

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061020\  
 Data File : BN010828.D  
 Acq On : 10 Jun 2020 21:39  
 Operator : CG/JU  
 Sample : L2904-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 VE-4-11

Quant Time: Jun 11 09:55:55 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 10 15:14:26 2020  
 Response via : Initial Calibration

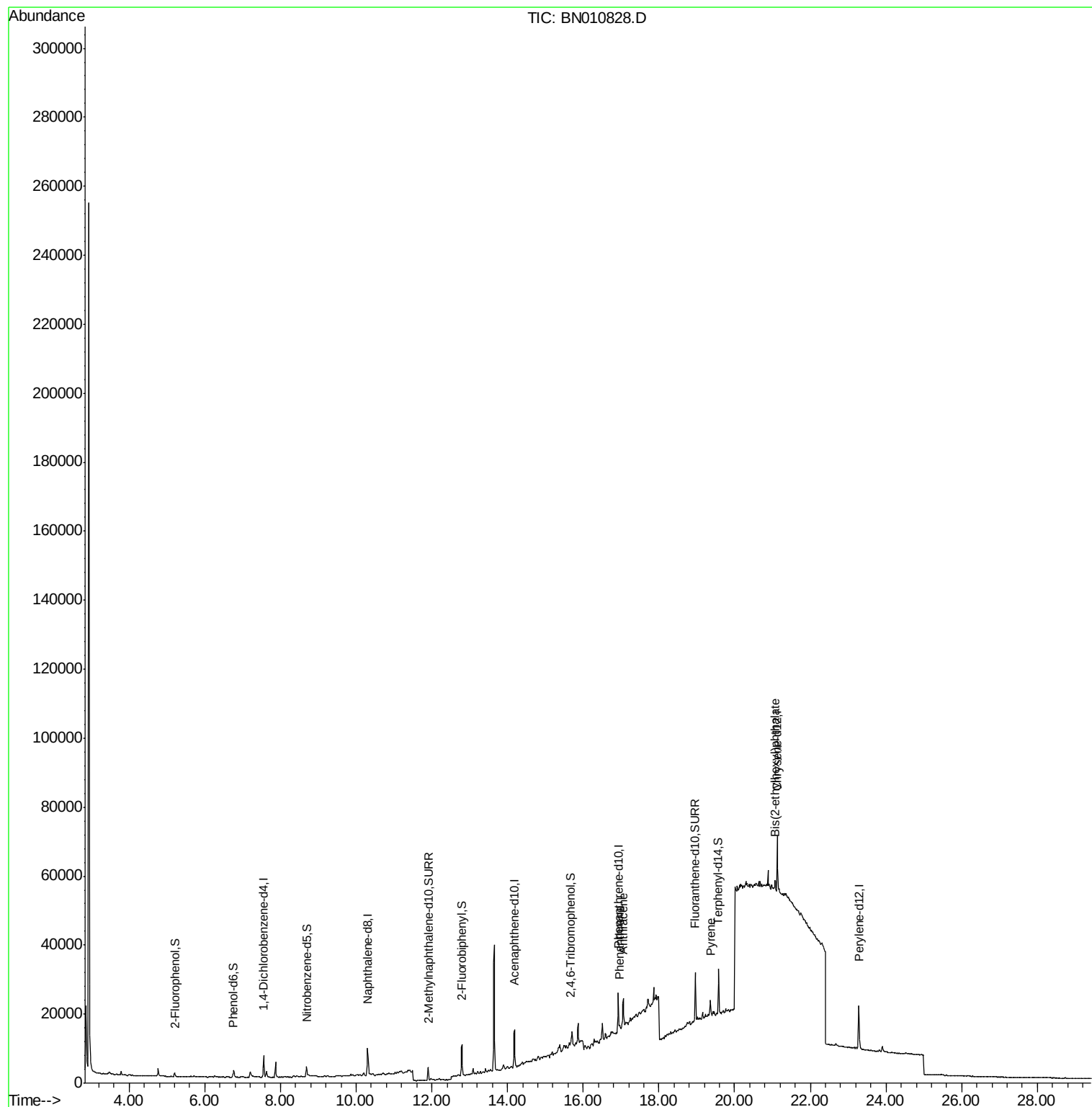
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.56  | 152  | 3144     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.30 | 136  | 11147    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.18 | 164  | 7372     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.92 | 188  | 15004    | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.13 | 240  | 14930    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.28 | 264  | 15919    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.21  | 112  | 990      | 0.16  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.75  | 99   | 671      | 0.09  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.69  | 82   | 3104     | 0.38  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.90 | 152  | 5476     | 0.32  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.67 | 330  | 1110     | 0.42  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 12.80 | 172  | 9077     | 0.31  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.96 | 212  | 15311    | 0.37  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.58 | 244  | 12883    | 0.37  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 23) Phenanthrene               | 16.96 | 178  | 1823     | 0.044 | ng    | # 18     |
| 24) Anthracene                 | 17.06 | 178  | 9121     | 0.267 | ng    | # 86     |
| 28) Pyrene                     | 19.36 | 202  | 4219     | 0.085 | ng    | # 87     |
| 32) Bis(2-ethylhexyl)phthalate | 21.08 | 149  | 2143     | 0.146 | ng    | 98       |

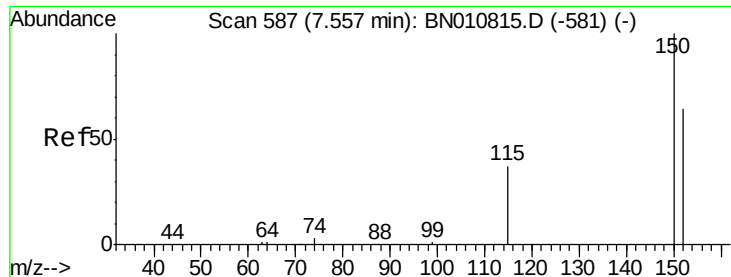
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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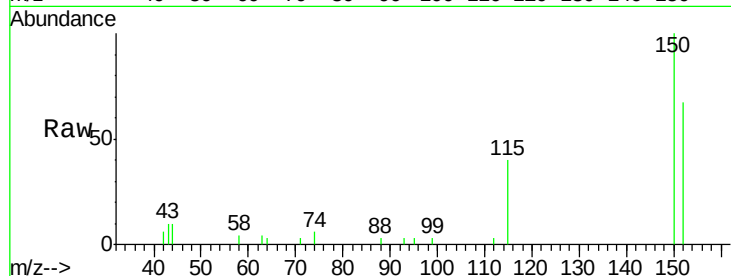


#1

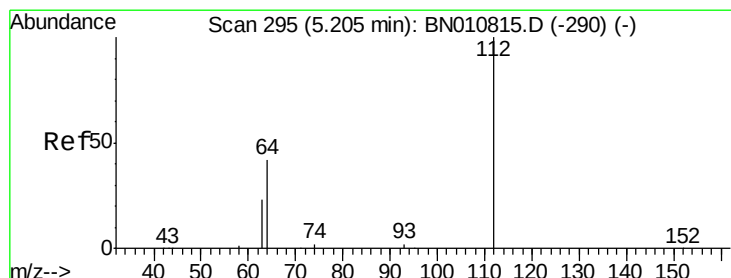
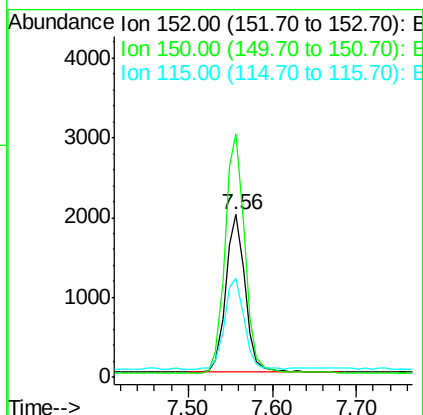
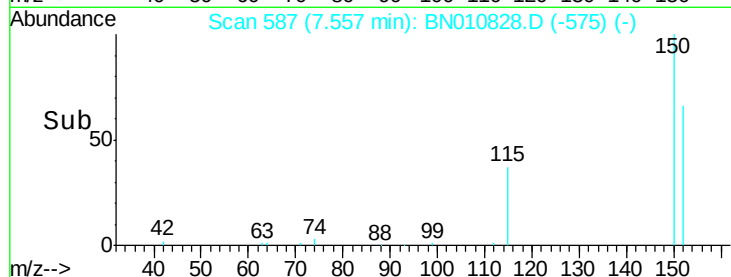
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.56 min Scan# 587  
Delta R.T. 0.00 min  
Lab File: BN010828.D  
Acq: 10 Jun 2020 21:39

Instrument :  
BNA\_N  
ClientSampleId :  
VE-4-11

Tot Ion:152 Resp: 3144  
Ion Ratio Lower Upper  
152 100  
150 149.8 123.8 185.6  
115 60.5 49.2 73.8



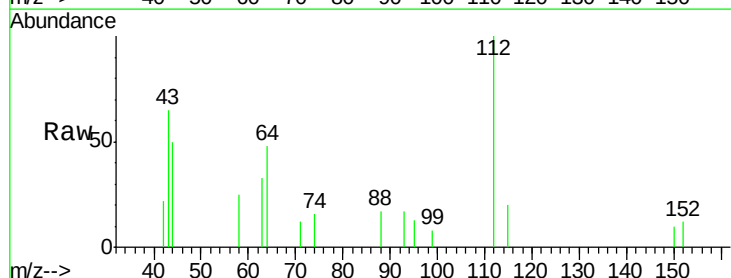
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



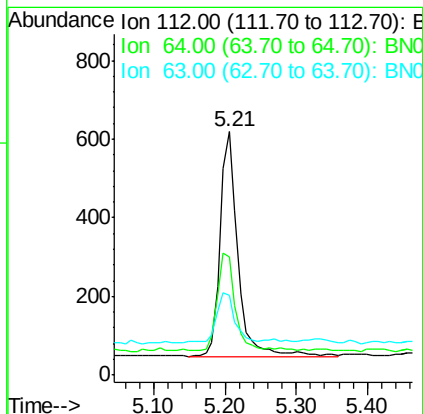
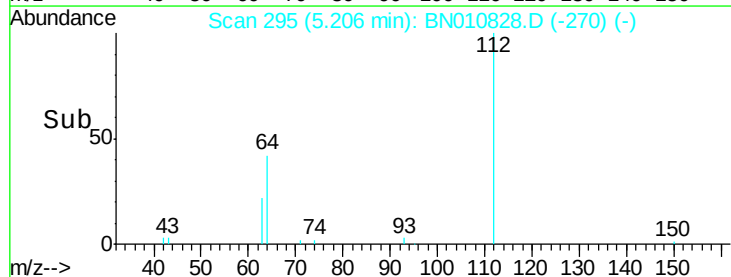
#4

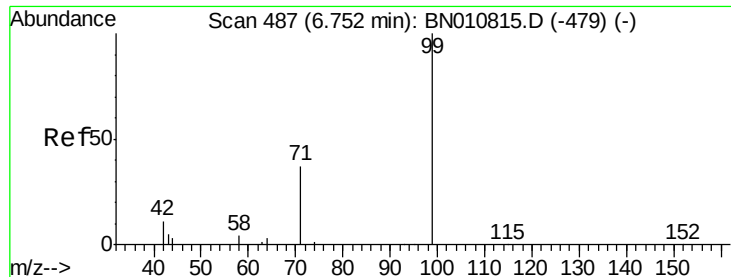
2-Fluorophenol  
Concen: 0.163 ng  
RT: 5.21 min Scan# 295  
Delta R.T. 0.00 min  
Lab File: BN010828.D  
Acq: 10 Jun 2020 21:39

Tgt Ion:112 Resp: 990  
Ion Ratio Lower Upper  
112 100  
64 43.2 37.4 56.0  
63 24.4 22.2 33.4



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: 0.094 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

Instrument :

BNA\_N

ClientSampled :

VE-4-11

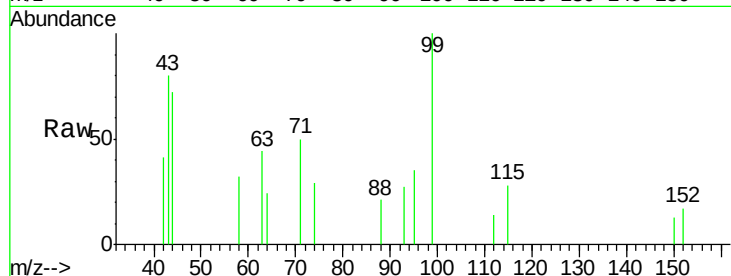
Tot Ion: 99 Resp: 671

Ion Ratio Lower Upper

99 100

42 0.0 11.1 16.7#

71 57.8 31.4 47.2#

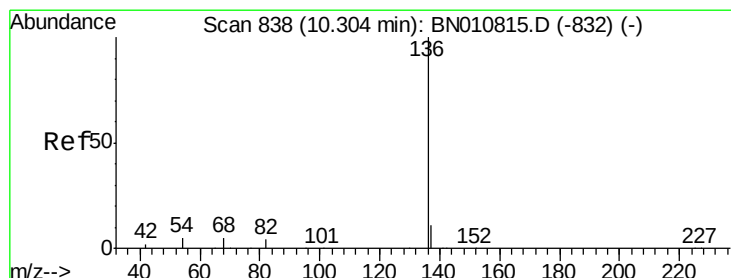
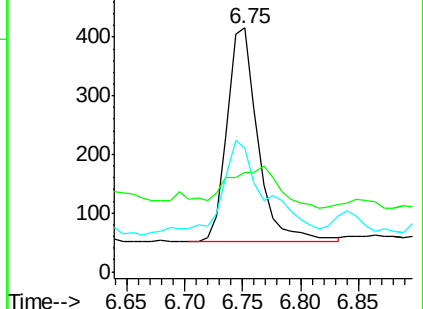
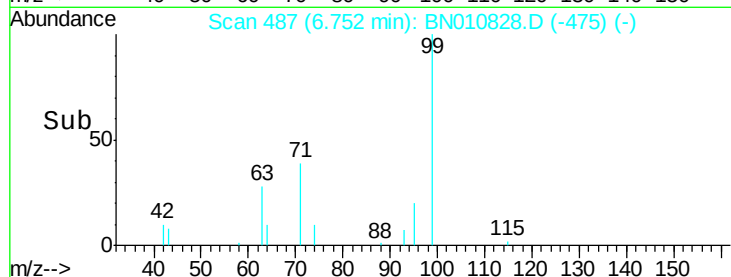


Abundance Ion 99.00 (98.70 to 99.70): BN010828.D (-475) (-)

Ion 42.00 (41.70 to 42.70): BN010828.D (-475) (-)

Ion 71.00 (70.70 to 71.70): BN010828.D (-475) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

Tgt Ion: 136 Resp: 11147

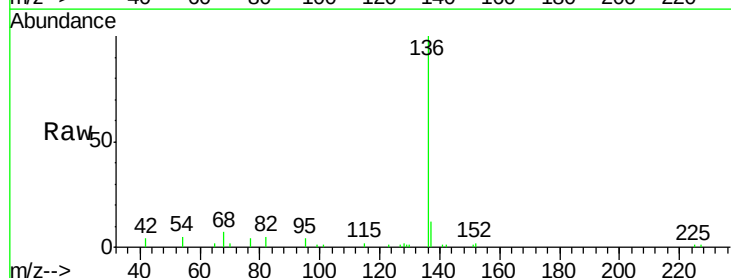
Ion Ratio Lower Upper

136 100

137 12.0 9.7 14.5

54 5.2 4.9 7.3

68 7.1 4.7 7.1#



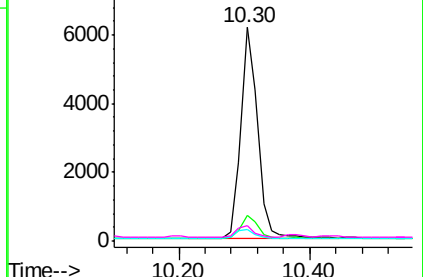
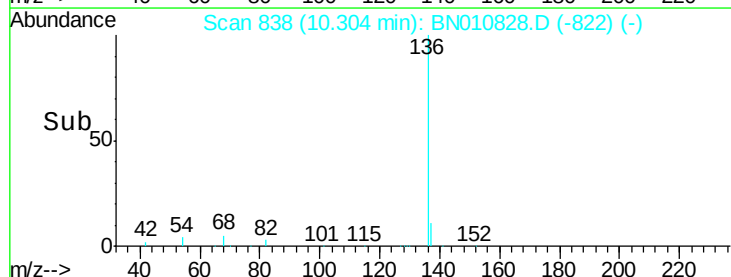
Abundance Ion 136.00 (135.70 to 136.70): BN010828.D (-822) (-)

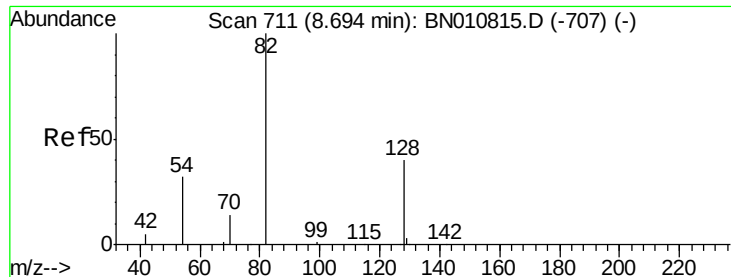
Ion 137.00 (136.70 to 137.70): BN010828.D (-822) (-)

Ion 54.00 (53.70 to 54.70): BN010828.D (-822) (-)

Ion 68.00 (67.70 to 68.70): BN010828.D (-822) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.376 ng

RT: 8.69 min Scan# 711

Delta R.T. 0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

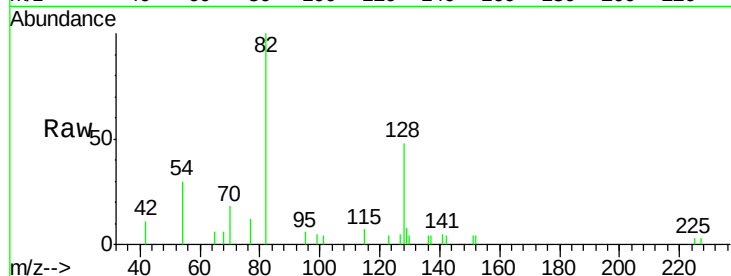
Tot Ion: 82 Resp: 3104

Ion Ratio Lower Upper

82 100

128 48.2 35.4 53.0

54 30.0 28.2 42.4

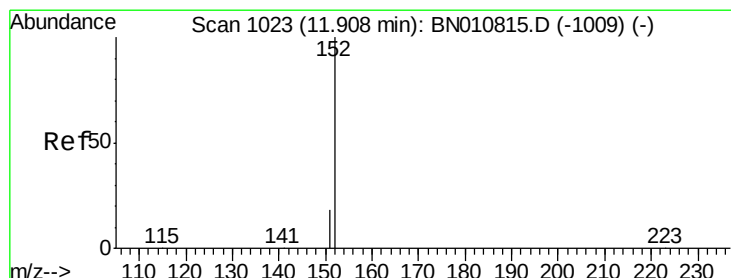
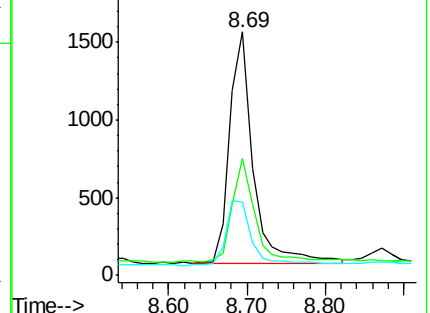
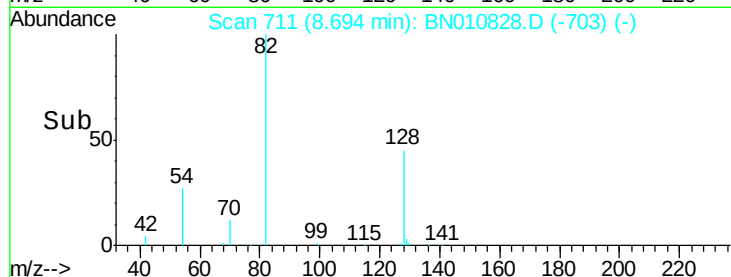


Abundance Ion 82.00 (81.70 to 82.70): BN010815.D (-707) (-)

Ion 128.00 (127.70 to 128.70): BN010815.D (-707) (-)

Ion 54.00 (53.70 to 54.70): BN010815.D (-707) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.317 ng

RT: 11.90 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BN010828.D

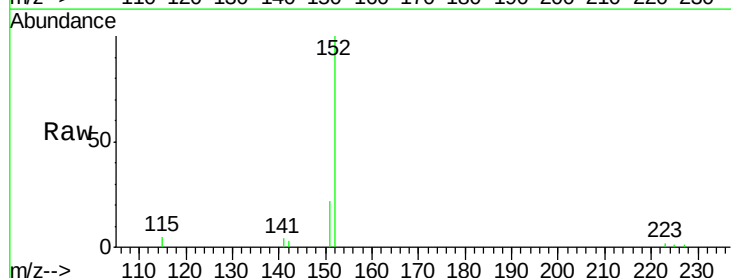
Acq: 10 Jun 2020 21:39

Tgt Ion: 152 Resp: 5476

Ion Ratio Lower Upper

152 100

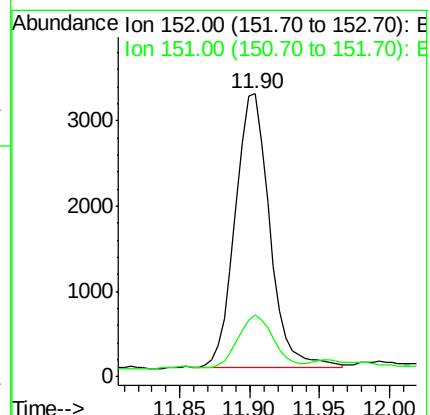
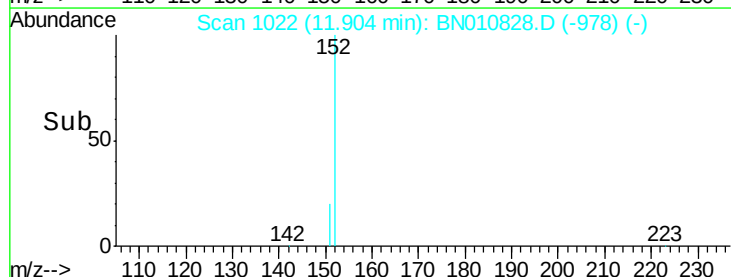
151 20.2 15.3 22.9

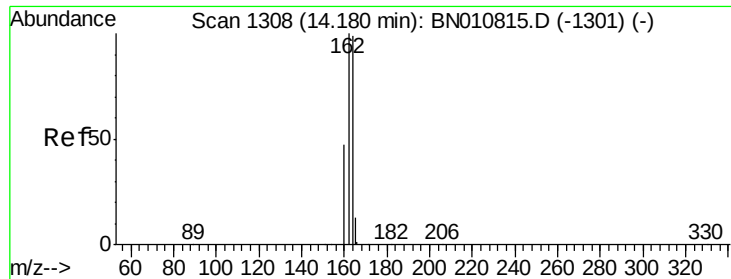


Abundance Ion 152.00 (151.70 to 152.70): BN010815.D (-1009) (-)

Ion 151.00 (150.70 to 151.70): BN010815.D (-1009) (-)

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.18 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

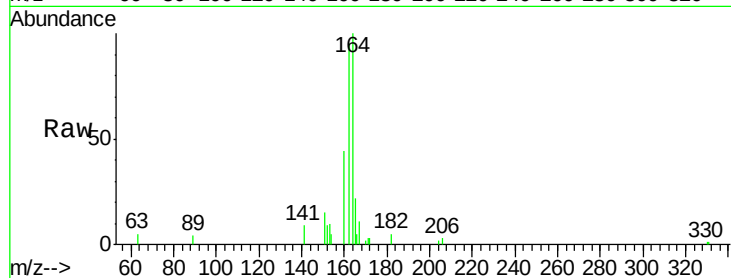
Tot Ion:164 Resp: 7372

Ion Ratio Lower Upper

164 100

162 95.3 81.0 121.6

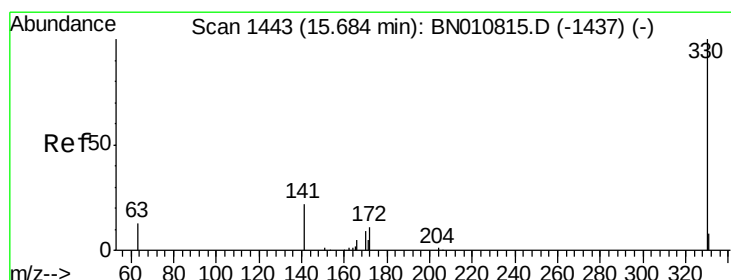
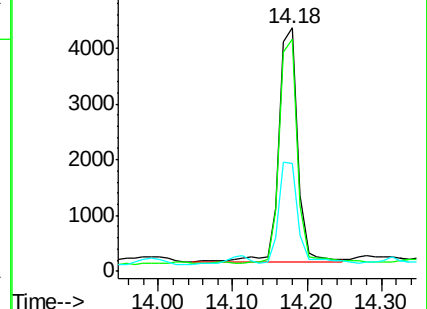
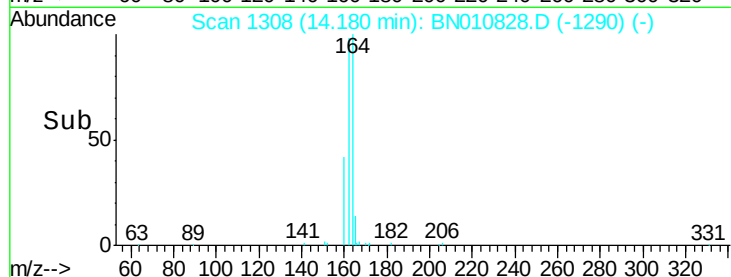
160 44.1 38.9 58.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.421 ng

RT: 15.67 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

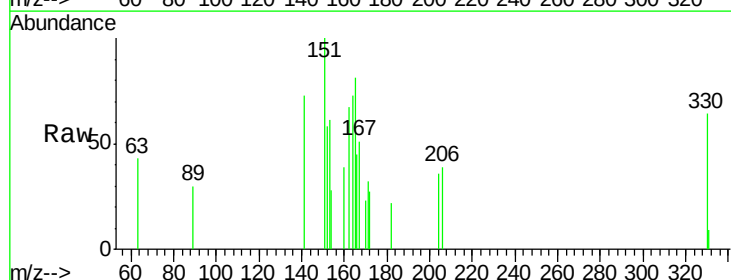
Tgt Ion:330 Resp: 1110

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

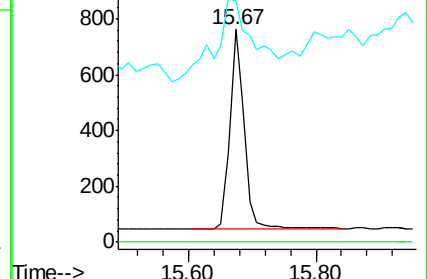
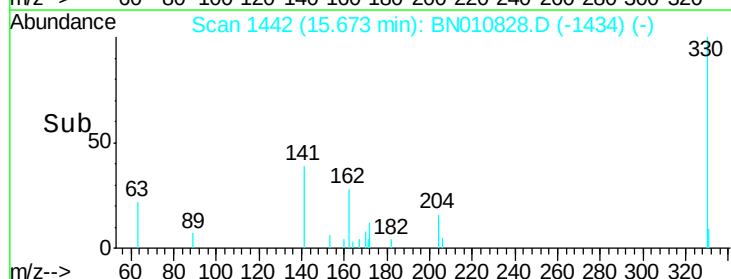
141 66.1 33.2 49.8#

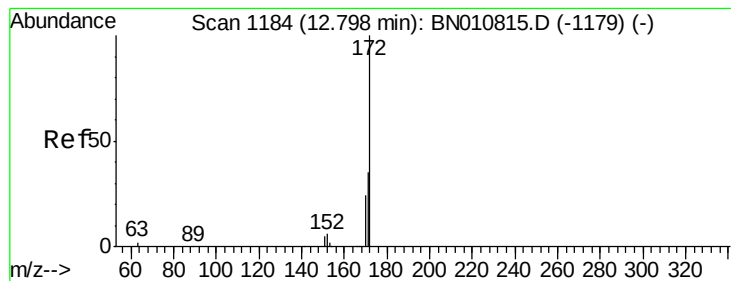


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.312 ng

RT: 12.80 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

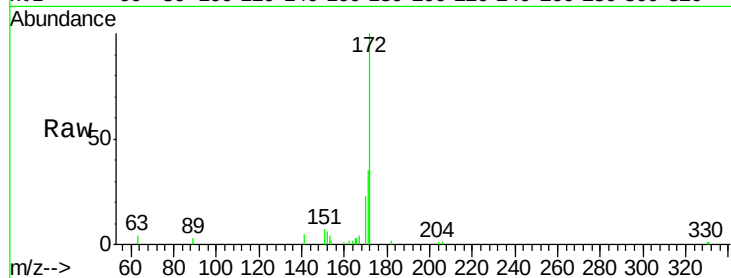
Tot Ion:172 Resp: 9077

Ion Ratio Lower Upper

172 100

171 34.9 28.5 42.7

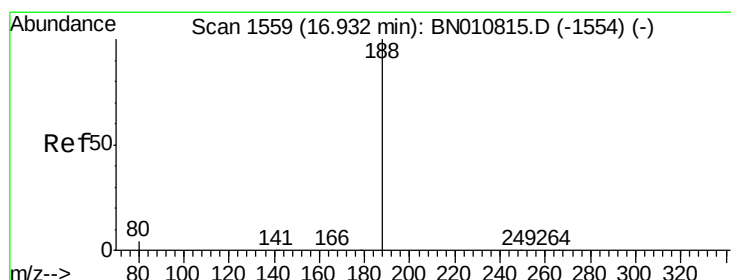
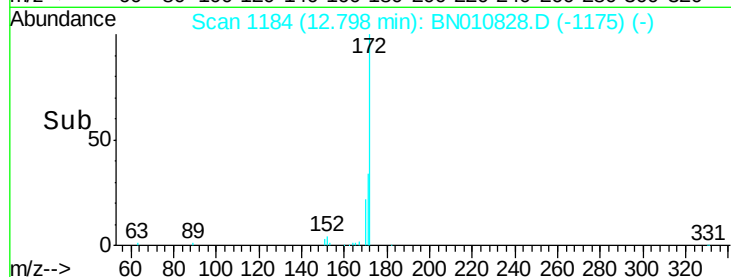
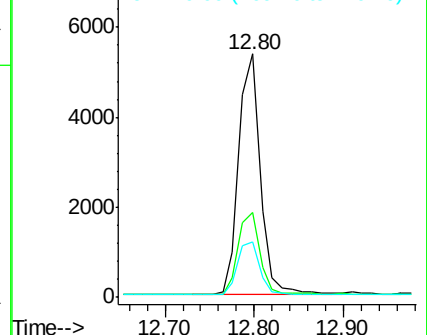
170 22.9 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

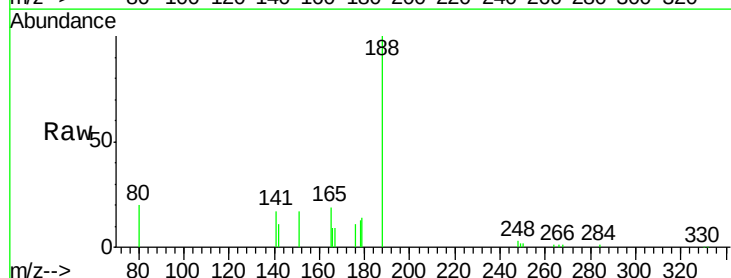
Tgt Ion:188 Resp: 15004

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

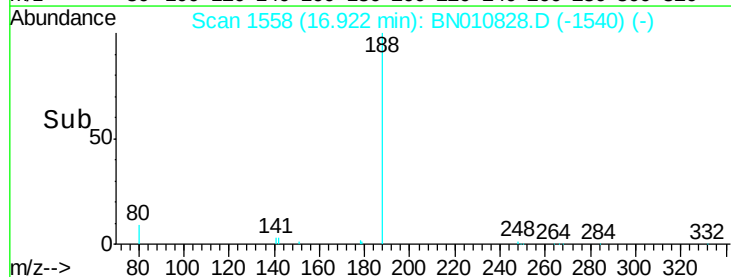
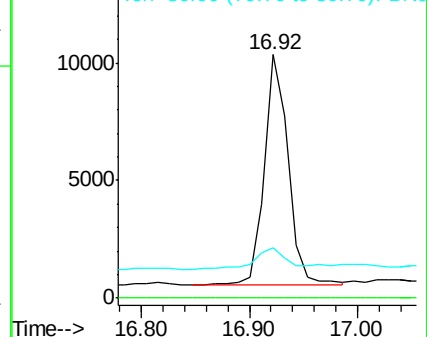
80 20.5 4.5 6.7#

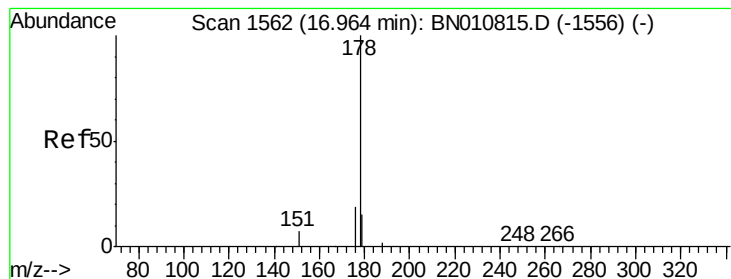


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.044 ng

RT: 16.96 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

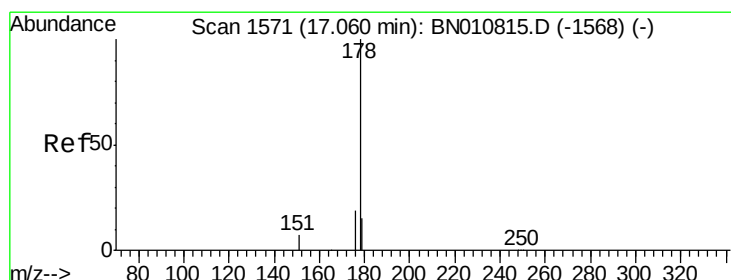
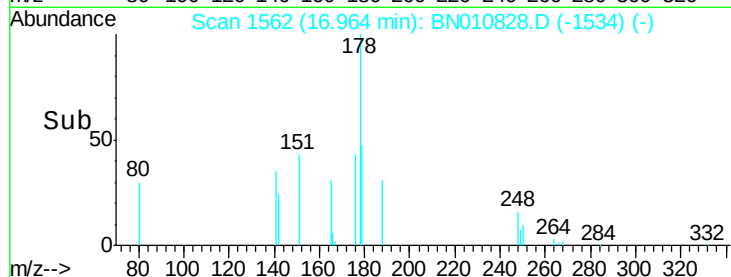
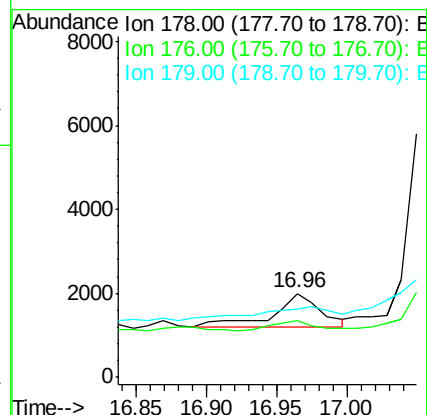
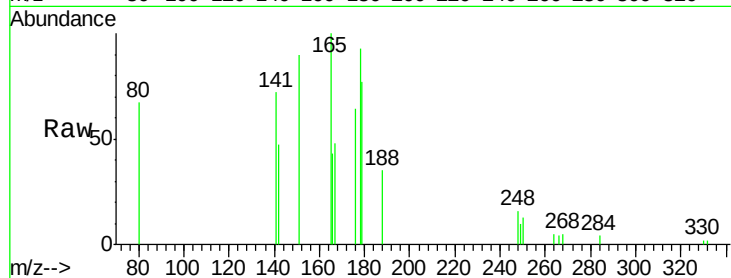
Tot Ion:178 Resp: 1823

Ion Ratio Lower Upper

178 100

176 30.5 15.3 22.9#

179 79.1 12.6 19.0#



#24

Anthracene

Concen: 0.267 ng

RT: 17.06 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

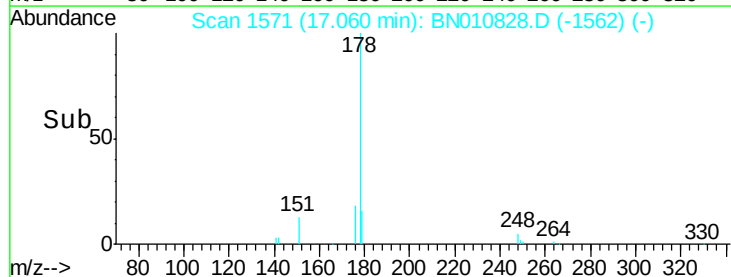
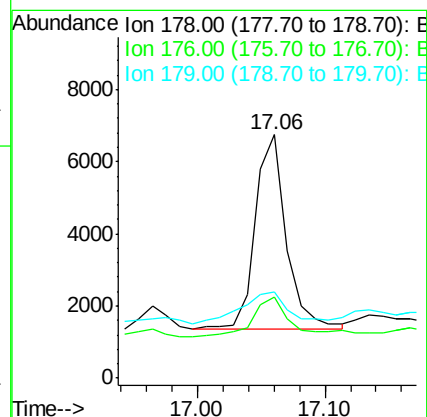
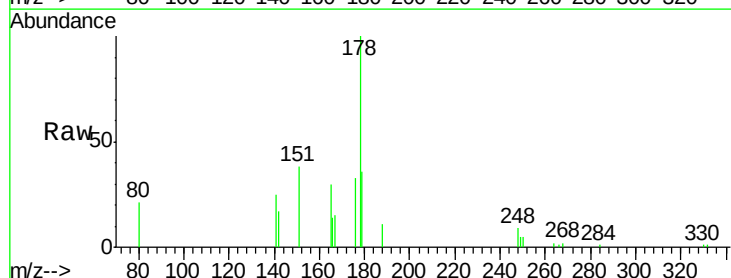
Tgt Ion:178 Resp: 9121

Ion Ratio Lower Upper

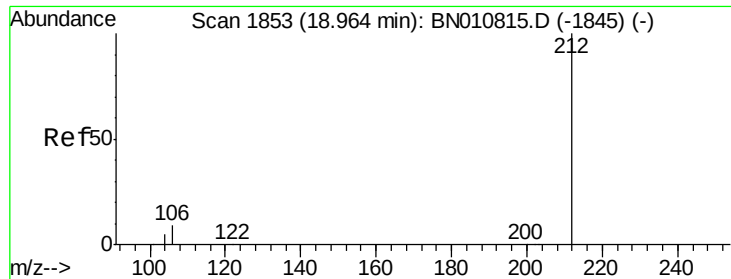
178 100

176 21.9 14.6 22.0

179 24.2 12.3 18.5#







#25

Fluoranthene-d10

Concen: 0.370 ng

RT: 18.96 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

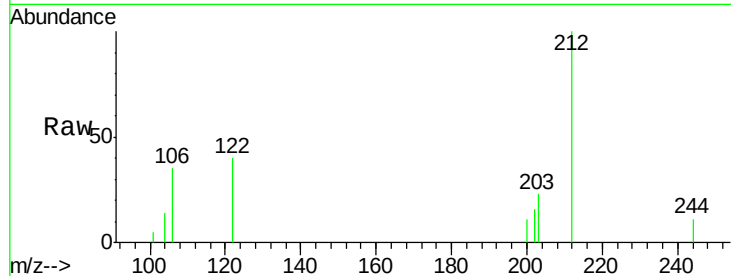
Tot Ion:212 Resp: 15311

Ion Ratio Lower Upper

212 100

106 12.4 6.6 10.0#

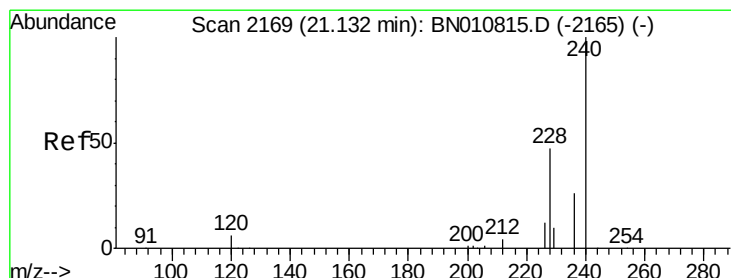
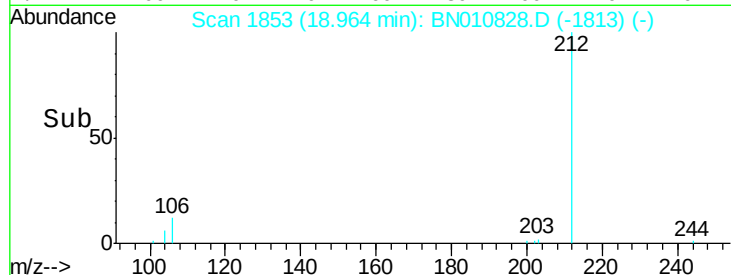
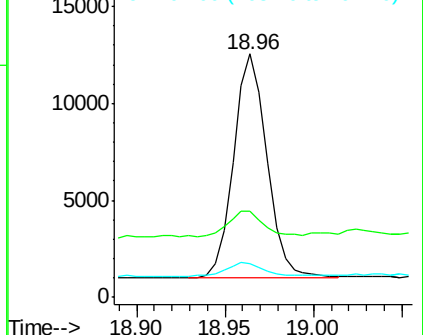
104 6.4 4.0 6.0#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.13 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

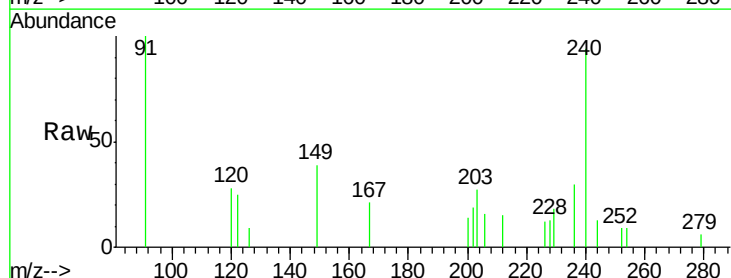
Tgt Ion:240 Resp: 14930

Ion Ratio Lower Upper

240 100

120 30.1 7.5 11.3#

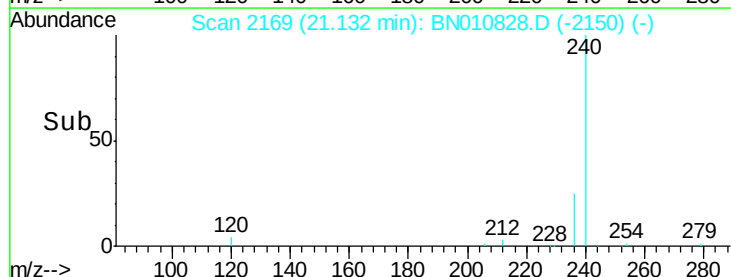
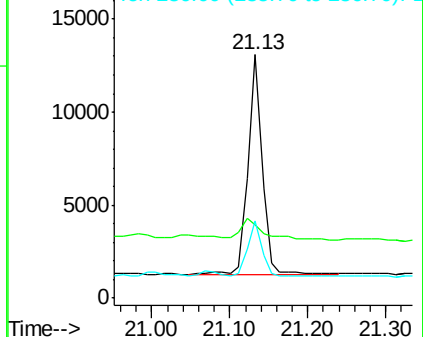
236 32.0 22.3 33.5

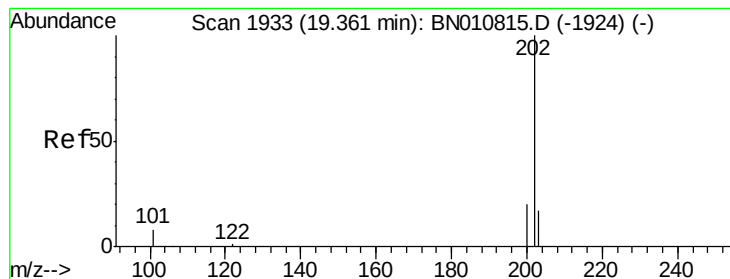


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.085 ng

RT: 19.36 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

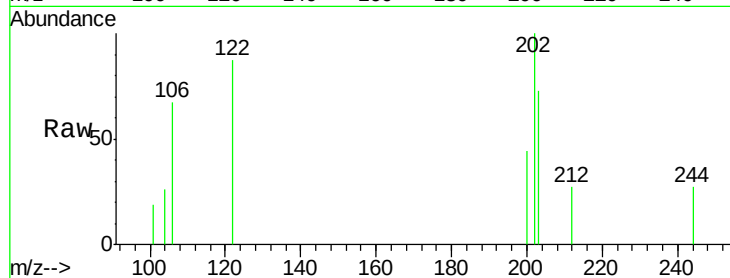
Tot Ion:202 Resp: 4219

Ion Ratio Lower Upper

202 100

200 25.7 16.4 24.6#

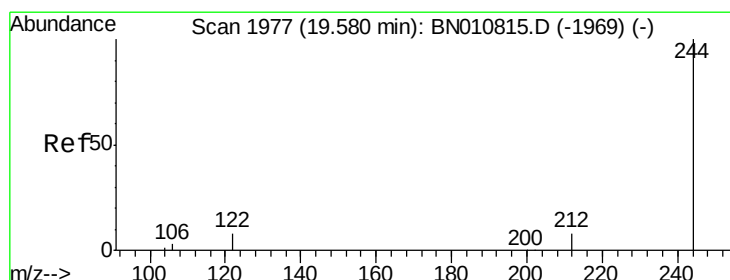
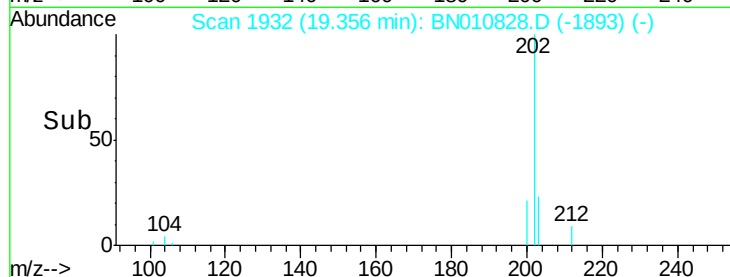
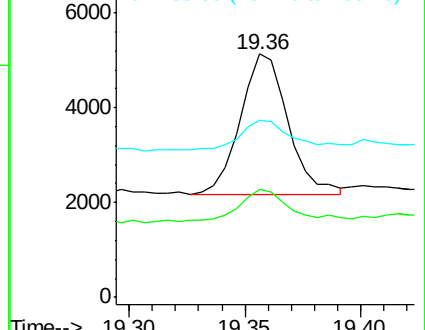
203 24.0 14.2 21.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.369 ng

RT: 19.58 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BN010828.D

Acq: 10 Jun 2020 21:39

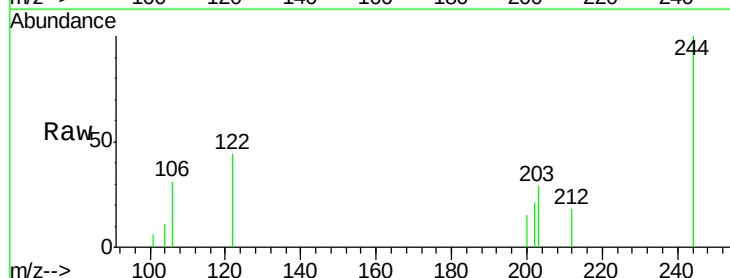
Tgt Ion:244 Resp: 12883

Ion Ratio Lower Upper

244 100

212 18.2 7.4 11.2#

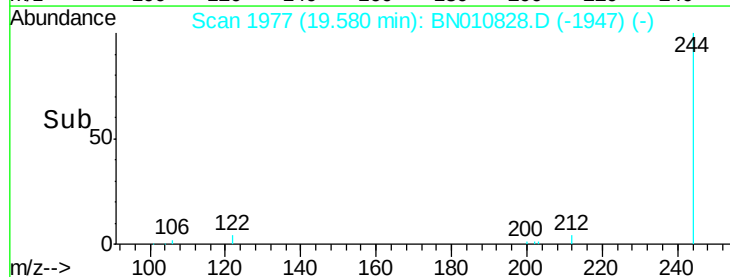
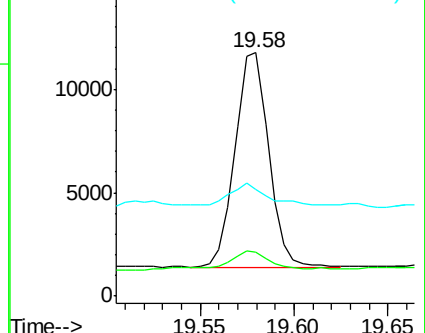
122 43.8 7.5 11.3#

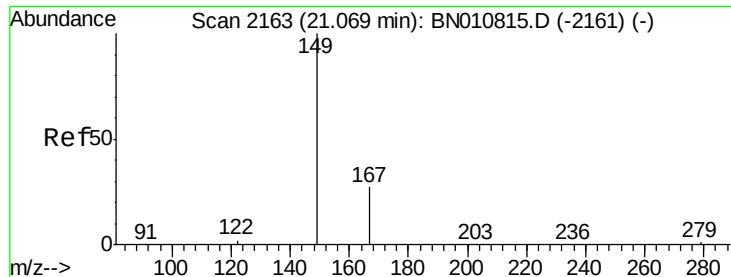


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

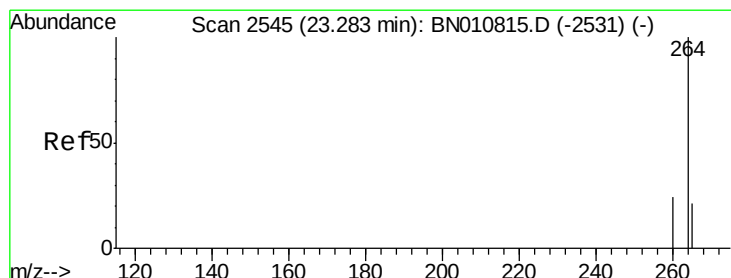
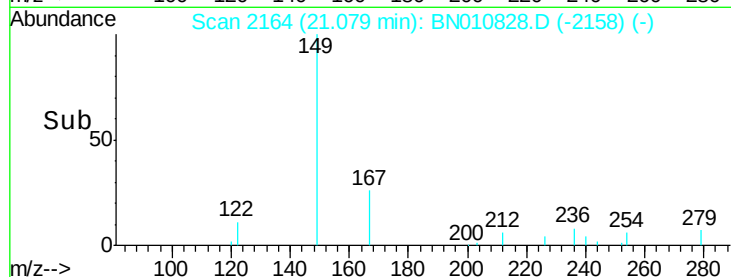
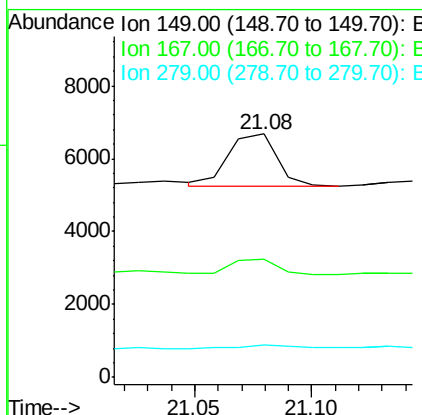
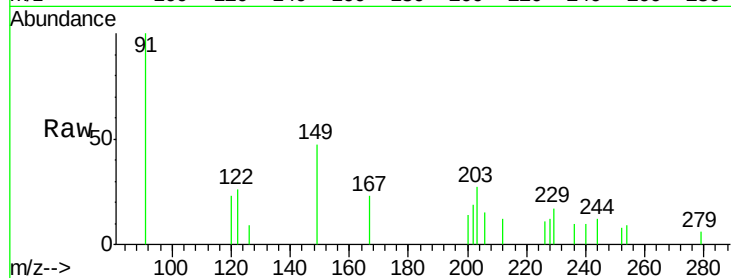




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.146 ng  
 RT: 21.08 min Scan# 2164  
 Delta R.T. 0.01 min  
 Lab File: BN010828.D  
 Acq: 10 Jun 2020 21:39

Instrument :  
 BNA\_N  
 ClientSampleId :  
 VE-4-11

Tot Ion:149 Resp: 2143  
 Ion Ratio Lower Upper  
 149 100  
 167 29.0 24.1 36.1  
 279 6.2 4.6 7.0



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.28 min Scan# 2545  
 Delta R.T. 0.00 min  
 Lab File: BN010828.D  
 Acq: 10 Jun 2020 21:39

Tgt Ion:264 Resp: 15919  
 Ion Ratio Lower Upper  
 264 100  
 260 28.6 20.4 30.6  
 265 68.7 75.0 112.4#

