

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\  
 Data File : BN007905.D  
 Acq On : 30 Sep 2019 20:13  
 Operator : JU  
 Sample : K5078-15  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-024-SW130-092519

Quant Time: Oct 01 07:58:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 18 18:24:40 2019  
 Response via : Initial Calibration

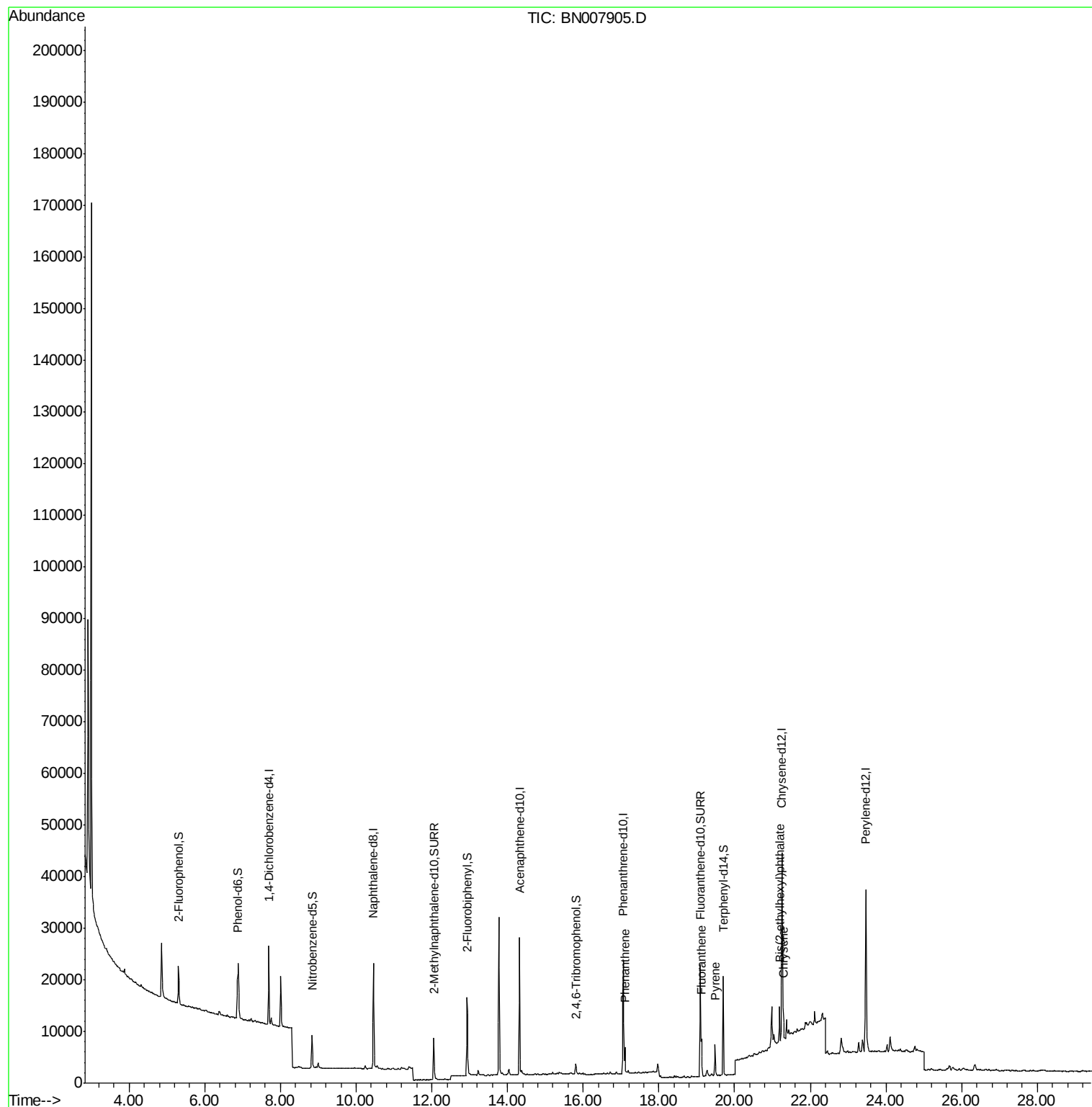
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.69  | 152  | 7458     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.46 | 136  | 27852    | 0.40  | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.31 | 164  | 15481    | 0.40  | ng    | -0.01    |
| 19) Phenanthrene-d10           | 17.06 | 188  | 29410    | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.25 | 240  | 34618    | 0.40  | ng    | -0.02    |
| 34) Perylene-d12               | 23.47 | 264  | 40933    | 0.40  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.31  | 112  | 5750     | 0.22  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.86  | 99   | 7651     | 0.24  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.83  | 82   | 6412     | 0.26  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.05 | 152  | 11539    | 0.25  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.81 | 330  | 1598     | 0.19  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 12.93 | 172  | 15535    | 0.24  | ng    | -0.01    |
| 25) Fluoranthene-d10           | 19.09 | 212  | 24608    | 0.25  | ng    | -0.02    |
| 29) Terphenyl-d14              | 19.70 | 244  | 19453    | 0.23  | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 23) Phenanthrene               | 17.10 | 178  | 5243     | 0.057 | ng    | 98       |
| 26) Fluoranthene               | 19.12 | 202  | 6094     | 0.053 | ng    | # 97     |
| 28) Pyrene                     | 19.49 | 202  | 5541     | 0.047 | ng    | # 94     |
| 31) Chrysene                   | 21.29 | 228  | 3239     | 0.026 | ng    | # 77     |
| 32) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 5736     | 0.087 | ng    | 98       |

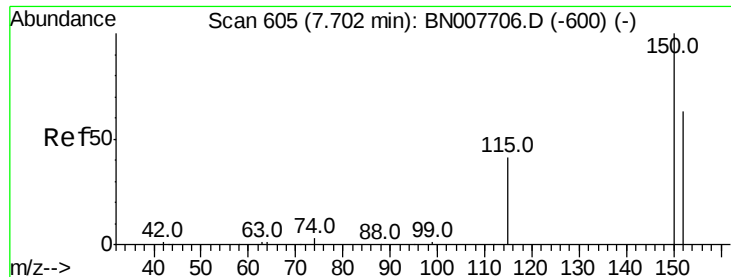
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 18 18:24:40 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 604

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW130-092519

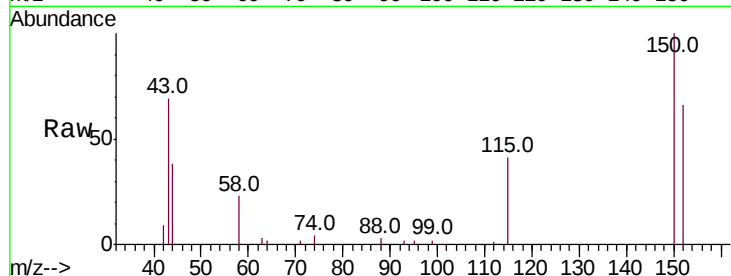
Tot Ion:152 Resp: 7458

Ion Ratio Lower Upper

152 100

150 150.9 125.6 188.4

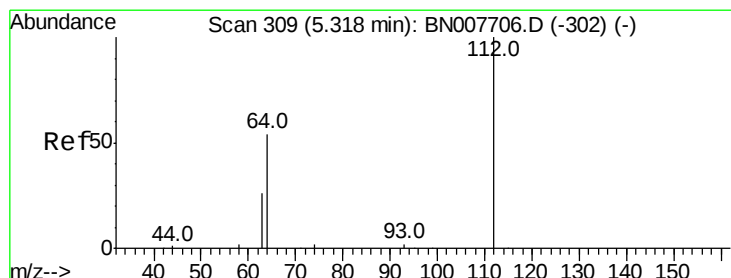
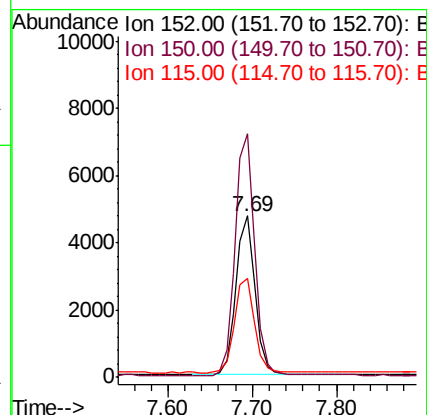
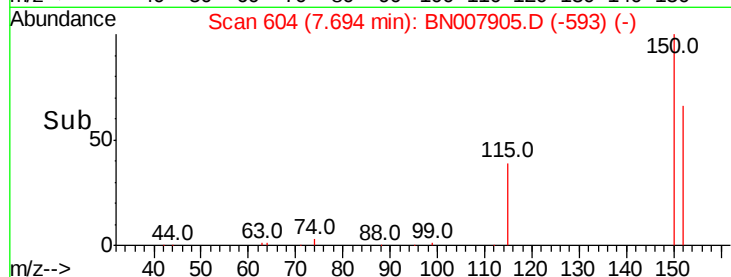
115 61.2 53.3 79.9



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



#4

2-Fluorophenol

Concen: 0.224 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

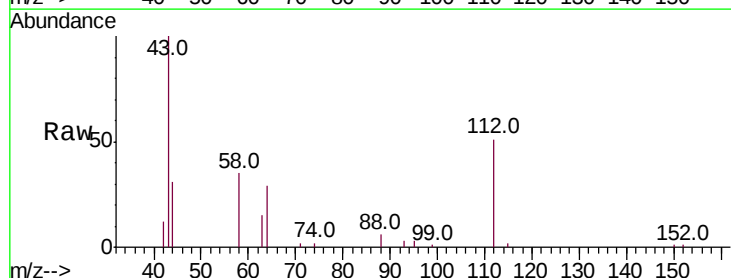
Tgt Ion:112 Resp: 5750

Ion Ratio Lower Upper

112 100

64 58.8 46.6 70.0

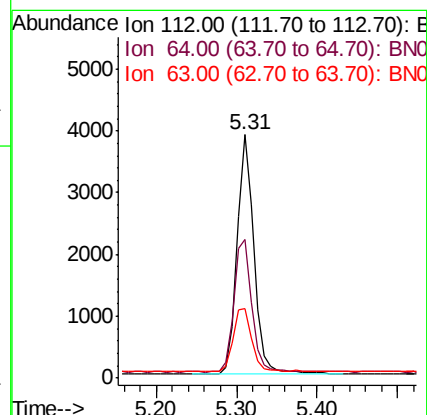
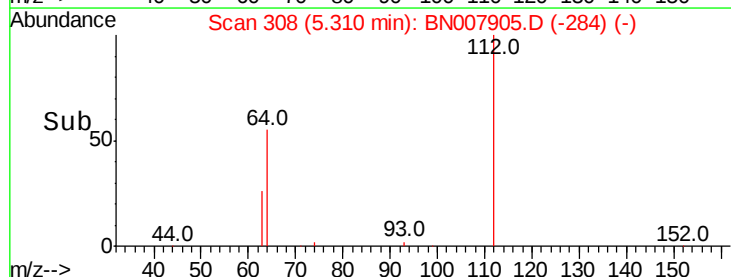
63 28.6 23.1 34.7

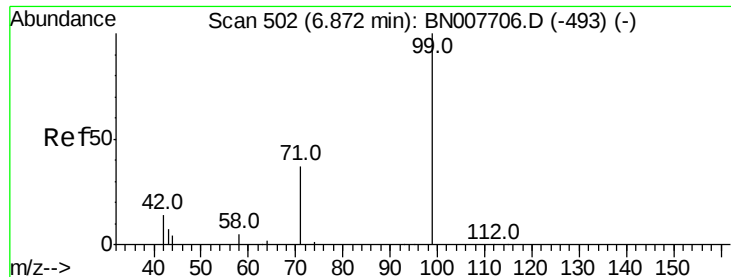


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.237 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW130-092519

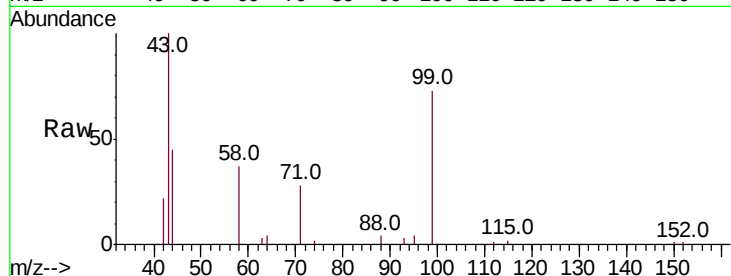
Tot Ion: 99 Resp: 7651

Ion Ratio Lower Upper

99 100

42 21.1 12.8 19.2#

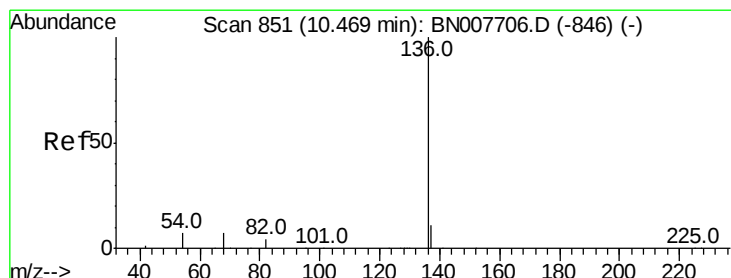
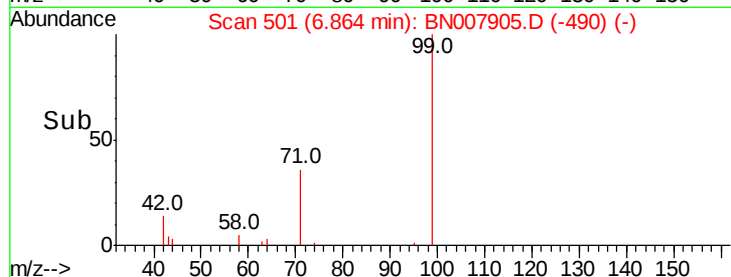
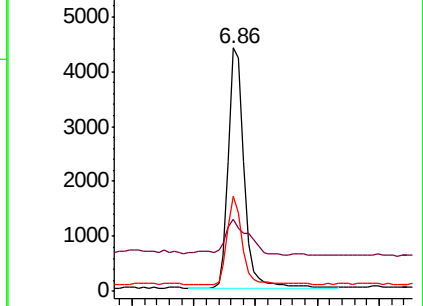
71 34.0 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Tgt Ion: 136 Resp: 27852

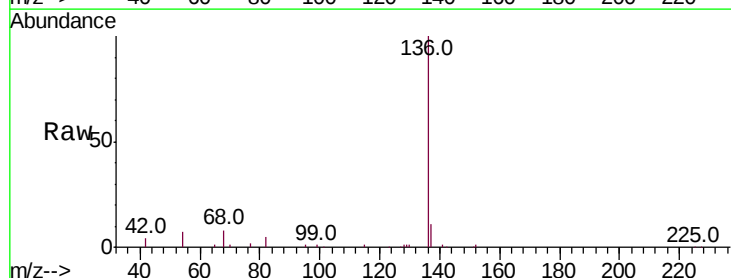
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 7.3 5.8 8.8

68 7.8 6.5 9.7

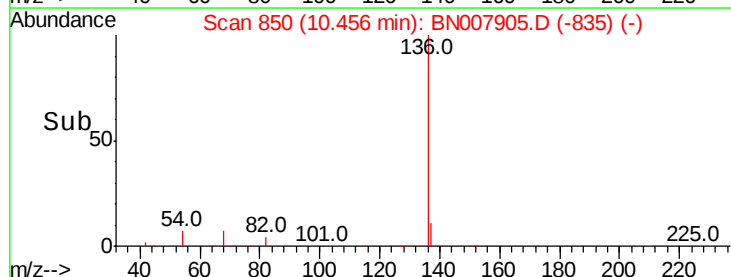
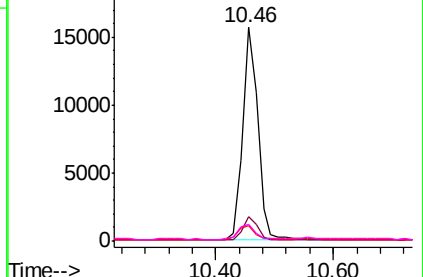


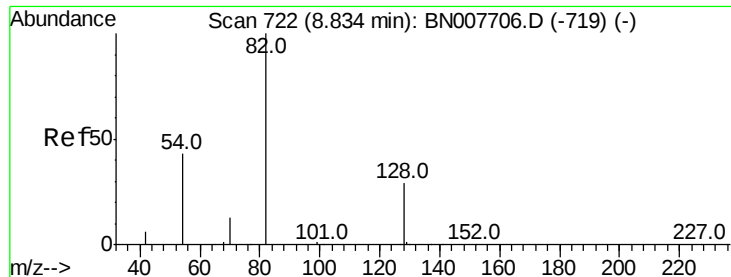
Abundance Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)

Ion 137.00 (136.70 to 137.70): BN007706.D (-846) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-846) (-)

Ion 68.00 (67.70 to 68.70): BN007706.D (-846) (-)





#8

Nitrobenzene-d5

Concen: 0.263 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW130-092519

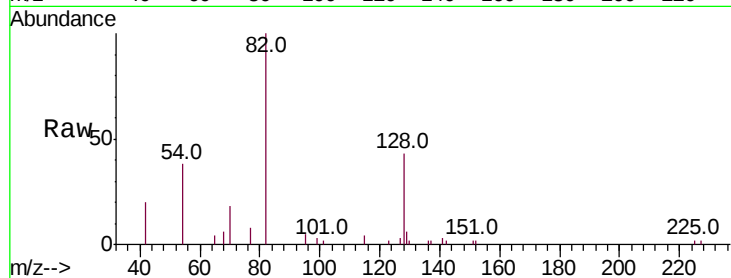
Tot Ion: 82 Resp: 6412

Ion Ratio Lower Upper

82 100

128 42.6 24.5 36.7#

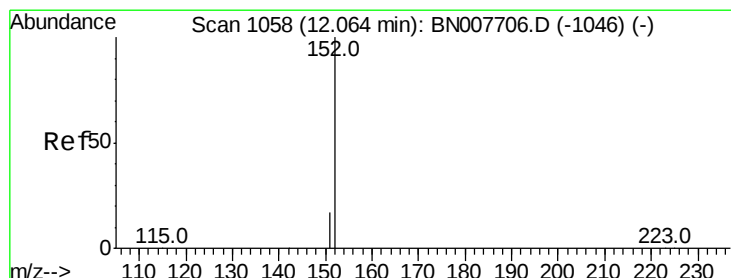
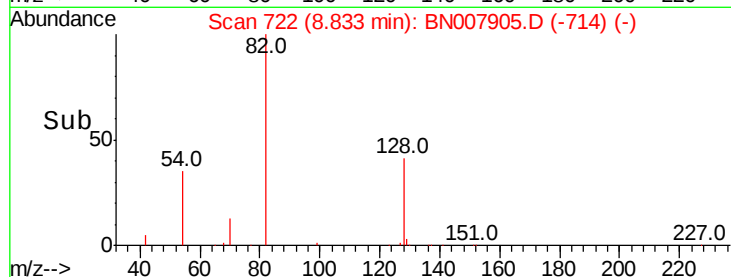
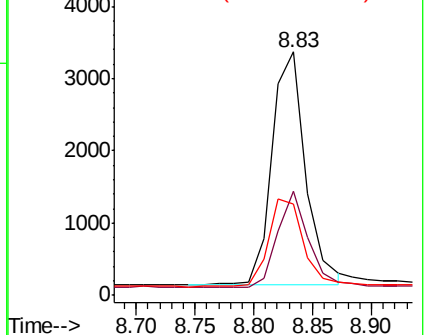
54 37.7 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.246 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007905.D

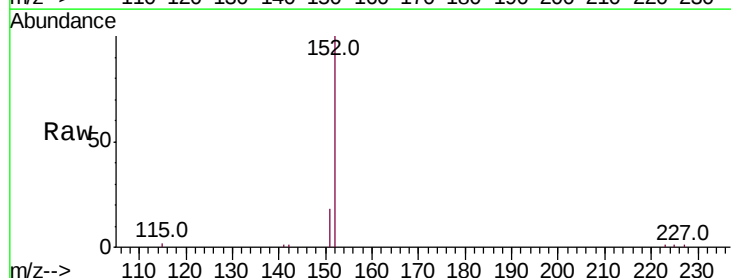
Acq: 30 Sep 2019 20:13

Tgt Ion: 152 Resp: 11539

Ion Ratio Lower Upper

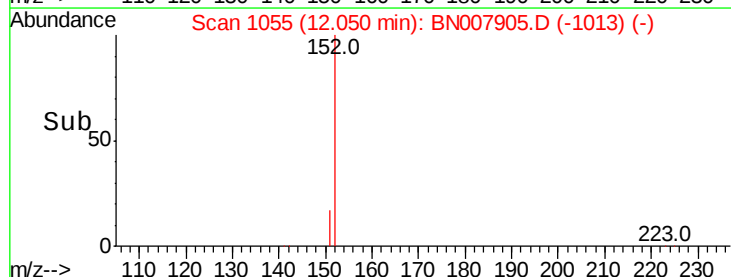
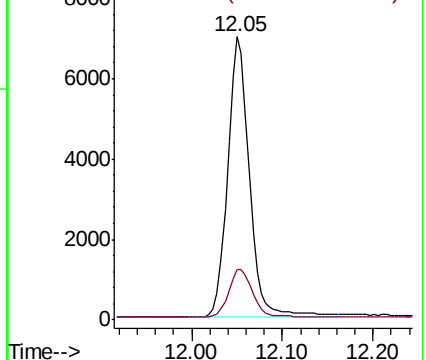
152 100

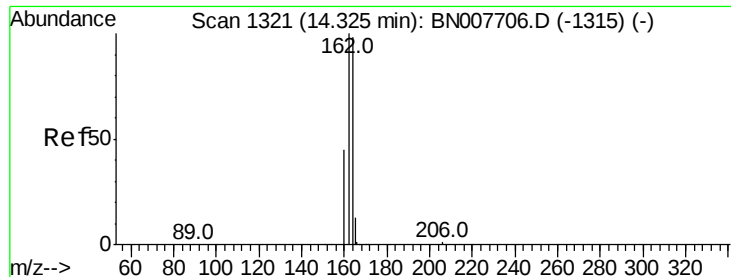
151 19.1 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): BN007706.D (-1046) (-)

Ion 151.00 (150.70 to 151.70): BN007706.D (-1046) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW130-092519

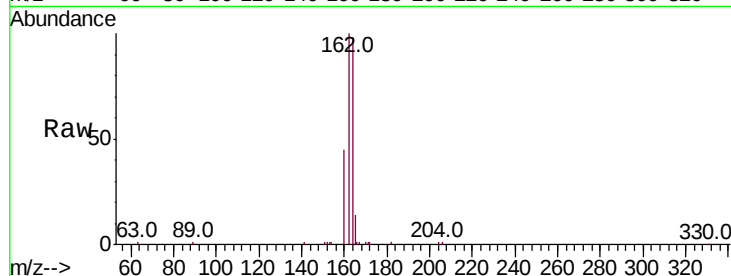
Tot Ion:164 Resp: 15481

Ion Ratio Lower Upper

164 100

162 101.7 81.7 122.5

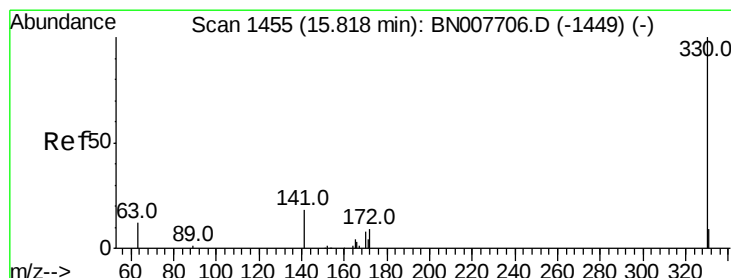
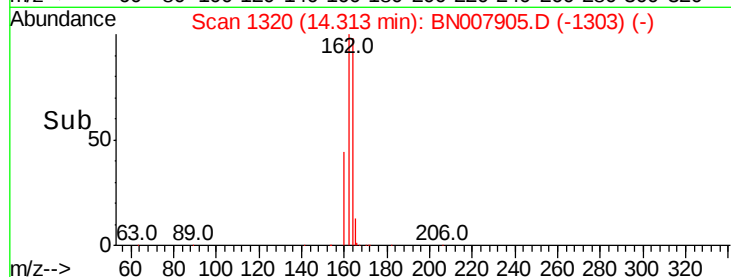
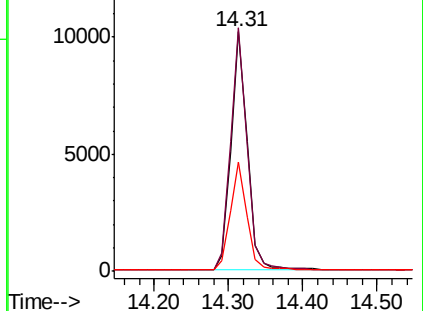
160 45.5 37.0 55.4



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: 0.190 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

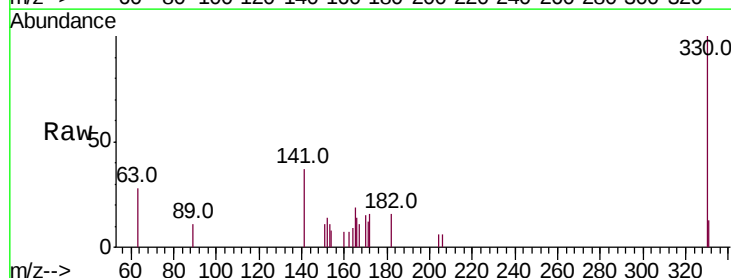
Tgt Ion:330 Resp: 1598

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

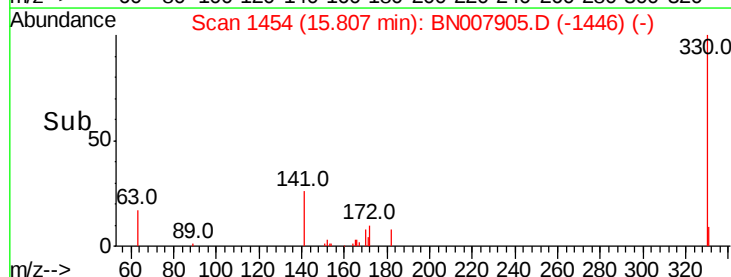
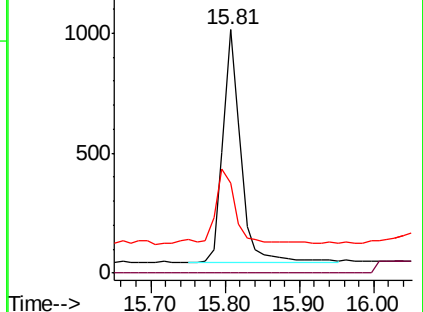
141 36.5 28.7 43.1

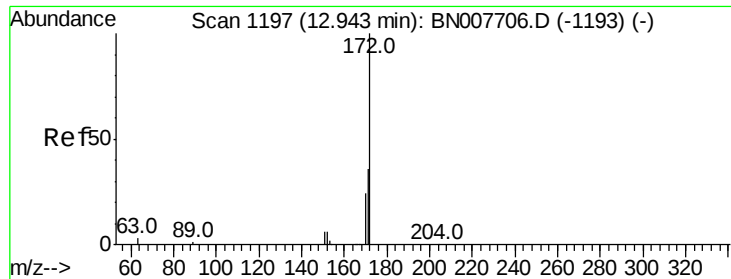


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

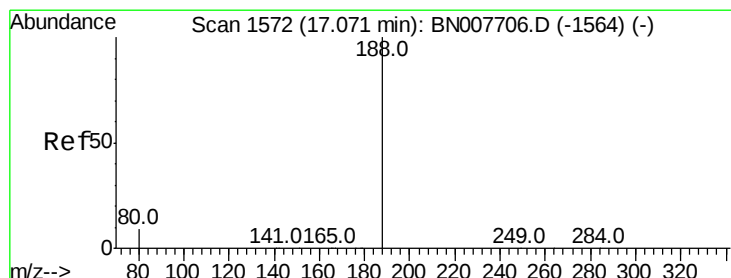
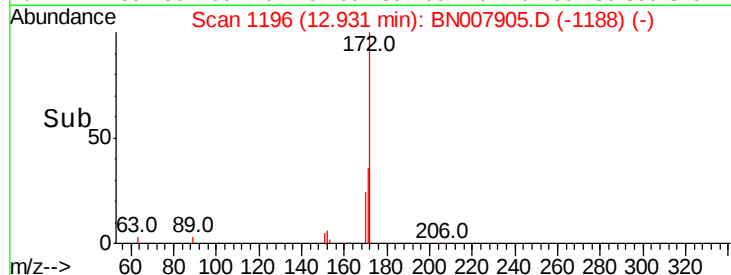
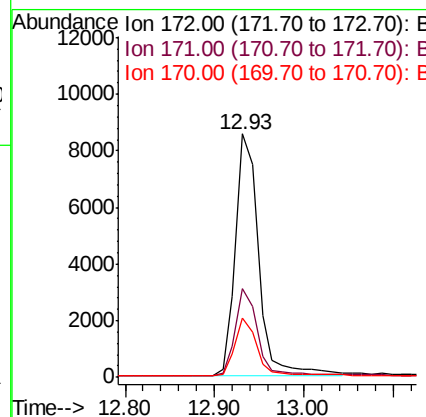
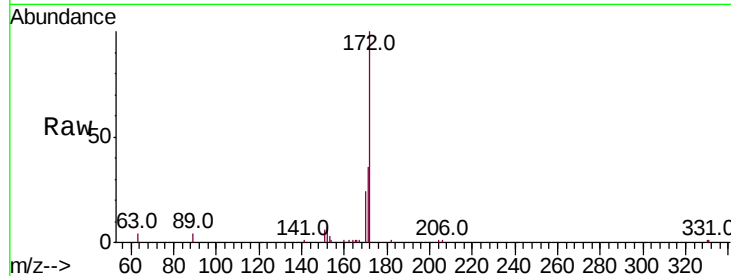




#15  
2-Fluorobiphenyl  
Concen: 0.244 ng  
RT: 12.93 min Scan# 1196  
Delta R.T. -0.01 min  
Lab File: BN007905.D  
Acq: 30 Sep 2019 20:13

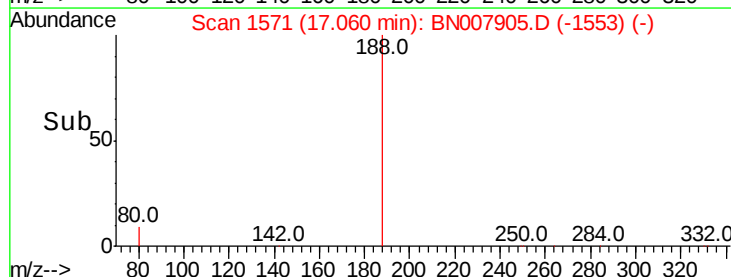
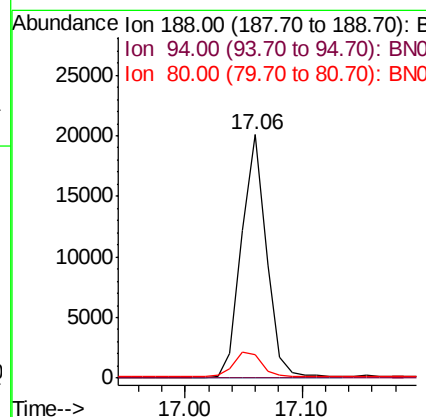
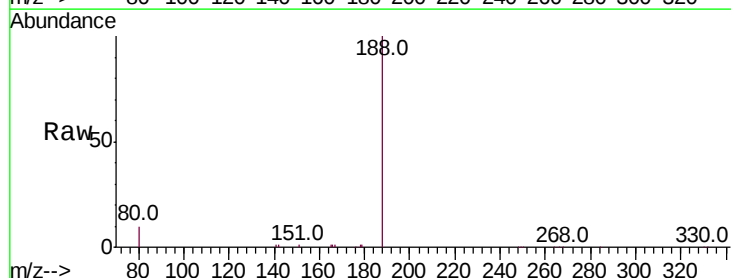
Instrument :  
BNA\_N  
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PST-024-SW130-092519

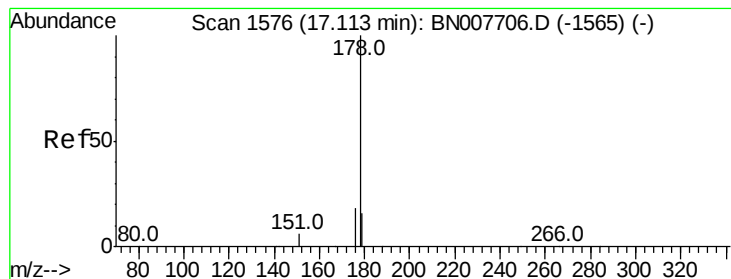
Tot Ion:172 Resp: 15535  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.8 43.2  
170 24.4 19.5 29.3



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.06 min Scan# 1571  
Delta R.T. -0.01 min  
Lab File: BN007905.D  
Acq: 30 Sep 2019 20:13

Tgt Ion:188 Resp: 29410  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.7 7.4 11.2





#23

Phenanthrene

Concen: 0.057 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW130-092519

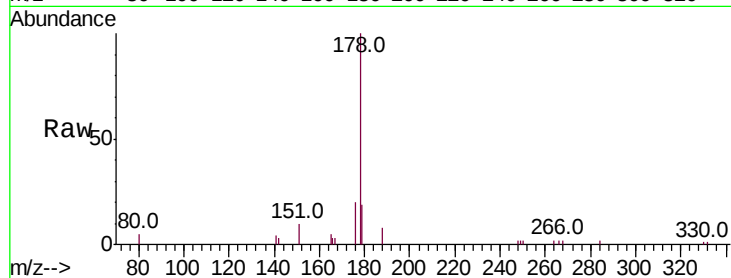
Tot Ion:178 Resp: 5243

Ion Ratio Lower Upper

178 100

176 18.3 14.9 22.3

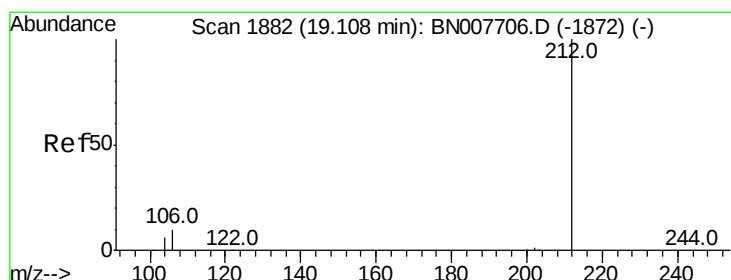
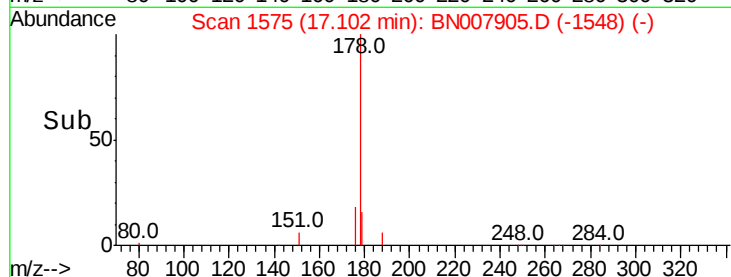
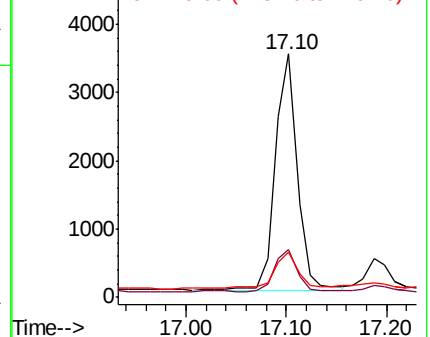
179 17.3 12.5 18.7



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



#25

Fluoranthene-d10

Concen: 0.248 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

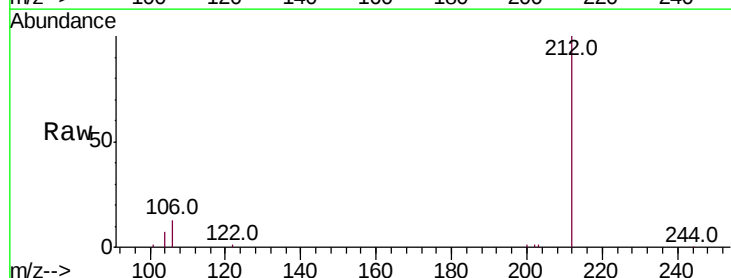
Tgt Ion:212 Resp: 24608

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

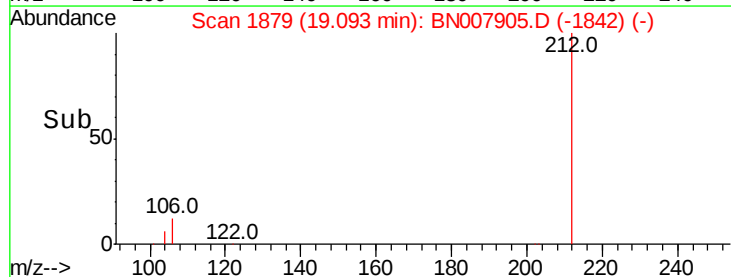
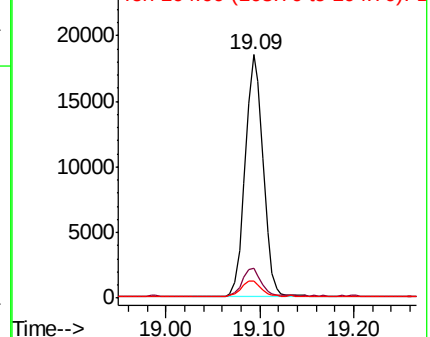
104 6.7 5.3 7.9

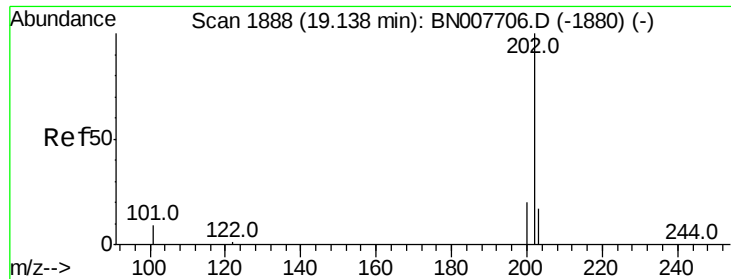


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

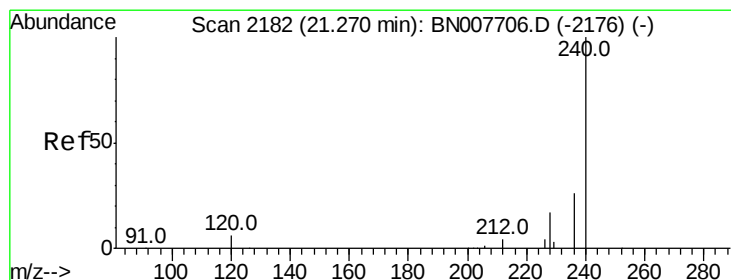
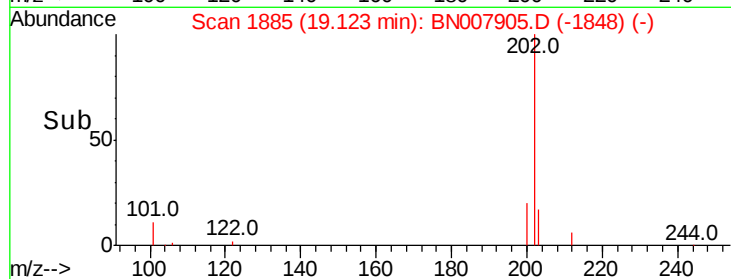
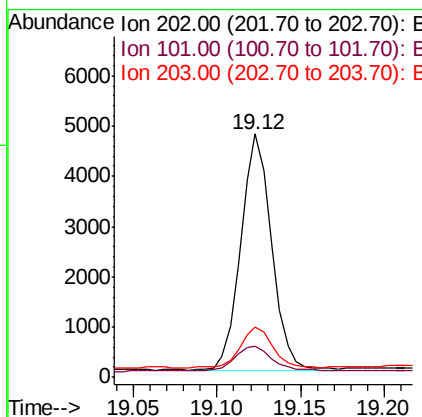
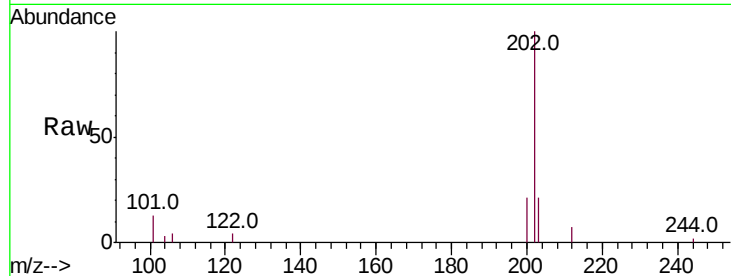




#26  
 Fluoranthene  
 Concen: 0.053 ng  
 RT: 19.12 min Scan# 1885  
 Delta R.T. -0.02 min  
 Lab File: BN007905.D  
 Acq: 30 Sep 2019 20:13

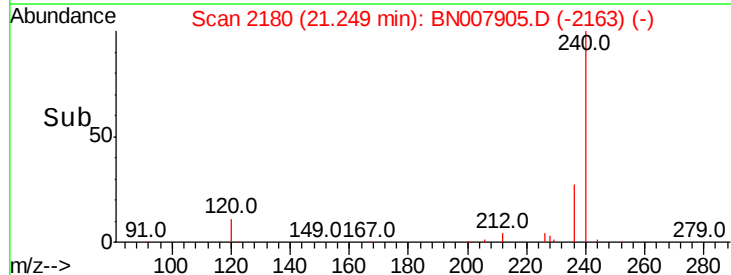
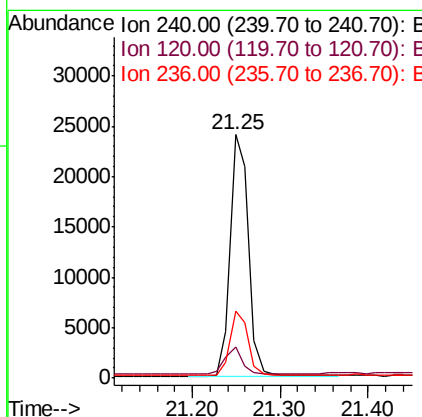
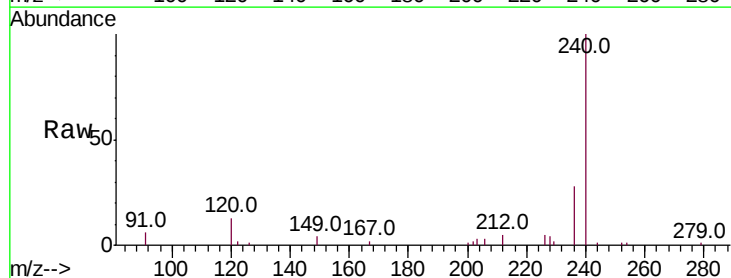
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-024-SW130-092519

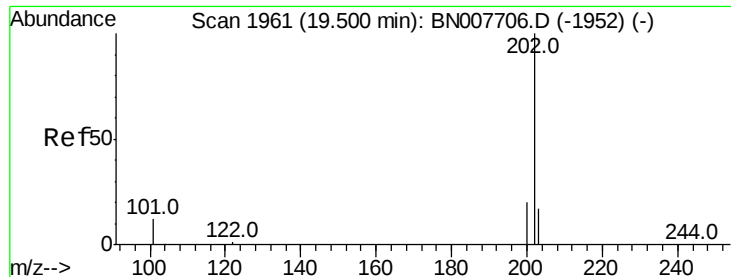
Tot Ion:202 Resp: 6094  
 Ion Ratio Lower Upper  
 202 100  
 101 12.8 8.4 12.6#  
 203 17.8 13.8 20.8



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.25 min Scan# 2180  
 Delta R.T. -0.02 min  
 Lab File: BN007905.D  
 Acq: 30 Sep 2019 20:13

Tgt Ion:240 Resp: 34618  
 Ion Ratio Lower Upper  
 240 100  
 120 12.8 5.4 8.2#  
 236 27.7 21.0 31.4





#28

Pvrene

Concen: 0.047 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW130-092519

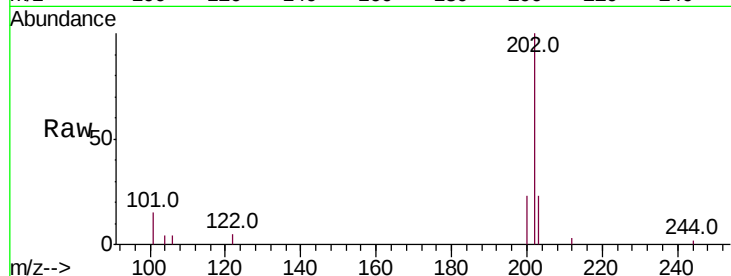
Tot Ion:202 Resp: 5541

Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

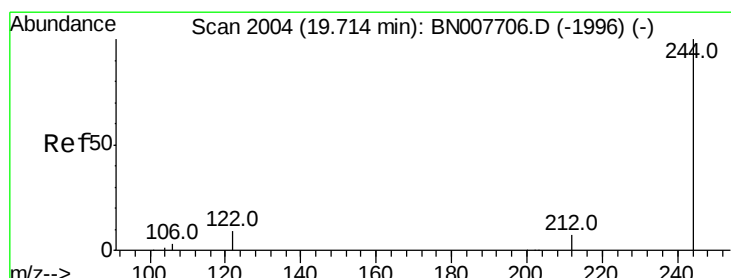
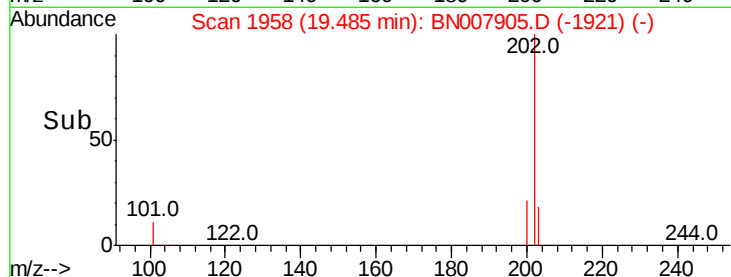
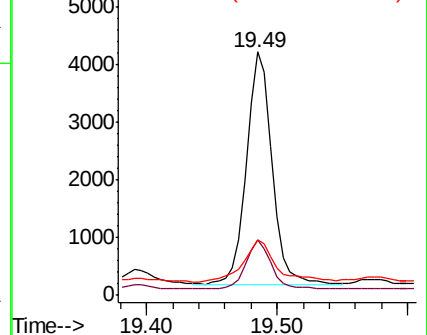
203 23.0 14.1 21.1#



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: 0.229 ng

RT: 19.70 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

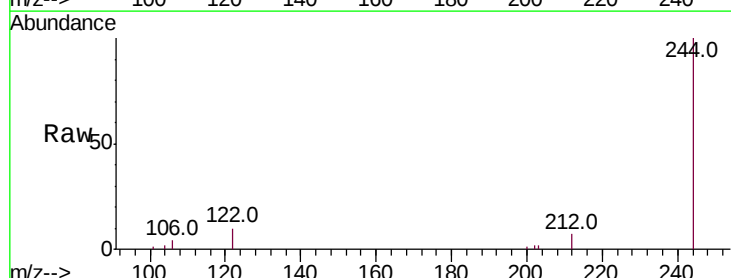
Tgt Ion:244 Resp: 19453

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

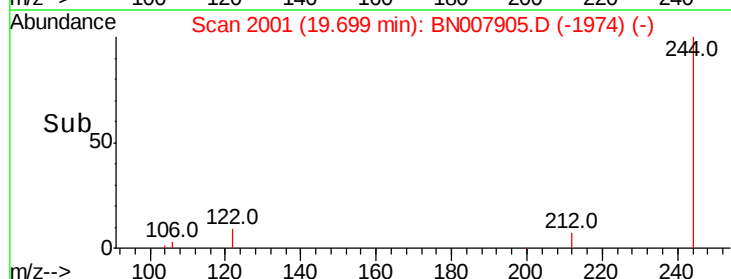
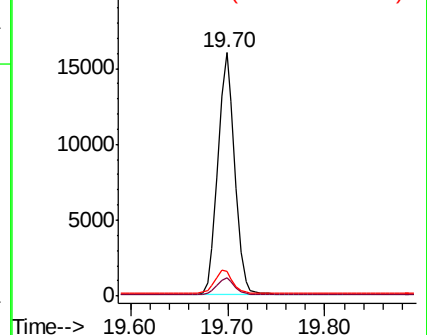
122 10.1 7.4 11.2

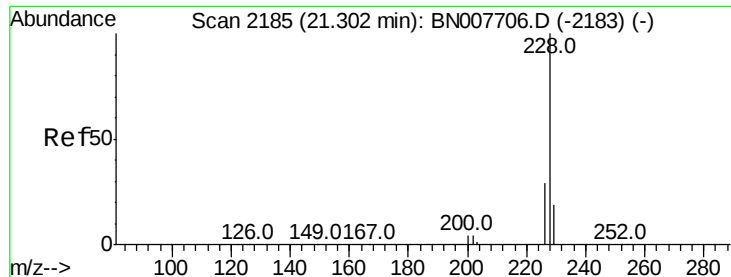


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#31

Chrysene

Concen: 0.026 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW130-092519

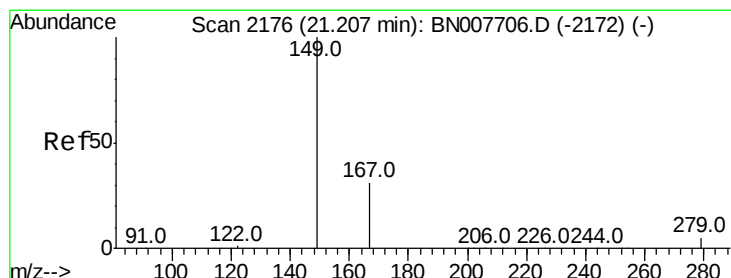
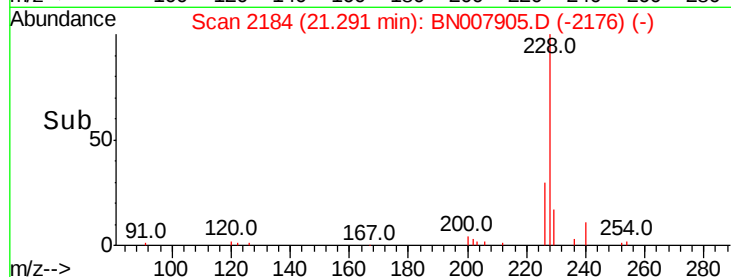
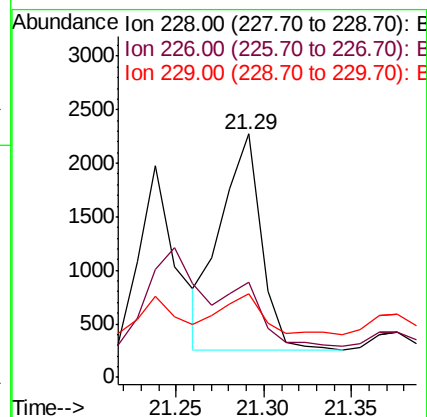
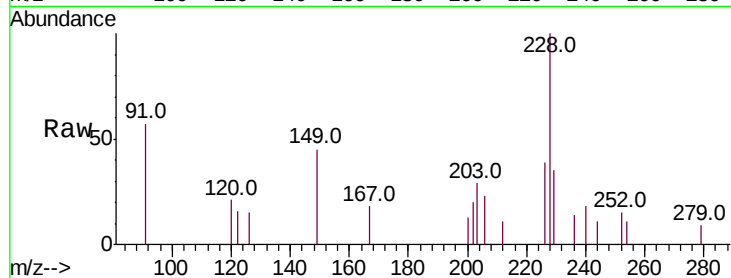
Tot Ion:228 Resp: 3239

Ion Ratio Lower Upper

228 100

226 39.0 23.9 35.9#

229 34.6 15.8 23.6#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.087 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

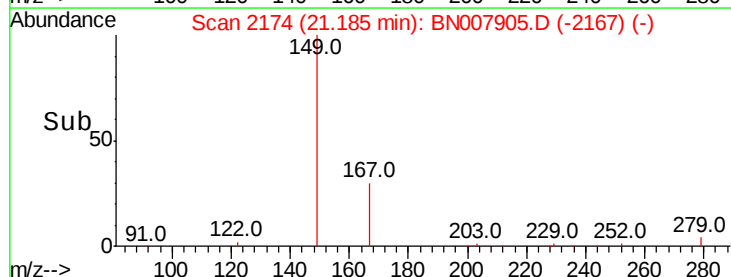
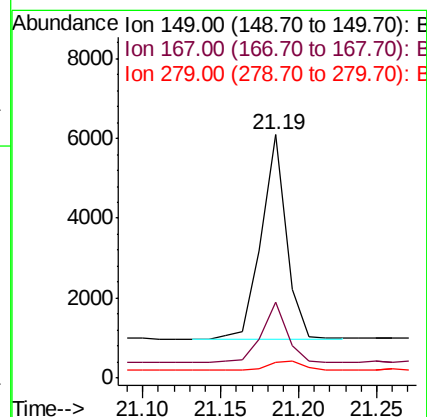
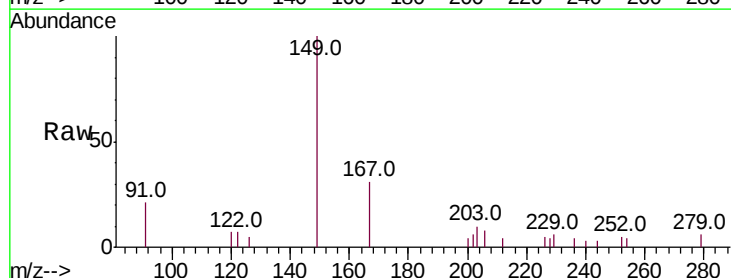
Tgt Ion:149 Resp: 5736

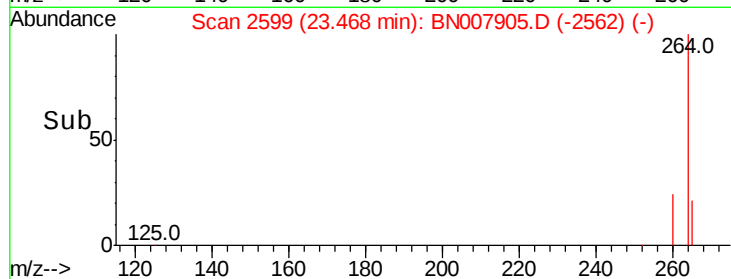
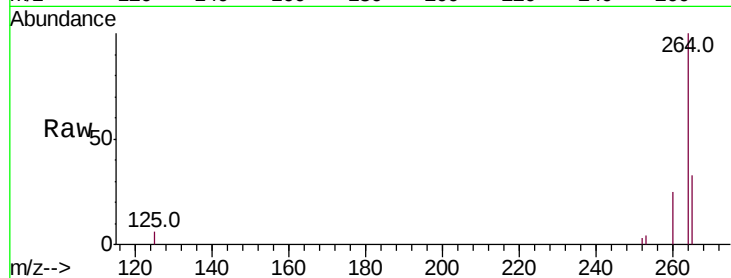
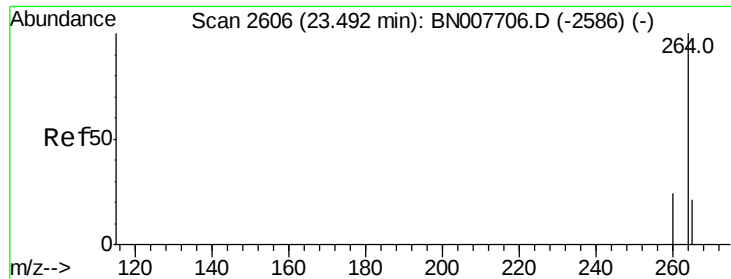
Ion Ratio Lower Upper

149 100

167 30.3 23.7 35.5

279 6.2 4.2 6.2





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.47 min Scan# 2599

Delta R.T. -0.02 min

Lab File: BN007905.D

Acq: 30 Sep 2019 20:13

Instrument :

BNA\_N

ClientSampleId :

PST-024-SW130-092519

Tot Ion: 264 Resp: 40933

Ion Ratio Lower Upper

264 100

260 25.2 19.3 28.9

265 32.7 26.9 40.3

