | 99   |
| 26) Fluoranthene               | 19.11 | 202 | 71085 | 0.852  | ng | 99   |
| 28) Pvrene                     | 19.48 | 202 | 81325 | 1.048  | ng | 97   |
| 30) Benzo(a)anthracene         | 21.28 | 228 | 46190 | 0.551  | ng | 93   |
| 31) Chrysene                   | 21.28 | 228 | 45842 | 0.561  | ng | 96   |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 35207 | 0.817  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.67 | 276 | 28953 | 0.283  | ng | # 95 |
| 35) Benzo(b)fluoranthene       | 22.80 | 252 | 55564 | 0.632  | ng | # 80 |
| 36) Benzo(k)fluoranthene       | 22.80 | 252 | 55564 | 0.639  | ng | # 80 |
| 37) Benzo(a)pvrene             | 23.36 | 252 | 37284 | 0.451  | ng | # 83 |
| 38) Dibenzo(a,h)anthracene     | 25.67 | 278 | 7096  | 0.084  | ng | # 35 |
| 39) Benzo(g,h,i)perylene       | 26.34 | 276 | 31597 | 0.378  | ng | # 90 |

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

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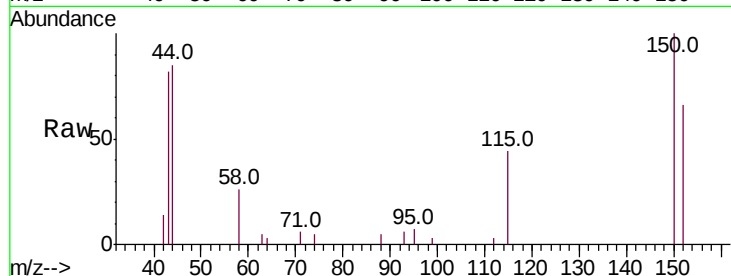


#1

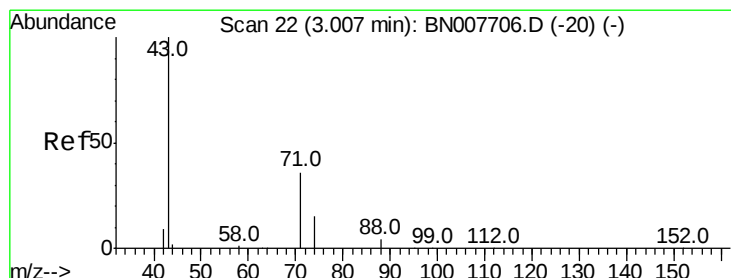
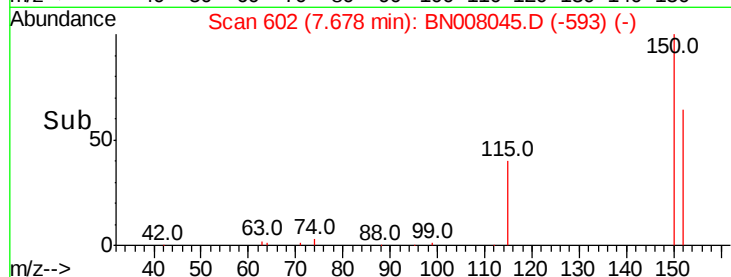
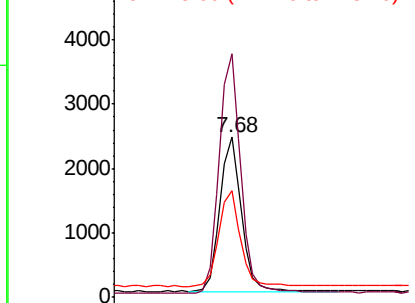
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.68 min Scan# 602  
Delta R.T. -0.02 min  
Lab File: BN008045.D  
Acq: 06 Oct 2019 05:00

Instrument :  
BNA\_N  
ClientSampleId :  
PST-024-SW128-092519

Tot Ion:152 Resp: 4039  
Ion Ratio Lower Upper  
152 100  
150 151.9 125.6 188.4  
115 66.7 53.3 79.9



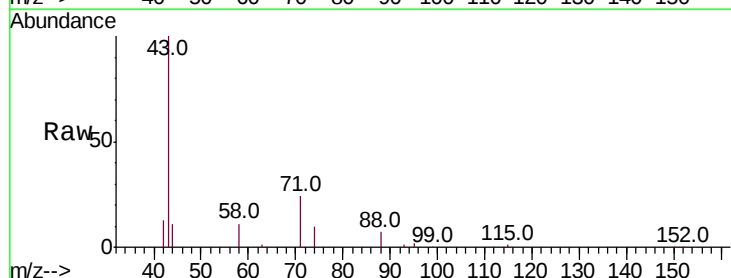
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



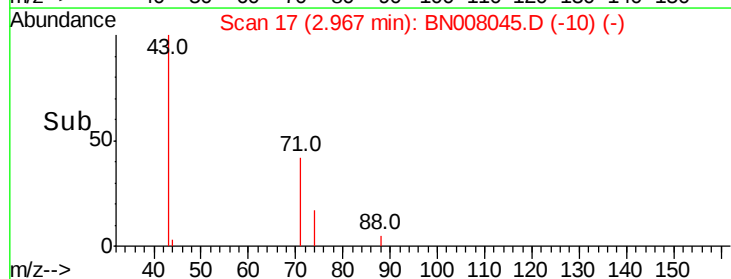
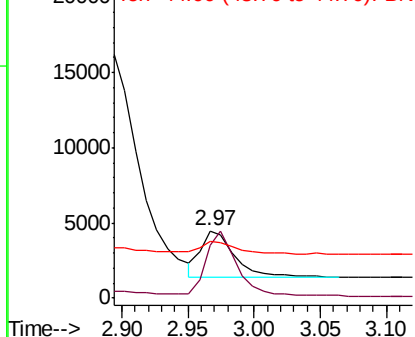
#3

n-Nitrosodimethylamine  
Concen: 2.584 ng  
RT: 2.97 min Scan# 17  
Delta R.T. -0.04 min  
Lab File: BN008045.D  
Acq: 06 Oct 2019 05:00

Tgt Ion: 42 Resp: 5329  
Ion Ratio Lower Upper  
42 100  
74 128.1 87.9 131.9  
44 28.5 29.4 44.0#



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





#4

2-Fluorophenol

Concen: 0.183 ng

RT: 5.30 min Scan# 307

Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

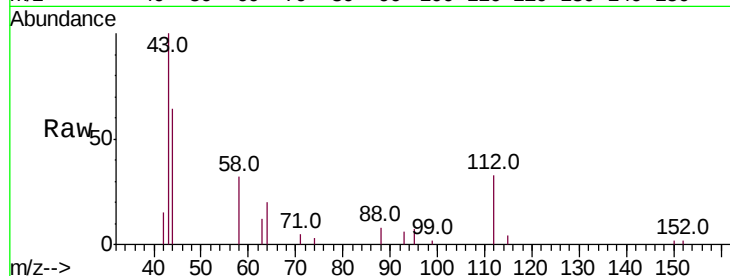
Tot Ion:112 Resp: 2544

Ion Ratio Lower Upper

112 100

64 58.4 46.6 70.0

63 28.2 23.1 34.7

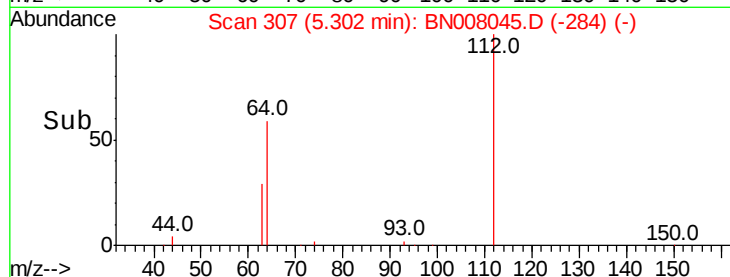


Abundance Ion 112.00 (111.70 to 112.70): E

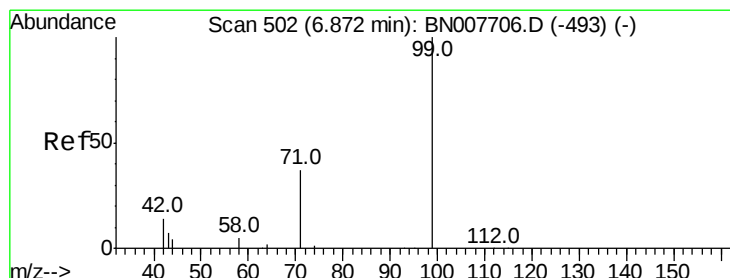
Ion 64.00 (63.70 to 64.70): BN

Ion 63.00 (62.70 to 63.70): BN

Time-->



Time-->



#5

Phenol-d6

Concen: 0.185 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

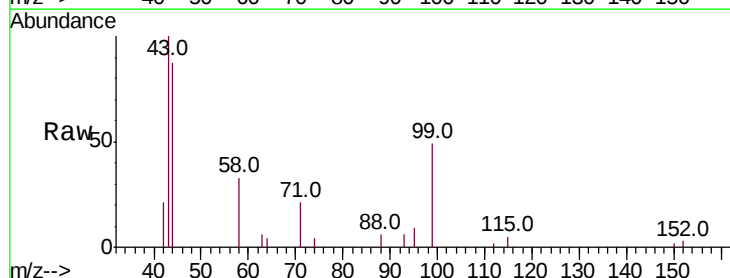
Tgt Ion: 99 Resp: 3267

Ion Ratio Lower Upper

99 100

42 20.9 12.8 19.2#

71 36.3 27.6 41.4

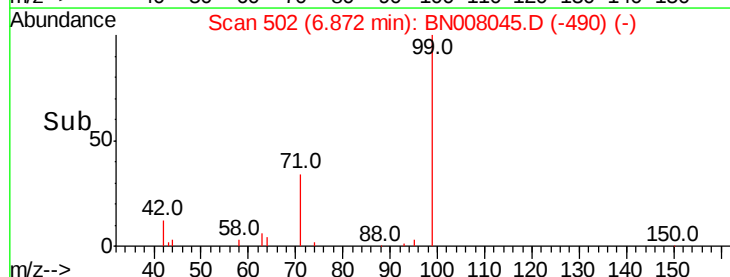


Abundance Ion 99.00 (98.70 to 99.70): BN

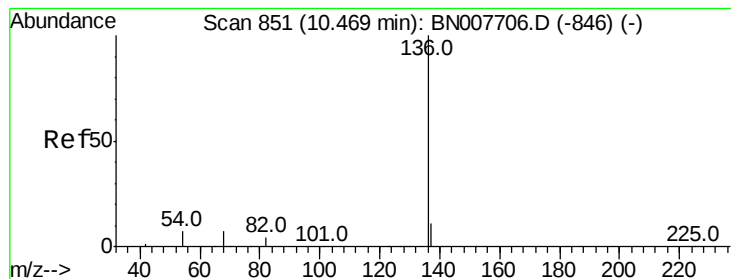
Ion 42.00 (41.70 to 42.70): BN

Ion 71.00 (70.70 to 71.70): BN

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 849

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

Tot Ion:136 Resp: 16298

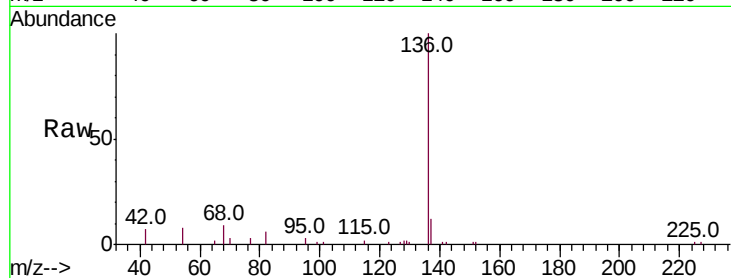
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 7.6 5.8 8.8

68 8.7 6.5 9.7

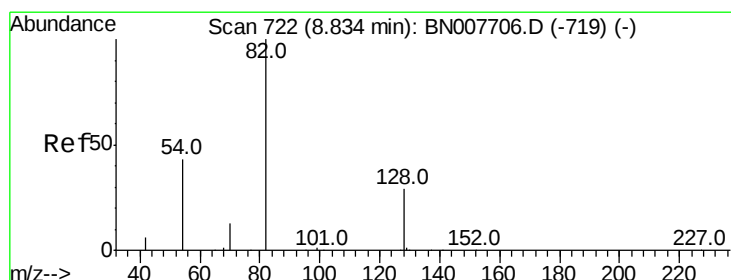
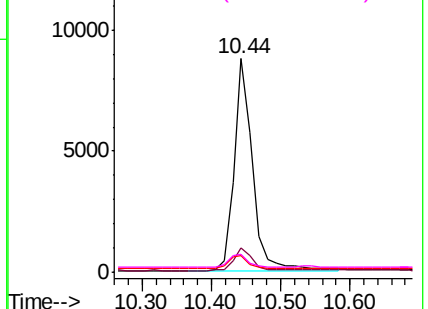
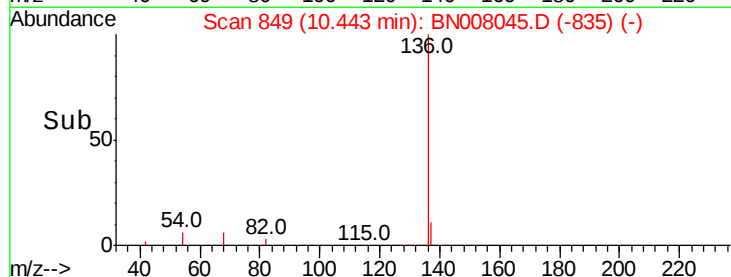


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.206 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

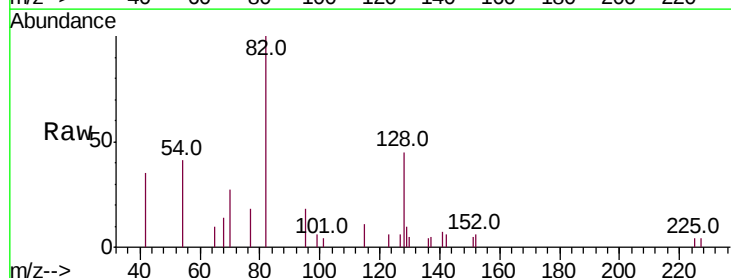
Tgt Ion: 82 Resp: 2930

Ion Ratio Lower Upper

82 100

128 44.8 24.5 36.7#

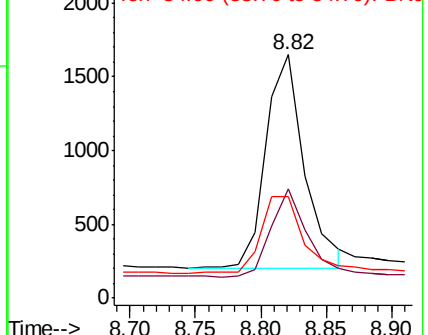
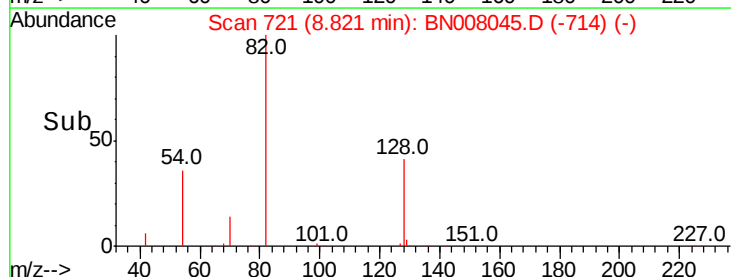
54 41.4 35.2 52.8

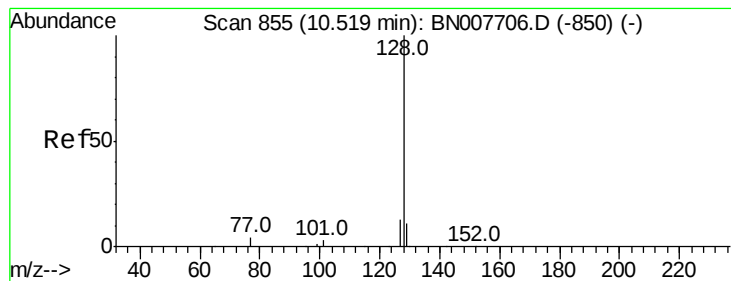


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.036 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

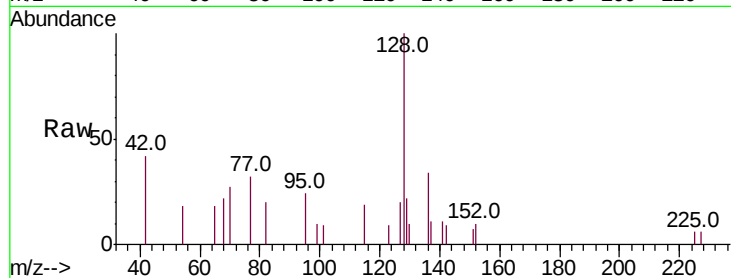
Tot Ion:128 Resp: 1659

Ion Ratio Lower Upper

128 100

129 22.5 9.1 13.7#

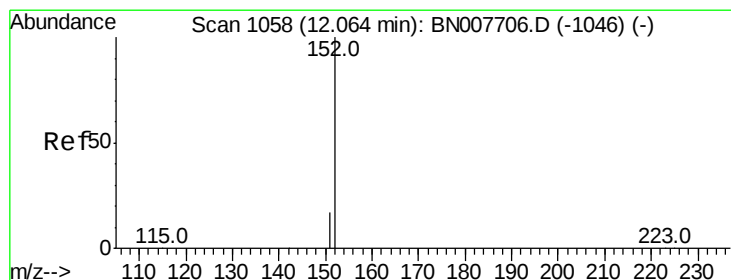
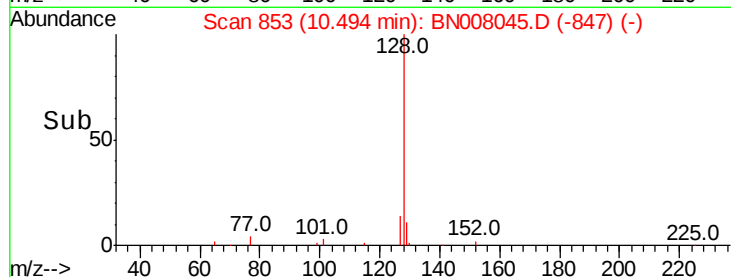
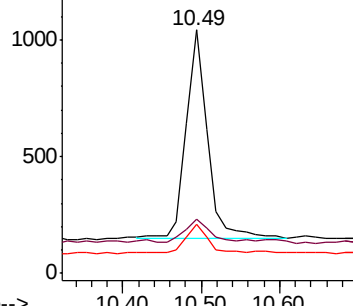
127 20.2 10.6 15.8#



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



#11

2-Methylnaphthalene-d10

Concen: 0.225 ng

RT: 12.04 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BN008045.D

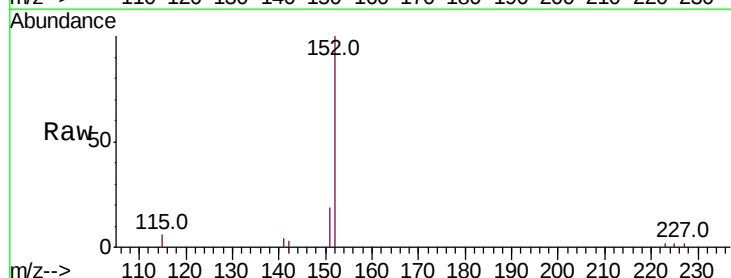
Acq: 06 Oct 2019 05:00

Tgt Ion:152 Resp: 6171

Ion Ratio Lower Upper

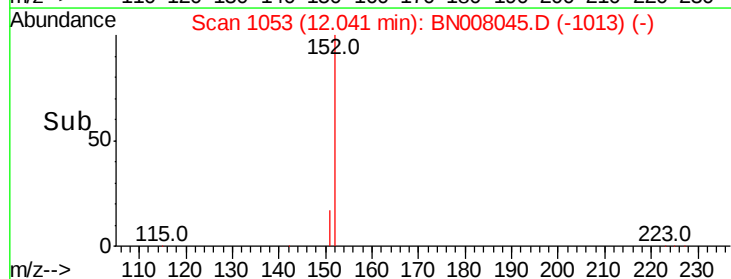
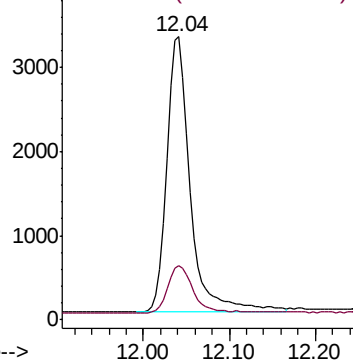
152 100

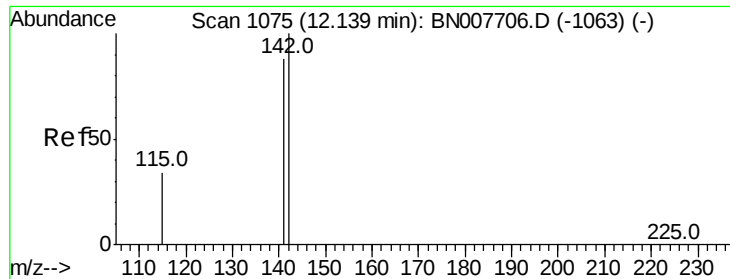
151 18.5 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

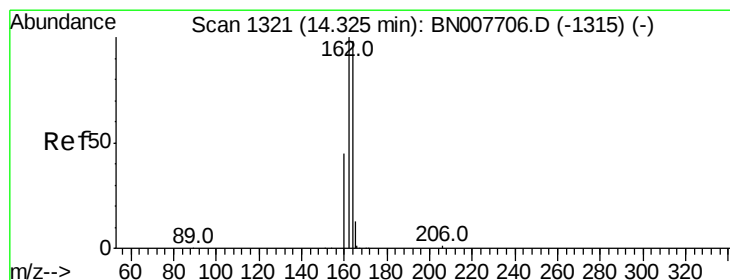
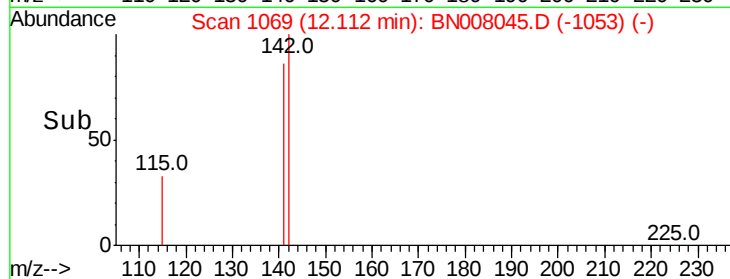
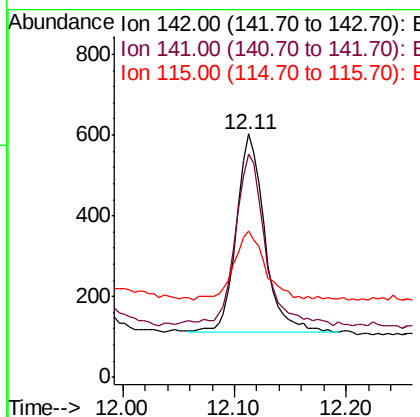
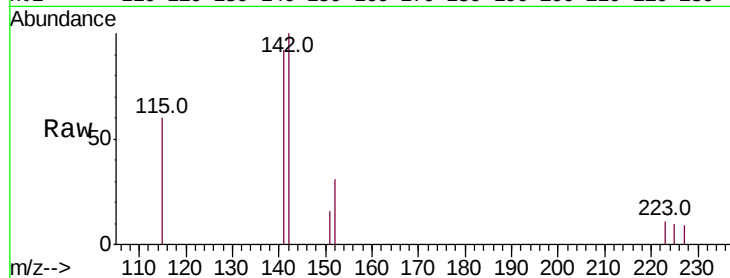




#12  
2-Methylnaphthalene  
Concen: 0.028 ng  
RT: 12.11 min Scan# 1069  
Delta R.T. -0.03 min  
Lab File: BN008045.D  
Acq: 06 Oct 2019 05:00

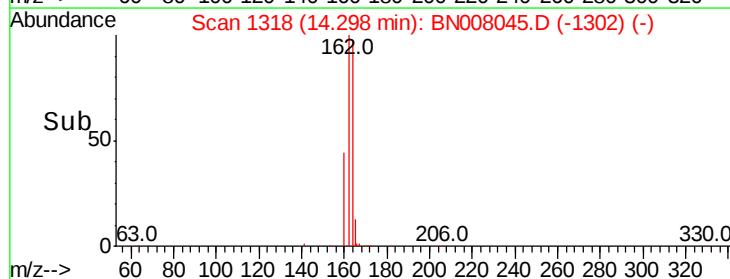
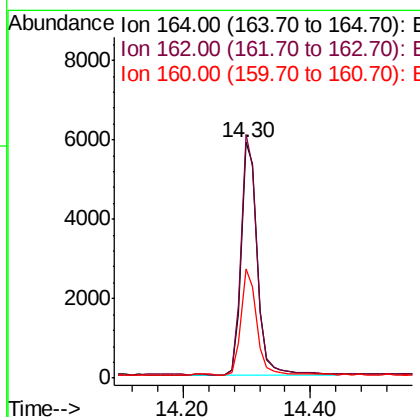
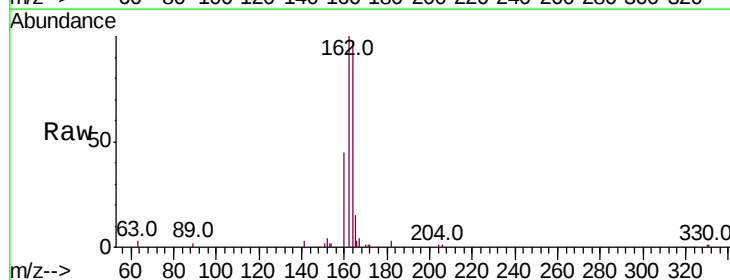
Instrument :  
BNA\_N  
ClientSampleId :  
PST-024-SW128-092519

Tot Ion:142 Resp: 858  
Ion Ratio Lower Upper  
142 100  
141 91.5 70.6 106.0  
115 59.9 28.3 42.5#



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.30 min Scan# 1318  
Delta R.T. -0.03 min  
Lab File: BN008045.D  
Acq: 06 Oct 2019 05:00

Tgt Ion:164 Resp: 10352  
Ion Ratio Lower Upper  
164 100  
162 103.3 81.7 122.5  
160 46.6 37.0 55.4

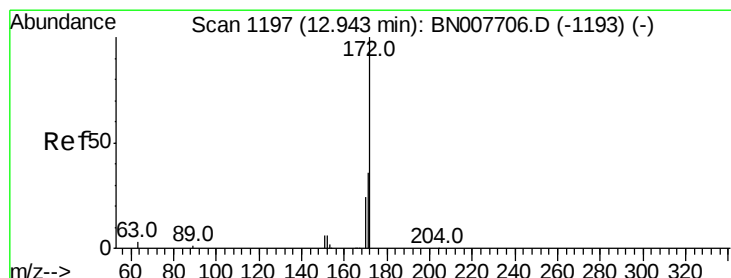
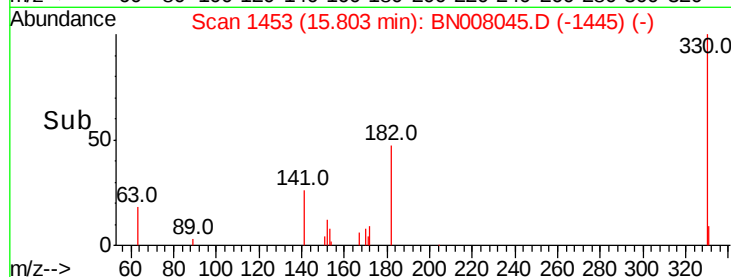
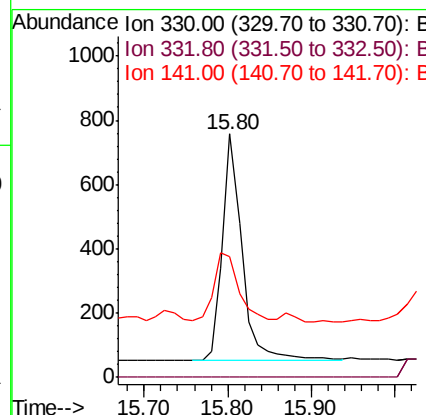
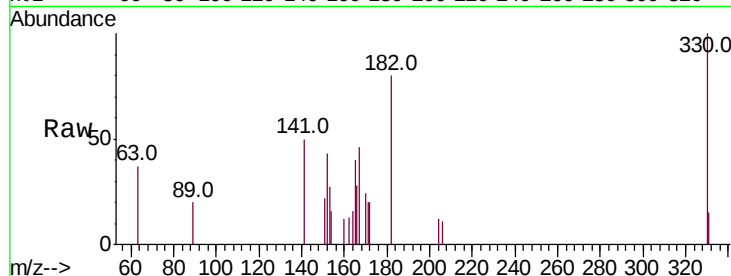




#14  
 2,4,6-Tribromophenol  
 Concen: 0.205 ng  
 RT: 15.80 min Scan# 1453  
 Delta R.T. -0.02 min  
 Lab File: BN008045.D  
 Acq: 06 Oct 2019 05:00

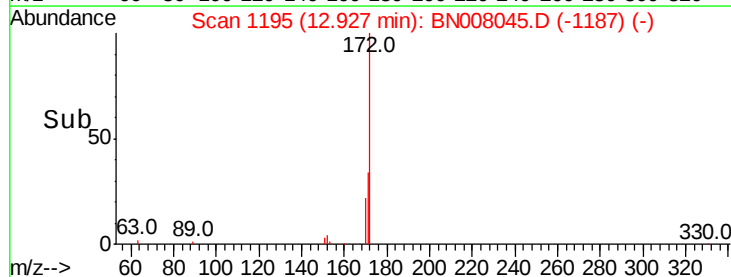
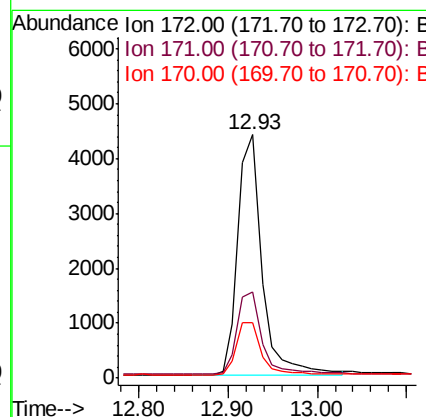
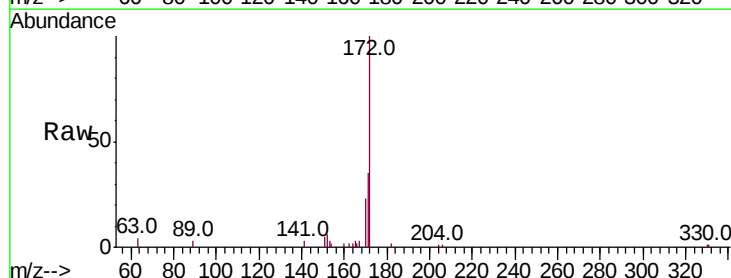
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-024-SW128-092519

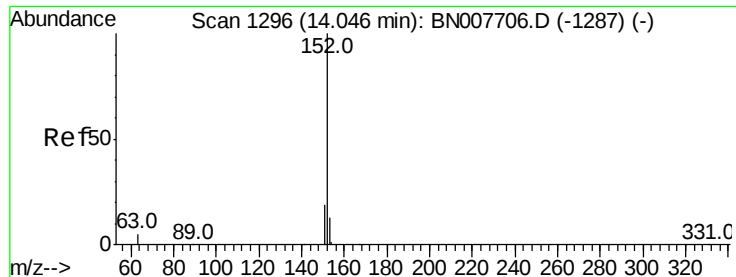
Tot Ion:330 Resp: 1158  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 37.7 28.7 43.1



#15  
 2-Fluorobiphenyl  
 Concen: 0.194 ng  
 RT: 12.93 min Scan# 1195  
 Delta R.T. -0.02 min  
 Lab File: BN008045.D  
 Acq: 06 Oct 2019 05:00

Tgt Ion:172 Resp: 8251  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 28.8 43.2  
 170 22.9 19.5 29.3





#16

Acenaphthylene

Concen: 0.285 ng

RT: 14.02 min Scan# 1293

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

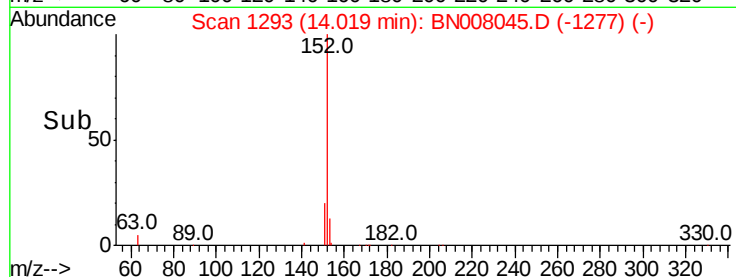
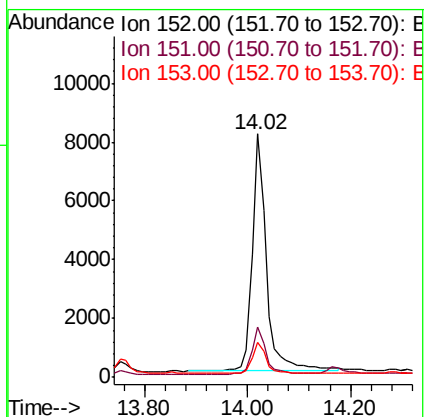
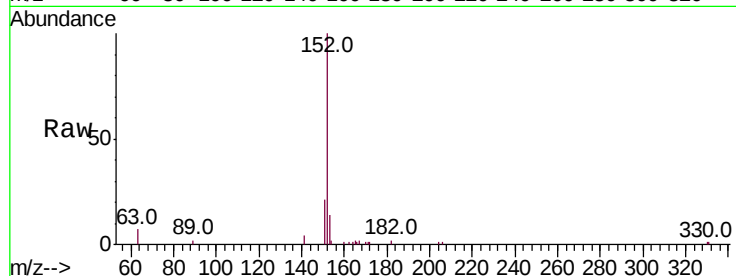
Tot Ion:152 Resp: 15642

Ion Ratio Lower Upper

152 100

151 19.9 15.5 23.3

153 12.5 10.4 15.6



#17

Acenaphthene

Concen: 0.027 ng

RT: 14.36 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

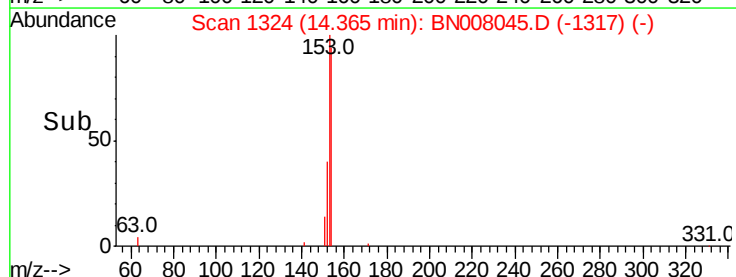
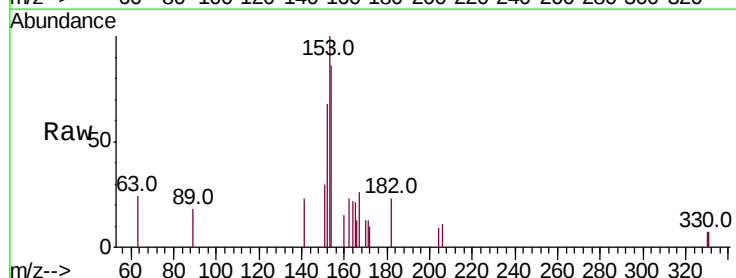
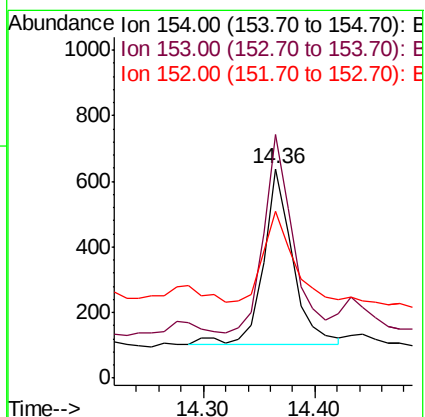
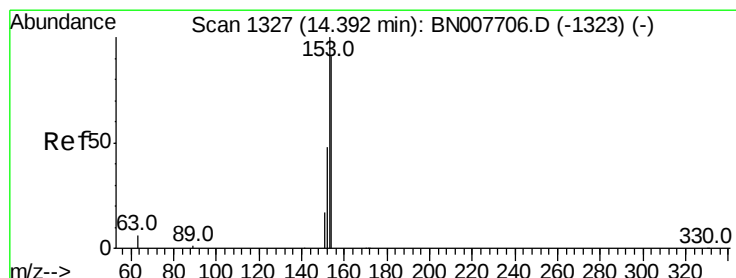
Tgt Ion:154 Resp: 971

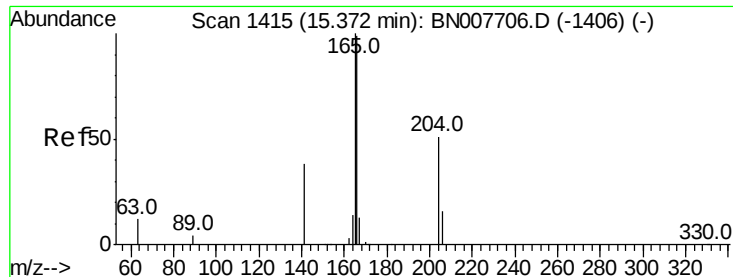
Ion Ratio Lower Upper

154 100

153 111.6 87.0 130.4

152 67.6 42.7 64.1#

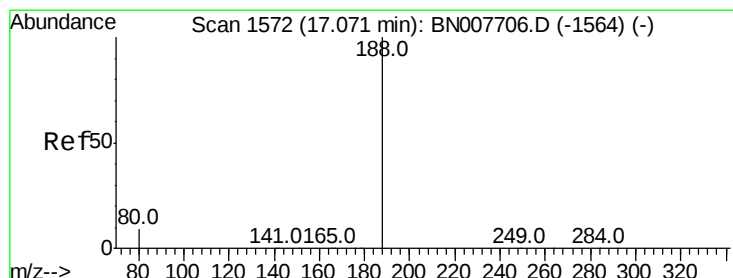
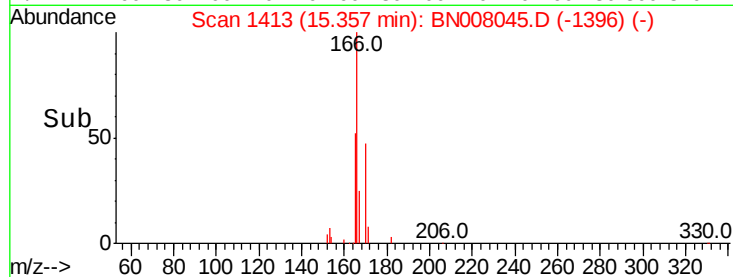
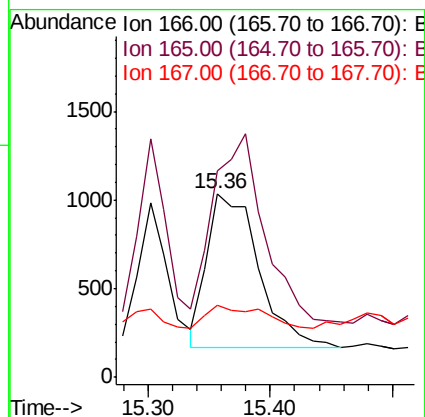
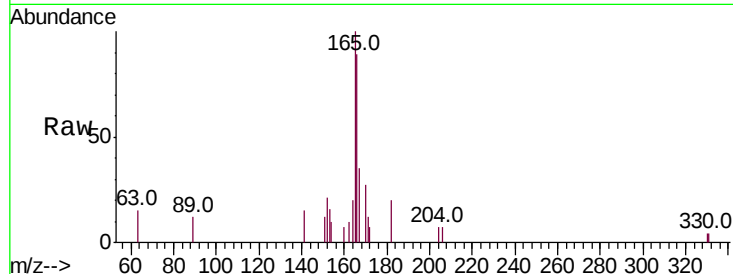




#18  
Fluorene  
Concen: 0.056 ng  
RT: 15.36 min Scan# 1413  
Delta R.T. -0.02 min  
Lab File: BN008045.D  
Acq: 06 Oct 2019 05:00

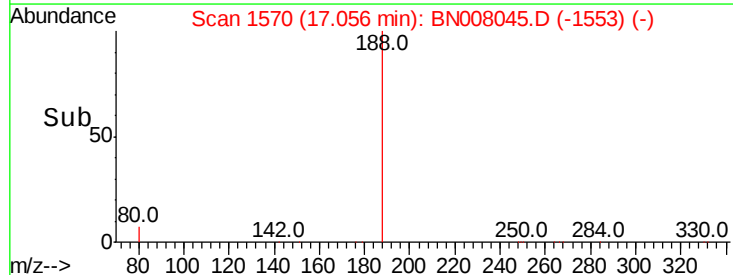
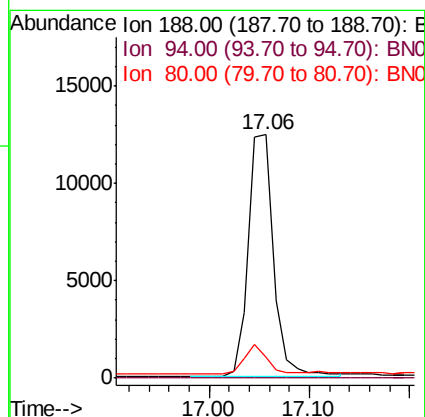
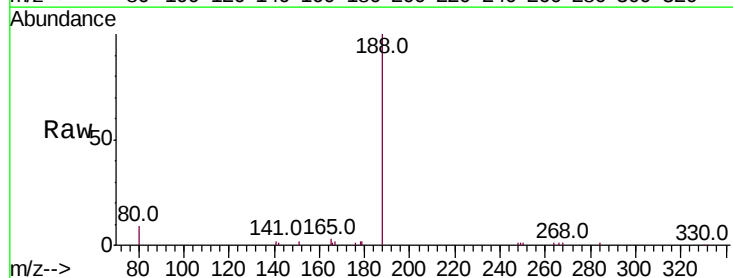
Instrument :  
BNA\_N  
ClientSampleId :  
PST-024-SW128-092519

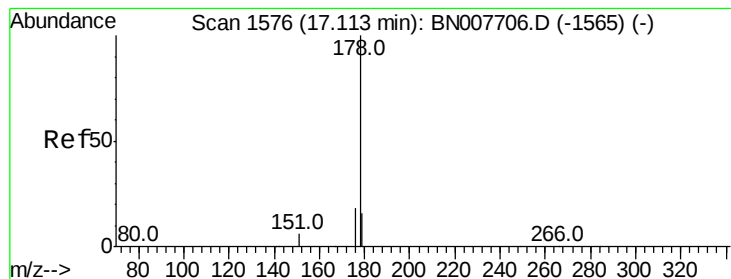
Tot Ion:166 Resp: 2554  
Ion Ratio Lower Upper  
166 100  
165 0.0 78.0 117.0#  
167 16.2 10.9 16.3



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.06 min Scan# 1570  
Delta R.T. -0.01 min  
Lab File: BN008045.D  
Acq: 06 Oct 2019 05:00

Tgt Ion:188 Resp: 21549  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.6 7.4 11.2





#23

Phenanthrene

Concen: 0.522 ng

RT: 17.09 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

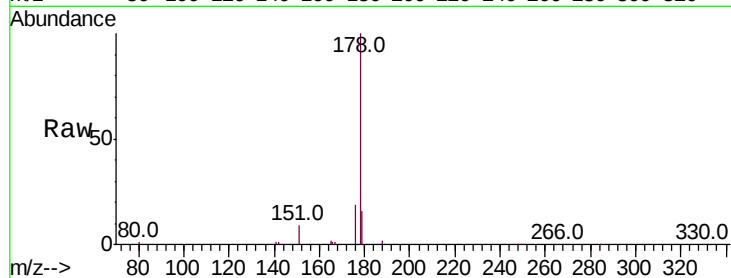
Tot Ion:178 Resp: 35020

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

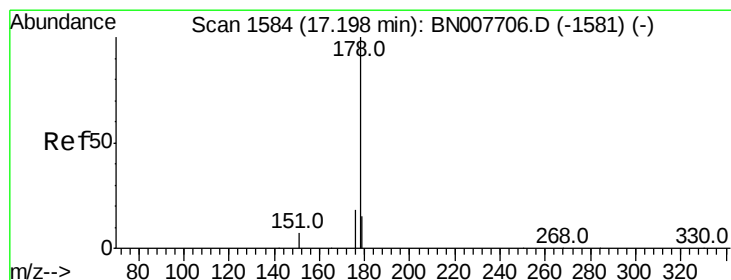
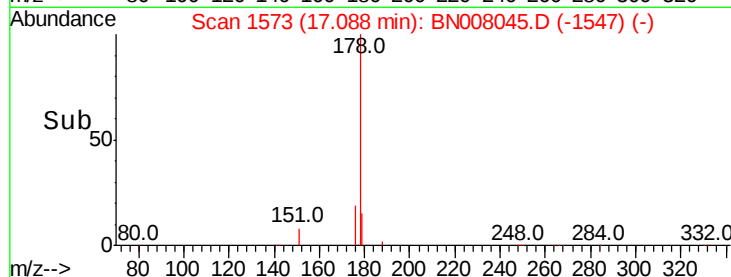
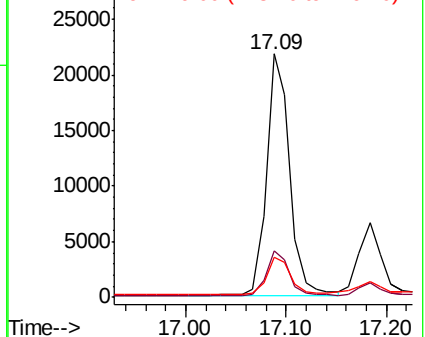
179 16.5 12.5 18.7



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: 0.152 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

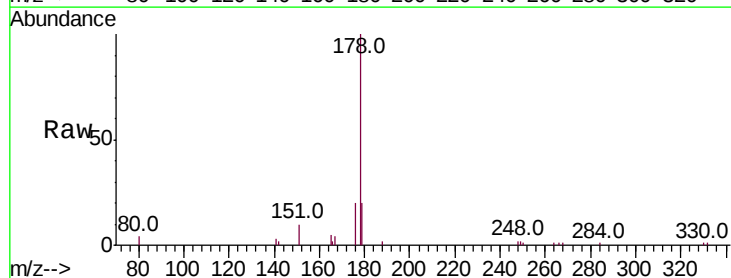
Tgt Ion:178 Resp: 9206

Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

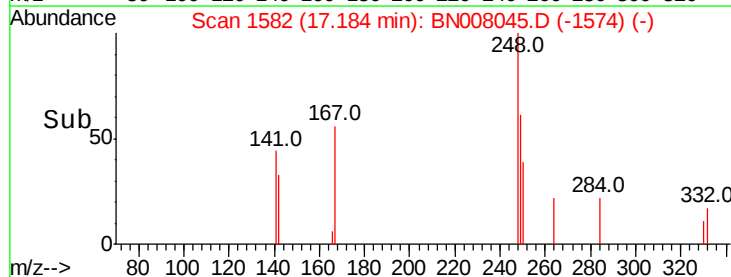
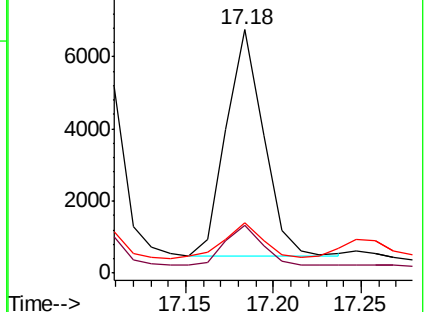
179 16.0 12.2 18.4

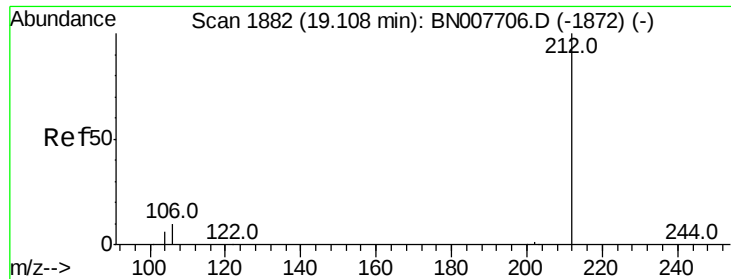


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.217 ng

RT: 19.08 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

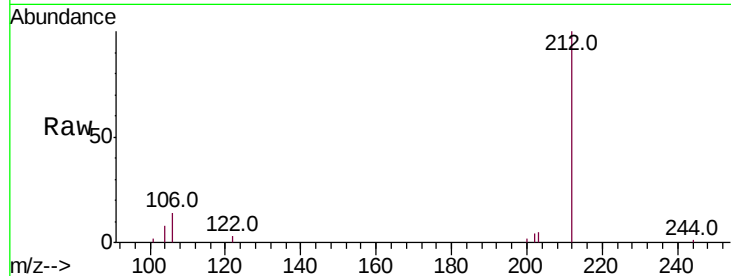
Tot Ion:212 Resp: 15757

Ion Ratio Lower Upper

212 100

106 11.7 9.4 14.0

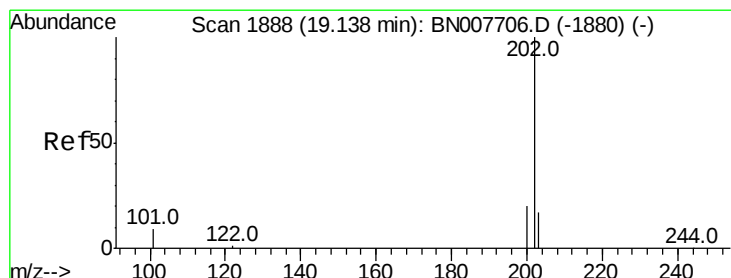
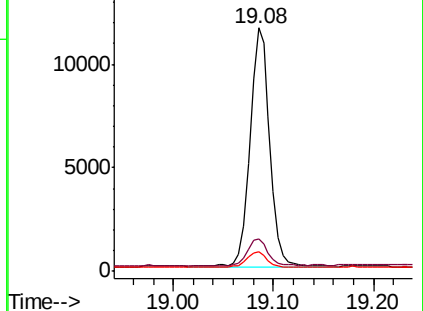
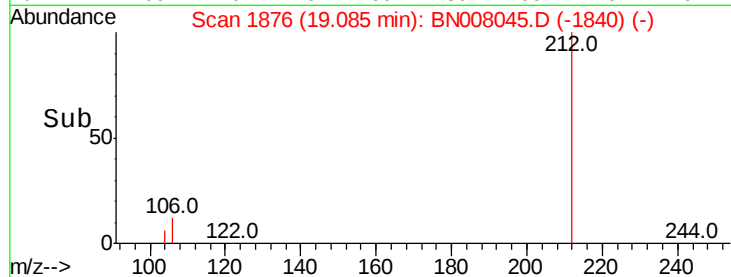
104 6.8 5.3 7.9



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: 0.852 ng

RT: 19.11 min Scan# 1882

Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

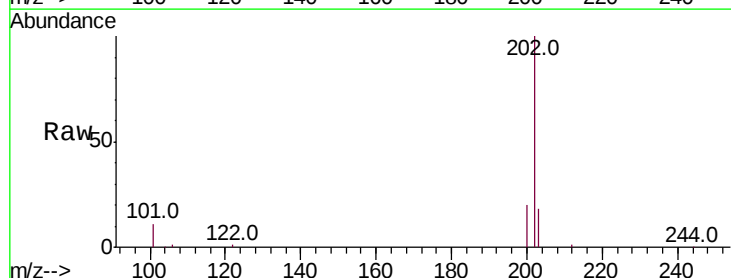
Tgt Ion:202 Resp: 71085

Ion Ratio Lower Upper

202 100

101 10.3 8.4 12.6

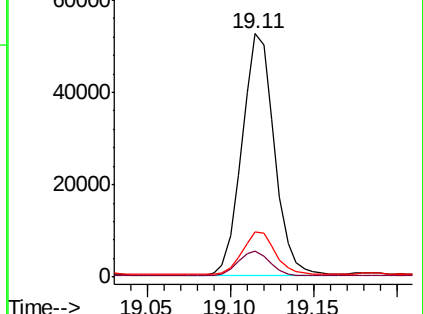
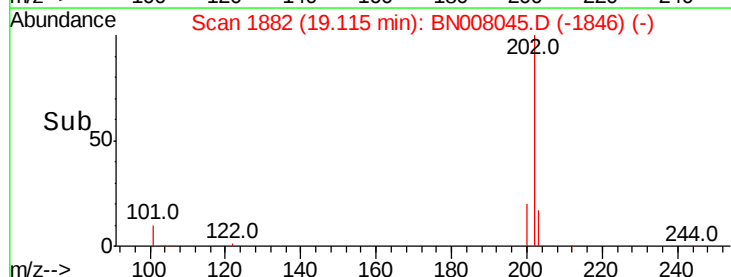
203 17.9 13.8 20.8

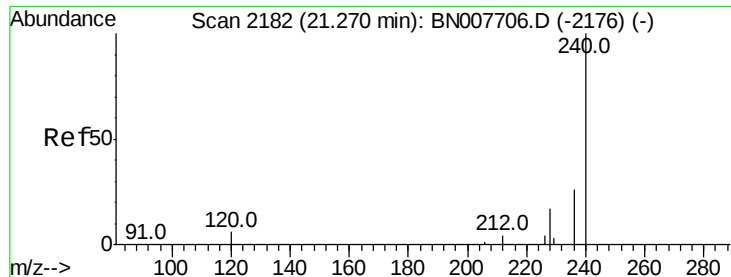


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.25 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

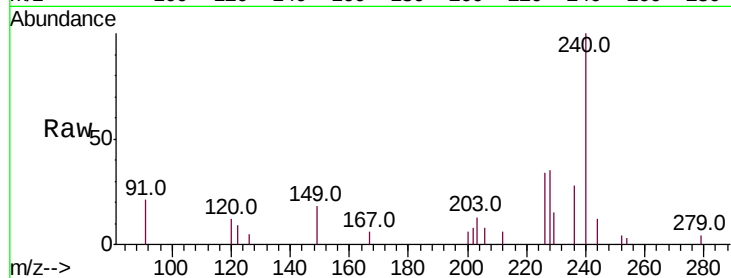
Tot Ion:240 Resp: 22752

Ion Ratio Lower Upper

240 100

120 11.5 5.4 8.2#

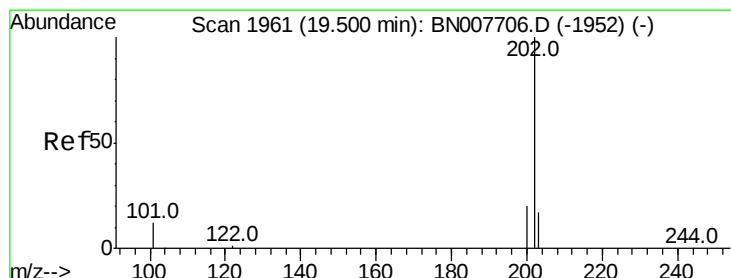
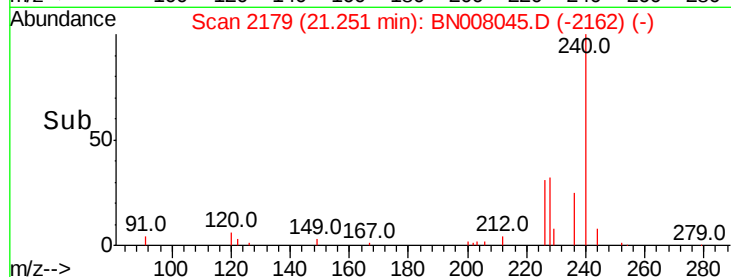
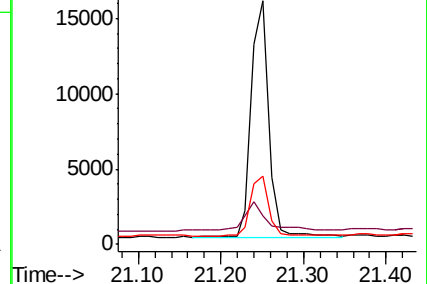
236 28.0 21.0 31.4



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: 1.048 ng

RT: 19.48 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

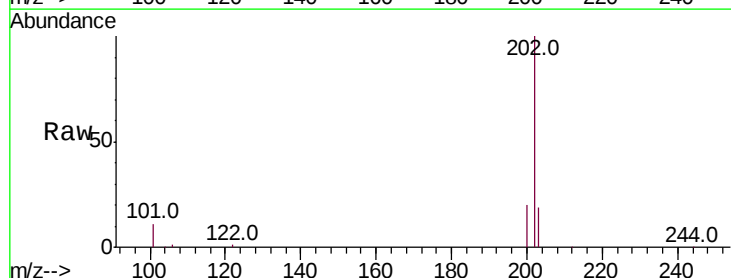
Tgt Ion:202 Resp: 81325

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

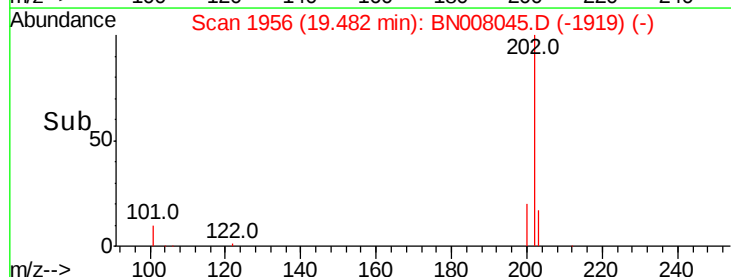
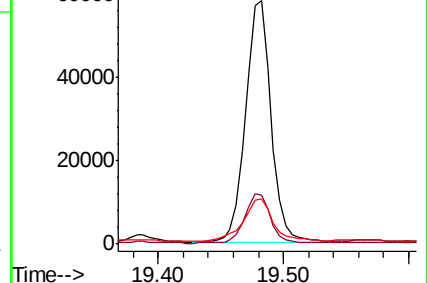
203 20.7 14.1 21.1

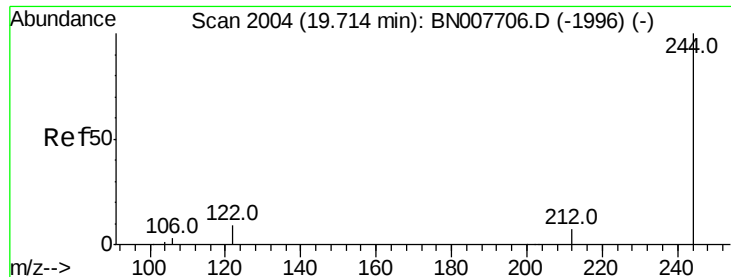


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.228 ng

RT: 19.69 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

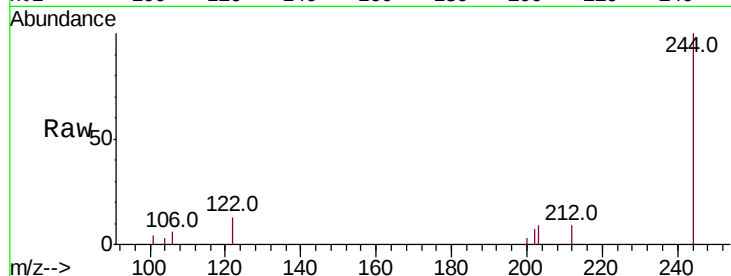
Tot Ion:244 Resp: 12759

Ion Ratio Lower Upper

244 100

212 8.7 5.9 8.9

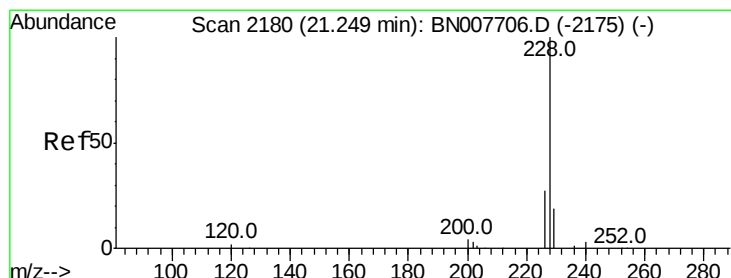
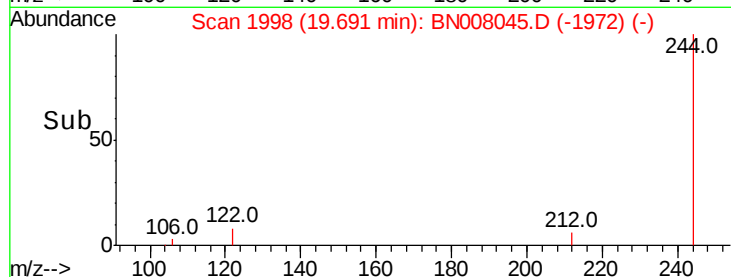
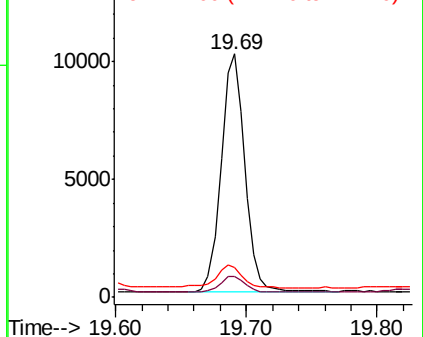
122 12.5 7.4 11.2#



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: 0.551 ng

RT: 21.28 min Scan# 2182

Delta R.T. 0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

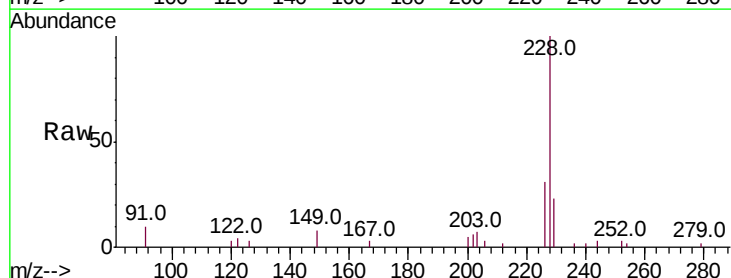
Tgt Ion:228 Resp: 46190

Ion Ratio Lower Upper

228 100

226 30.8 22.1 33.1

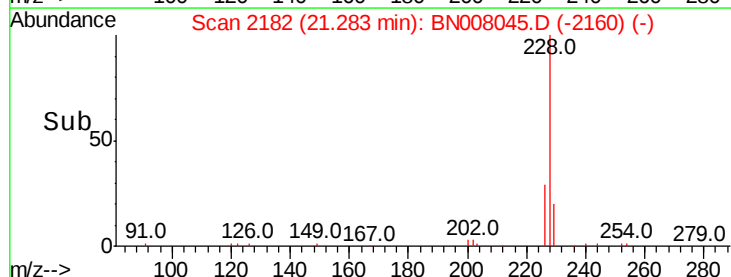
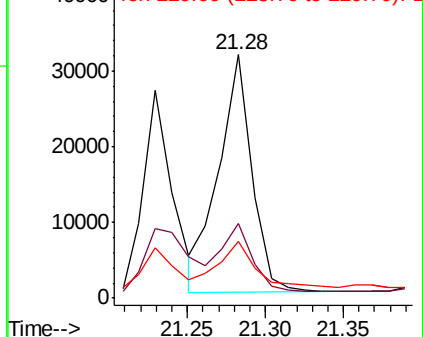
229 23.3 15.8 23.6

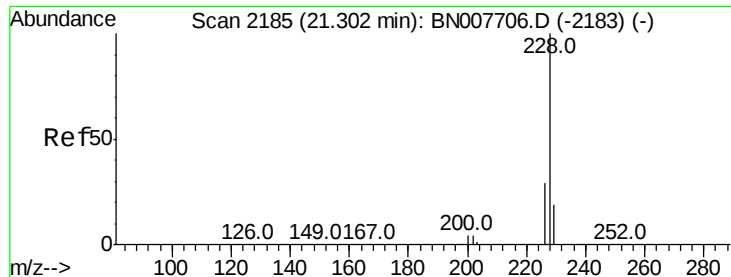


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.561 ng

RT: 21.28 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

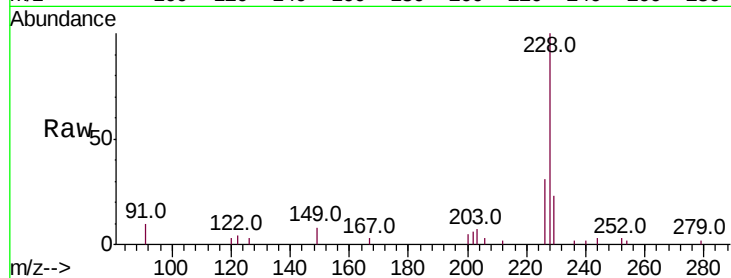
Tot Ion:228 Resp: 45842

Ion Ratio Lower Upper

228 100

226 30.8 23.9 35.9

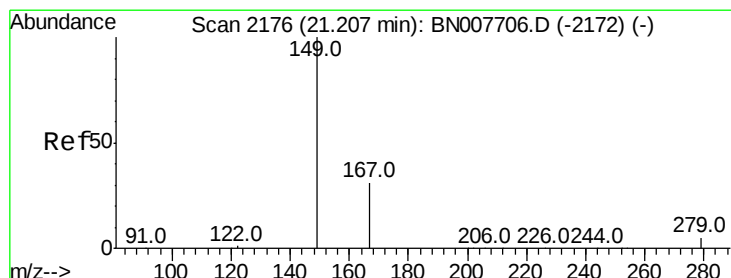
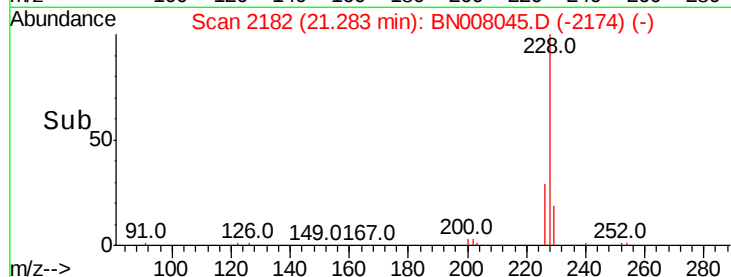
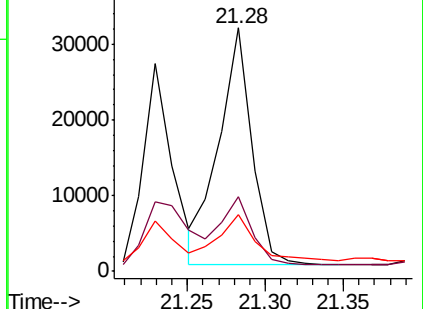
229 23.3 15.8 23.6



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: 0.817 ng

RT: 21.17 min Scan# 2171

Delta R.T. -0.04 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

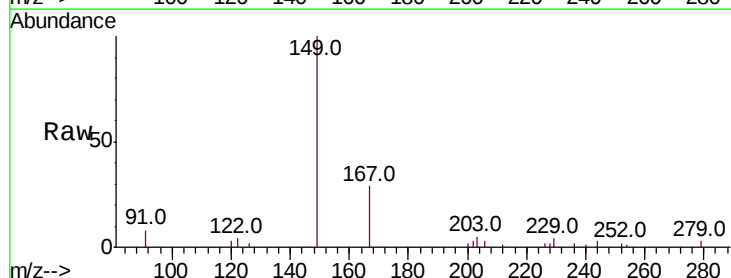
Tgt Ion:149 Resp: 35207

Ion Ratio Lower Upper

149 100

167 29.7 23.7 35.5

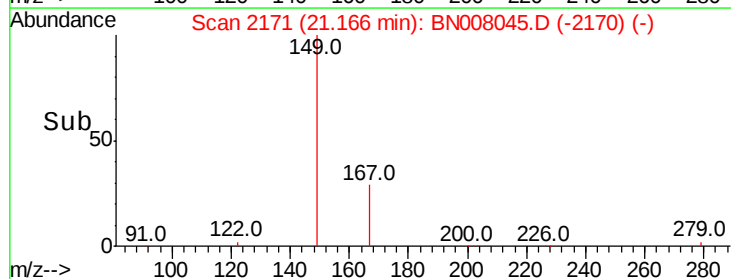
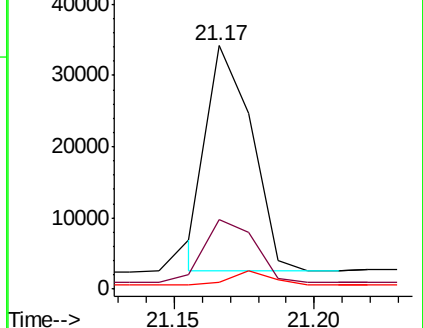
279 5.9 4.2 6.2

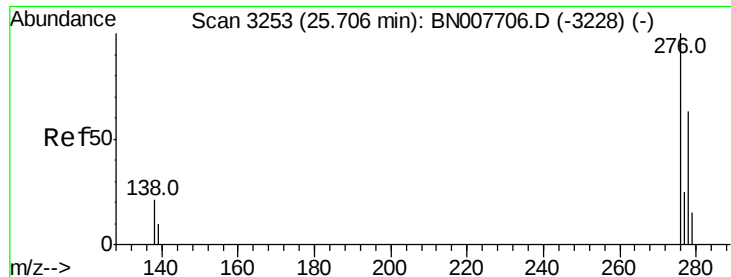


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.283 ng

RT: 25.67 min Scan# 3240

Delta R.T. -0.04 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

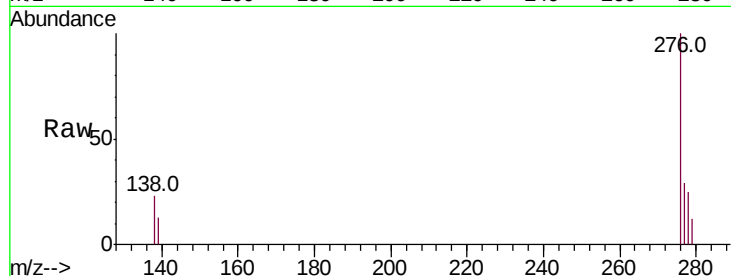
Tot Ion:276 Resp: 28953

Ion Ratio Lower Upper

276 100

138 16.8 17.1 25.7#

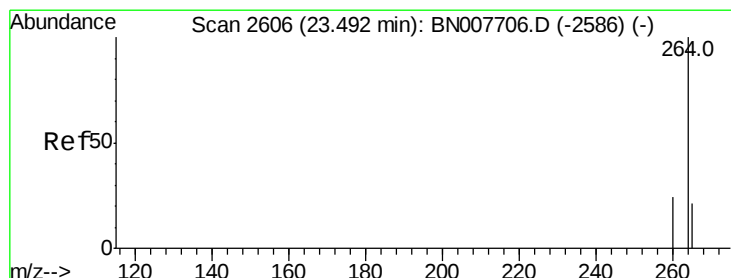
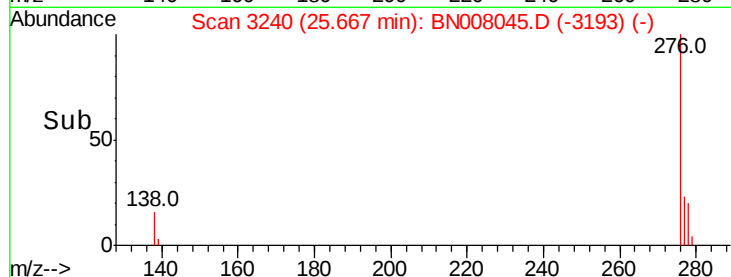
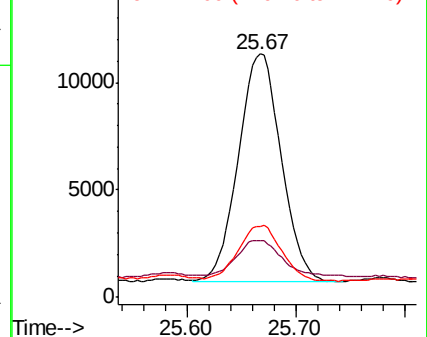
277 24.9 20.0 30.0



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: 23.46 min Scan# 2595

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

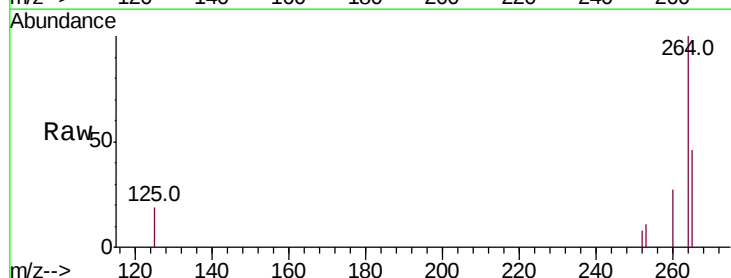
Tgt Ion:264 Resp: 25324

Ion Ratio Lower Upper

264 100

260 26.9 19.3 28.9

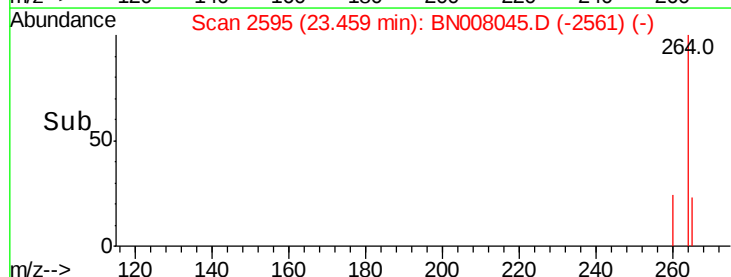
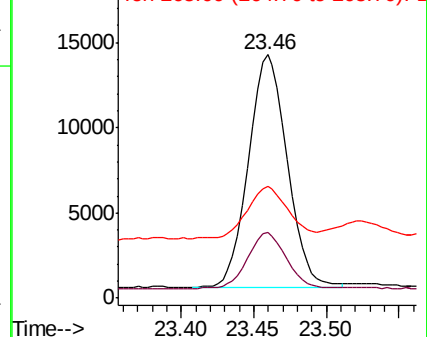
265 45.7 26.9 40.3#

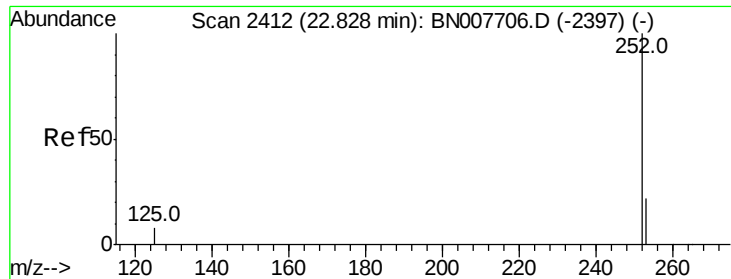


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

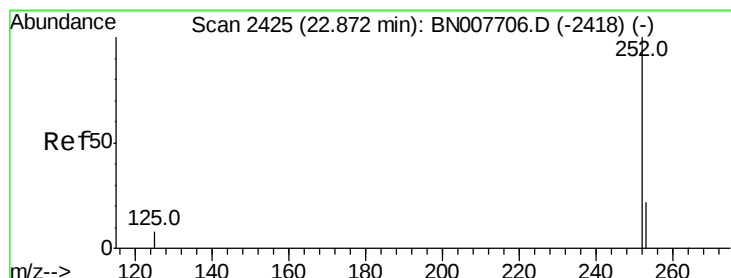
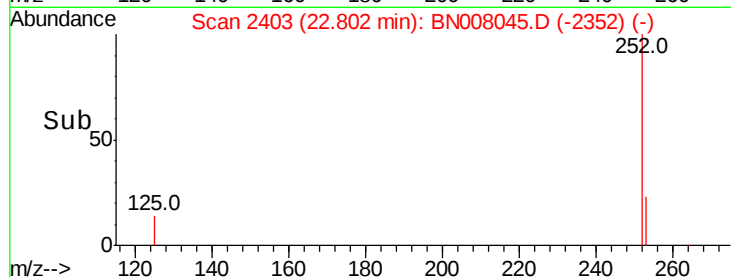
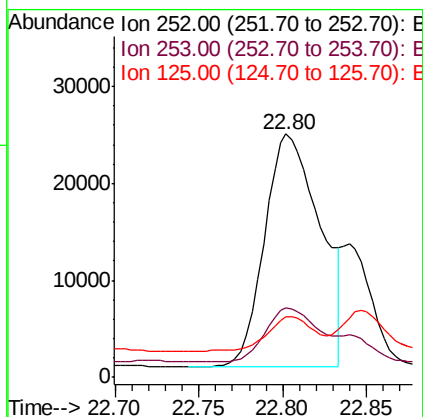
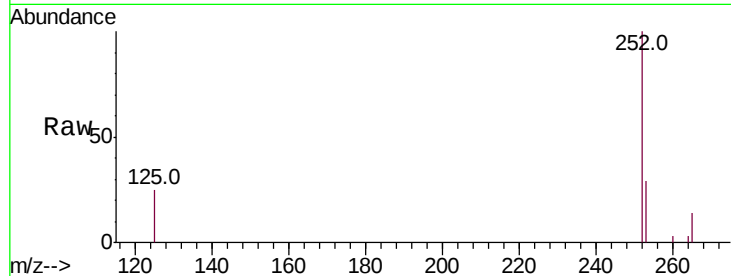




#35  
Benzo(b)fluoranthene  
Concen: 0.632 ng  
RT: 22.80 min Scan# 2403  
Delta R.T. -0.03 min  
Lab File: BN008045.D  
Acq: 06 Oct 2019 05:00

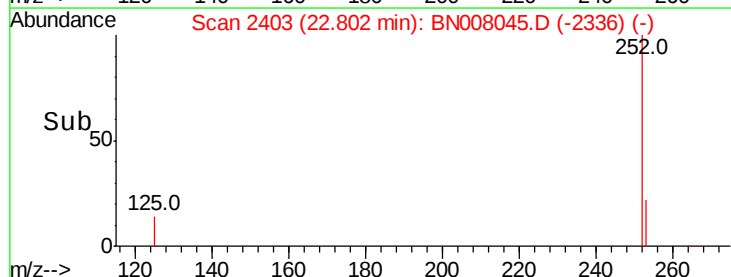
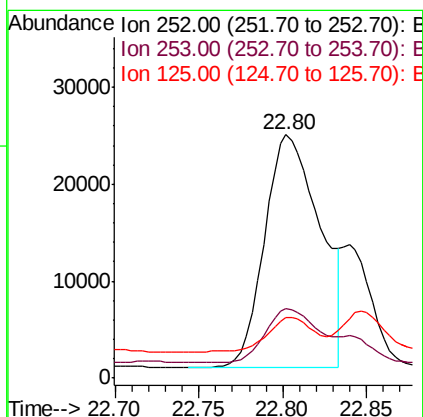
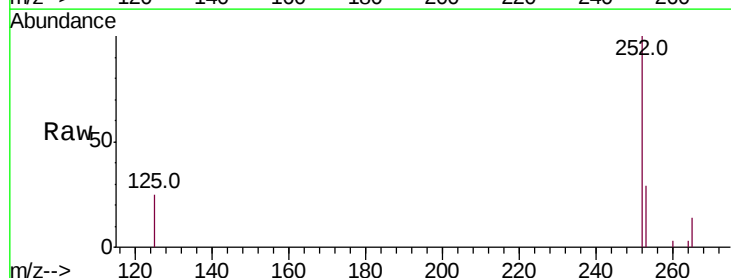
Instrument :  
BNA\_N  
ClientSampleId :  
PST-024-SW128-092519

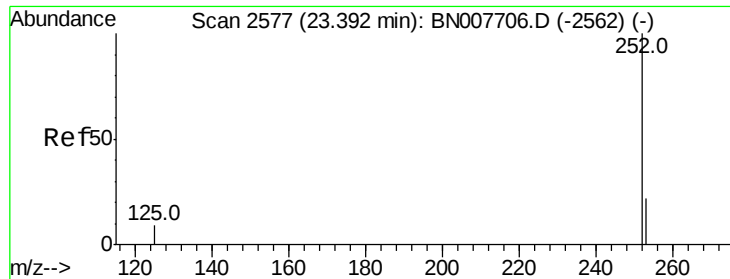
Tot Ion:252 Resp: 55564  
Ion Ratio Lower Upper  
252 100  
253 28.6 18.3 27.5#  
125 24.7 8.2 12.4#



#36  
Benzo(k)fluoranthene  
Concen: 0.639 ng  
RT: 22.80 min Scan# 2403  
Delta R.T. -0.07 min  
Lab File: BN008045.D  
Acq: 06 Oct 2019 05:00

Tgt Ion:252 Resp: 55564  
Ion Ratio Lower Upper  
252 100  
253 28.6 18.5 27.7#  
125 24.7 8.4 12.6#





#37

Benzo(a)pyrene

Concen: 0.451 ng

RT: 23.36 min Scan# 2566

Delta R.T. -0.03 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

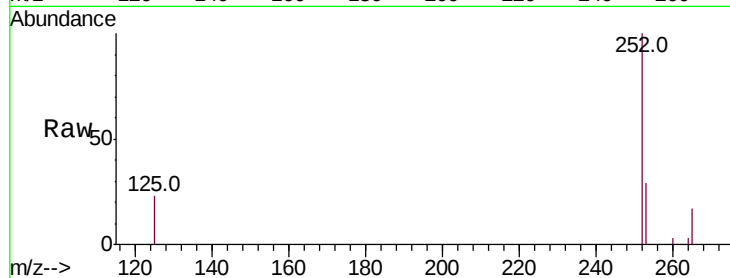
Tot Ion:252 Resp: 37284

Ion Ratio Lower Upper

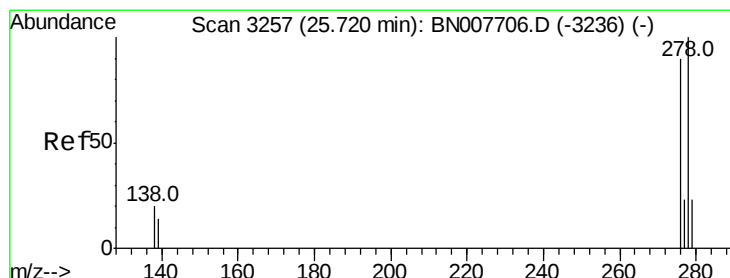
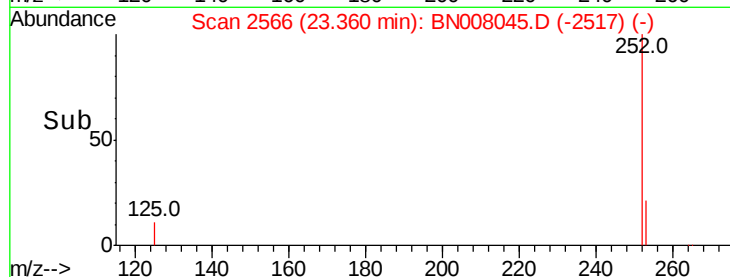
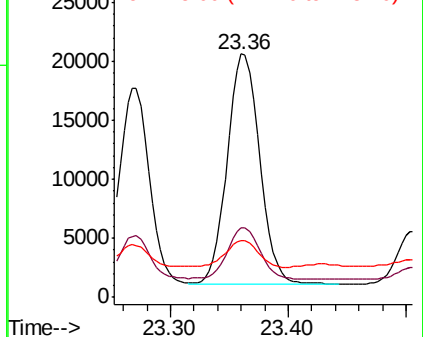
252 100

253 28.6 18.6 27.8#

125 23.2 9.4 14.0#



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: 0.084 ng

RT: 25.67 min Scan# 3241

Delta R.T. -0.05 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

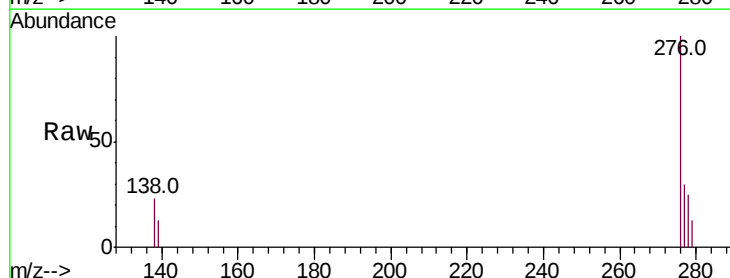
Tgt Ion:278 Resp: 7096

Ion Ratio Lower Upper

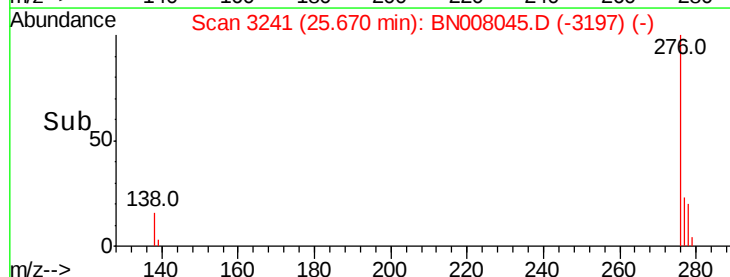
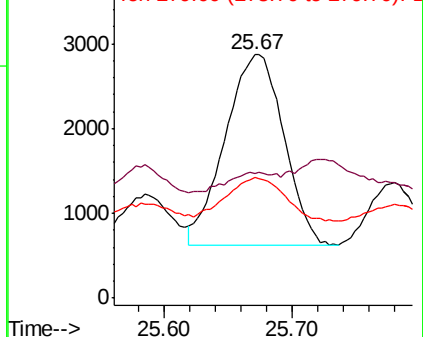
278 100

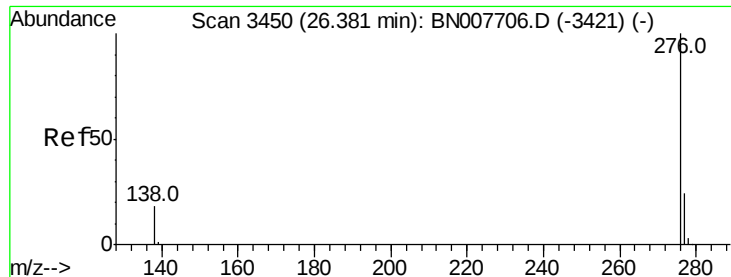
139 51.2 11.8 17.6#

279 49.7 19.4 29.2#



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





#39

Benzo(a,h,i)perylene

Concen: 0.378 ng

RT: 26.34 min Scan# 3437

Delta R.T. -0.04 min

Lab File: BN008045.D

Acq: 06 Oct 2019 05:00

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW128-092519

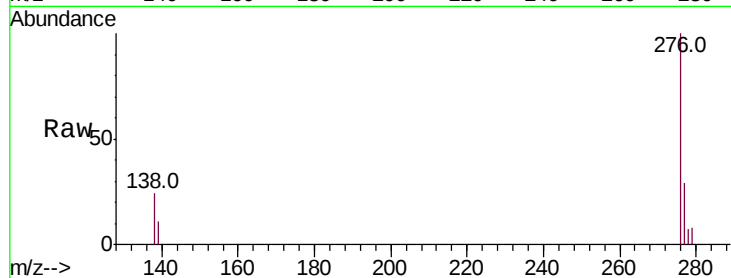
Tot Ion:276 Resp: 31597

Ion Ratio Lower Upper

276 100

277 29.0 19.8 29.8

138 23.8 15.1 22.7#



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

