

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061120\  
 Data File : BN010835.D  
 Acq On : 11 Jun 2020 12:08  
 Operator : CG/JU  
 Sample : L2904-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jun 11 13:01:50 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

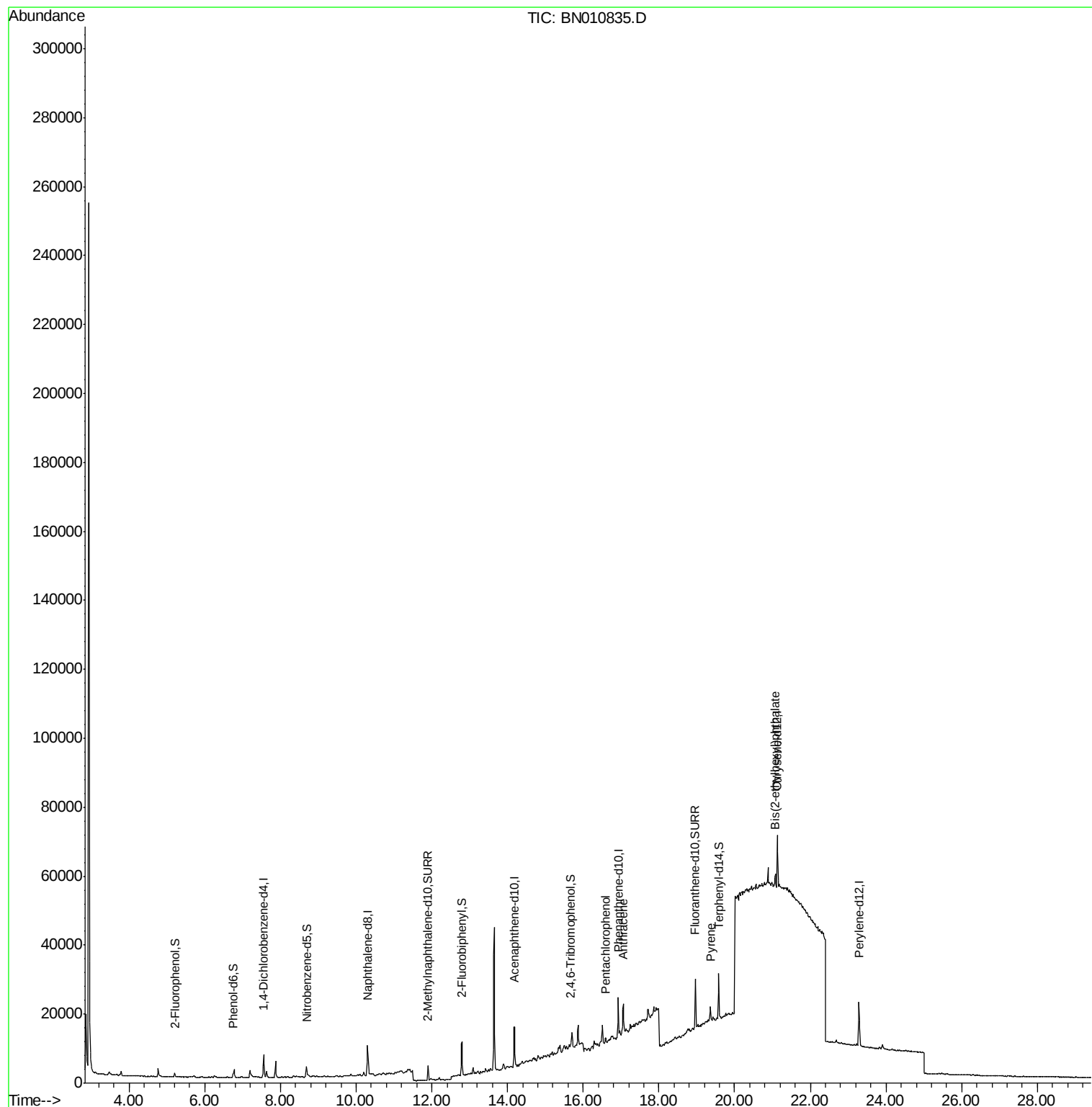
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.56  | 152  | 3355     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.30 | 136  | 12232    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.18 | 164  | 7973     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.92 | 188  | 15640    | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.13 | 240  | 14879    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.29 | 264  | 15638    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.21  | 112  | 1064     | 0.16  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.75  | 99   | 755      | 0.10  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.69  | 82   | 3357     | 0.37  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.90 | 152  | 6222     | 0.33  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.67 | 330  | 1194     | 0.42  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 12.80 | 172  | 9857     | 0.31  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.96 | 212  | 15452    | 0.36  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.58 | 244  | 13025    | 0.37  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 16.59 | 266  | 114      | 0.035 | ng    | # 76     |
| 24) Anthracene                 | 17.06 | 178  | 9605     | 0.269 | ng    | # 87     |
| 28) Pyrene                     | 19.36 | 202  | 4094     | 0.083 | ng    | # 83     |
| 32) Bis(2-ethylhexyl)phthalate | 21.08 | 149  | 2387     | 0.164 | ng    | # 91     |

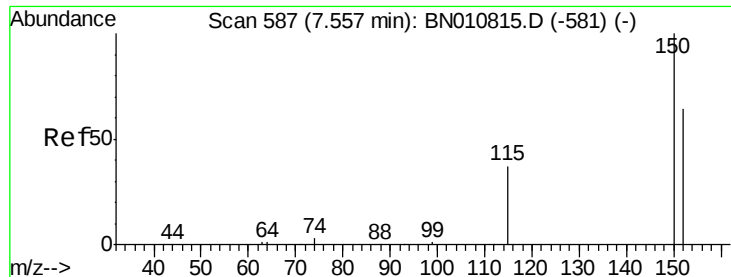
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061120\  
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Quant Time: Jun 11 13:01:50 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
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QLast Update : Wed Jun 10 15:14:26 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.56 min Scan# 587

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

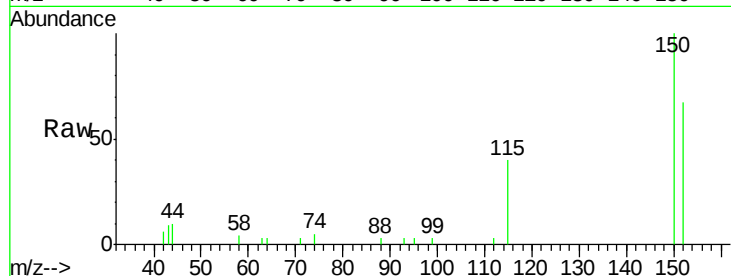
Tot Ion:152 Resp: 3355

Ion Ratio Lower Upper

152 100

150 148.8 123.8 185.6

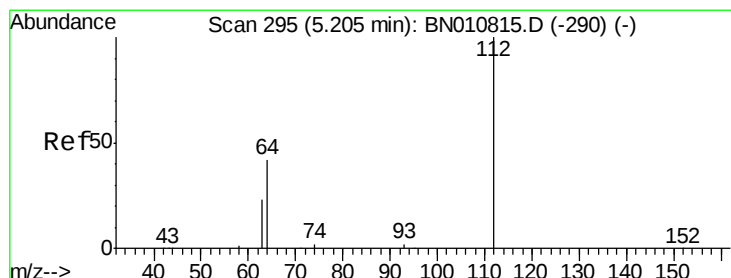
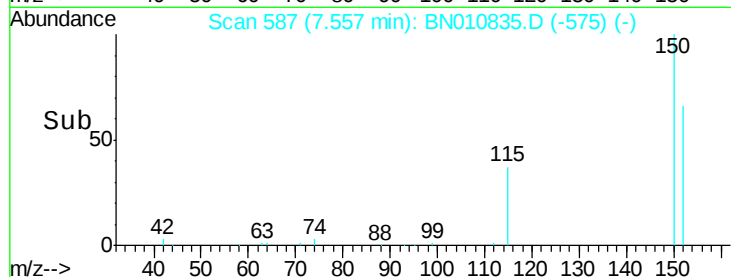
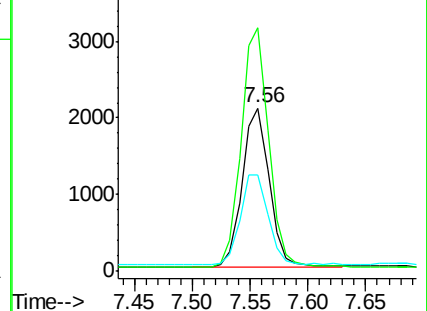
115 58.8 49.2 73.8



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: 0.164 ng

RT: 5.21 min Scan# 295

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

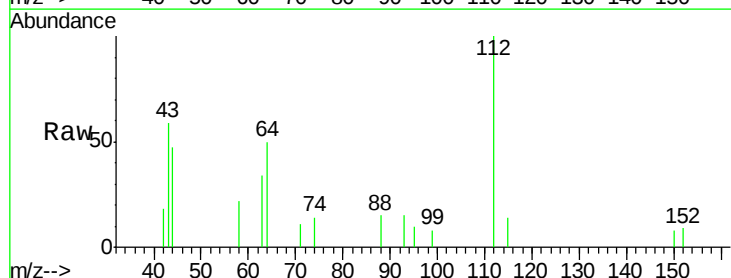
Tgt Ion:112 Resp: 1064

Ion Ratio Lower Upper

112 100

64 42.9 37.4 56.0

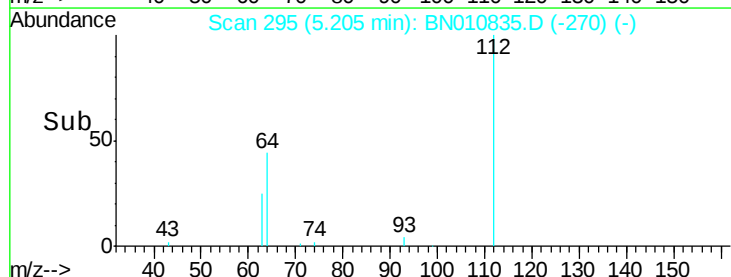
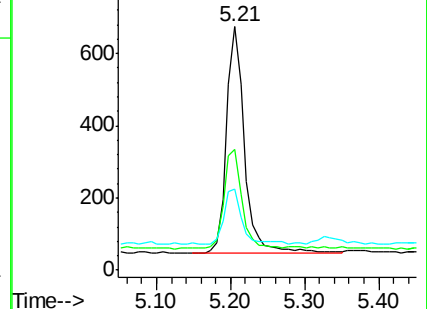
63 23.9 22.2 33.4

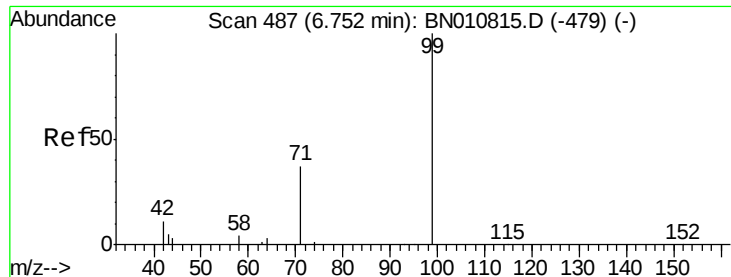


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.099 ng

RT: 6.75 min Scan# 487

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

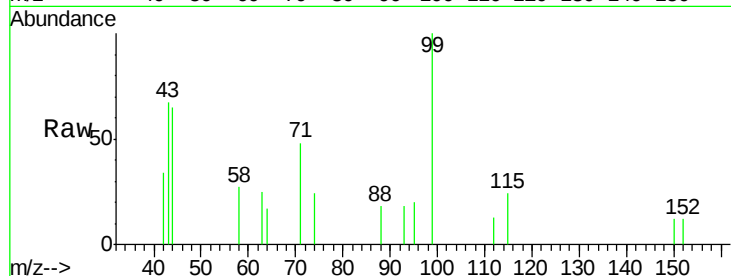
Tot Ion: 99 Resp: 755

Ion Ratio Lower Upper

99 100

42 30.2 11.1 16.7#

71 56.2 31.4 47.2#



Abundance Ion 99.00 (98.70 to 99.70): BN010815.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN010815.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN010815.D (-479) (-)

6.75

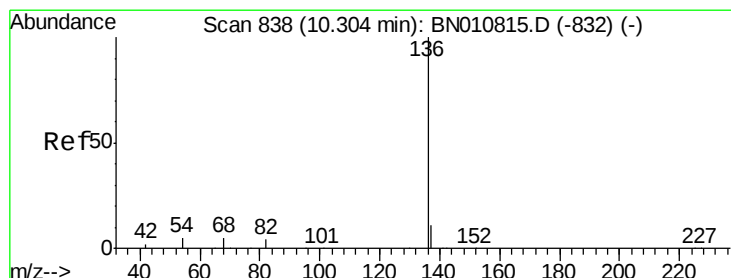
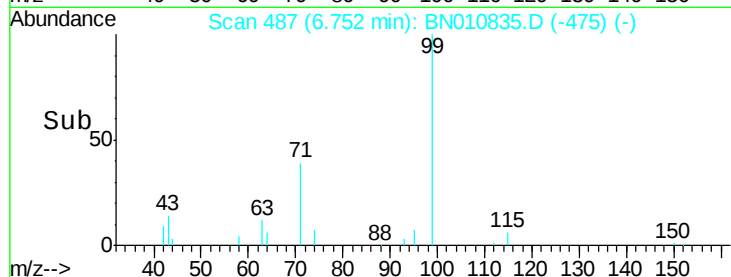
400

200

0

6.70 6.80

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Tgt Ion: 136 Resp: 12232

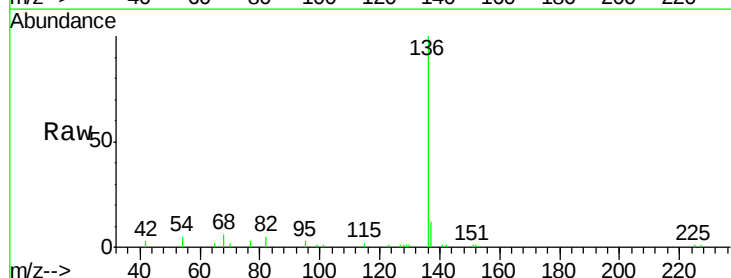
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 4.8 4.9 7.3#

68 6.1 4.7 7.1



Abundance Ion 136.00 (135.70 to 136.70): BN010815.D (-832) (-)

Ion 137.00 (136.70 to 137.70): BN010815.D (-832) (-)

Ion 54.00 (53.70 to 54.70): BN010815.D (-832) (-)

Ion 68.00 (67.70 to 68.70): BN010815.D (-832) (-)

10.30

10000

8000

6000

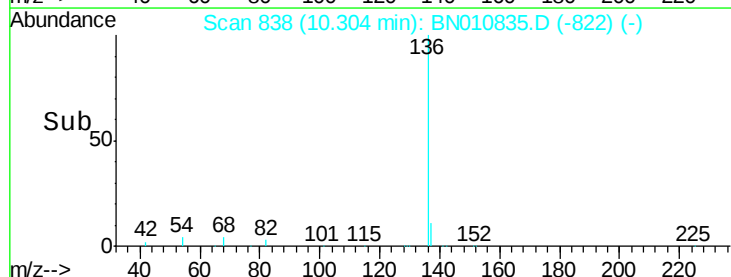
4000

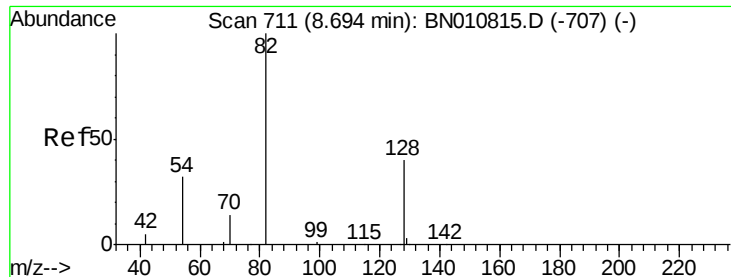
2000

0

10.20 10.30 10.40 10.50

Time-->

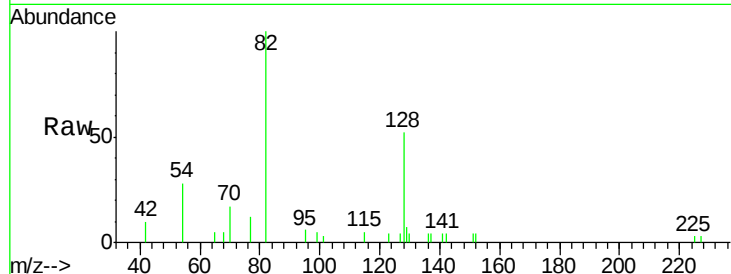




#8  
 Nitrobenzene-d5  
 Concen: 0.371 ng  
 RT: 8.69 min Scan# 711  
 Delta R.T. -0.00 min  
 Lab File: BN010835.D  
 Acq: 11 Jun 2020 12:08

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

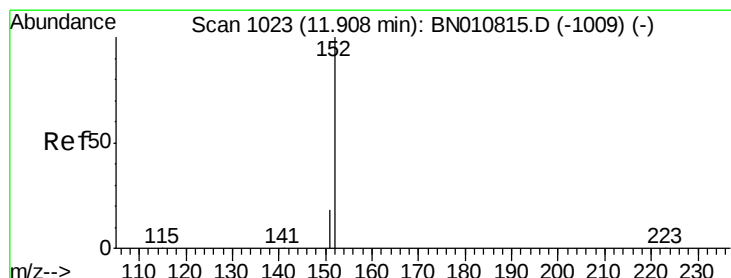
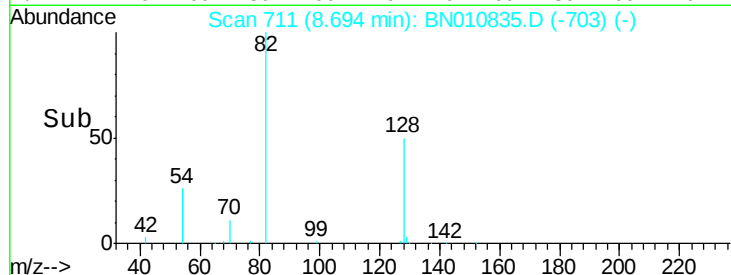
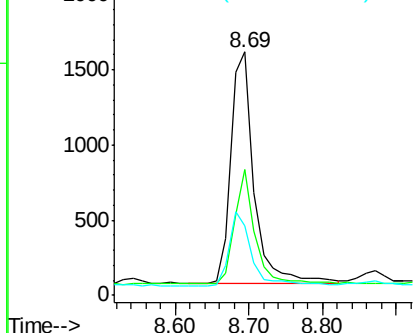
| Tot Ion   | 82   | Resp  | 3357  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 128       | 51.9 | 35.4  | 53.0  |
| 54        | 28.5 | 28.2  | 42.4  |



Abundance Ion 82.00 (81.70 to 82.70): BN010835.D (-707) (-)

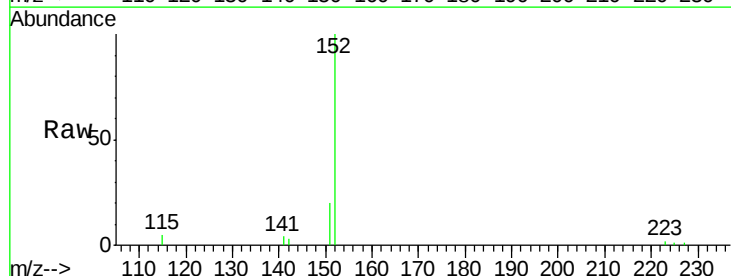
Ion 128.00 (127.70 to 128.70): BN010835.D (-707) (-)

Ion 54.00 (53.70 to 54.70): BN010835.D (-707) (-)



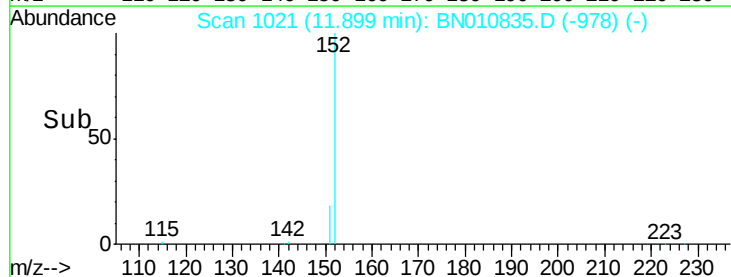
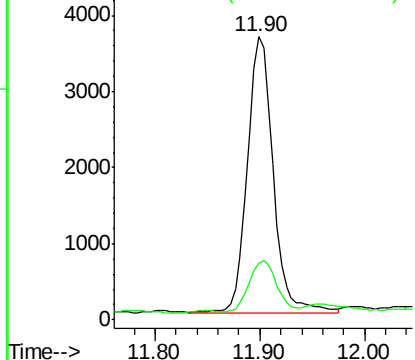
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.328 ng  
 RT: 11.90 min Scan# 1021  
 Delta R.T. -0.01 min  
 Lab File: BN010835.D  
 Acq: 11 Jun 2020 12:08

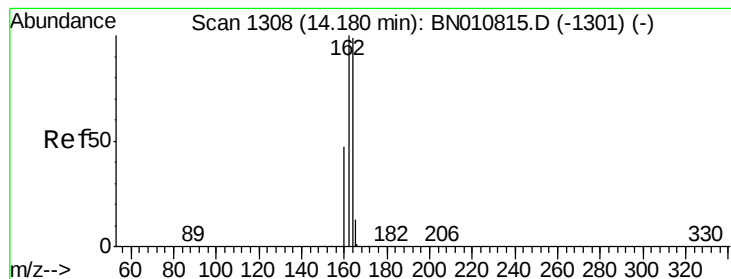
| Tgt Ion   | 152  | Resp  | 6222  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 151       | 19.4 | 15.3  | 22.9  |



Abundance Ion 152.00 (151.70 to 152.70): BN010835.D (-978) (-)

Ion 151.00 (150.70 to 151.70): BN010835.D (-978) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.18 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

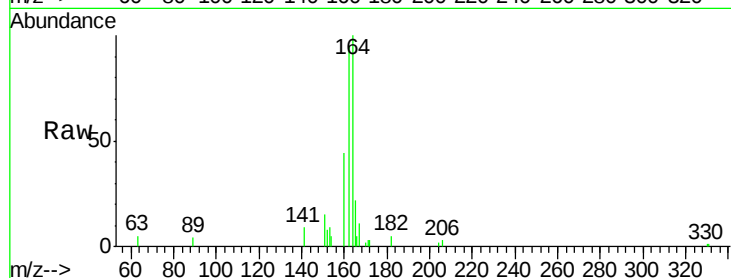
Tot Ion:164 Resp: 7973

Ion Ratio Lower Upper

164 100

162 94.8 81.0 121.6

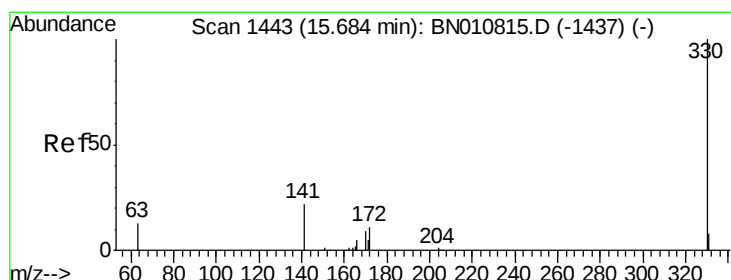
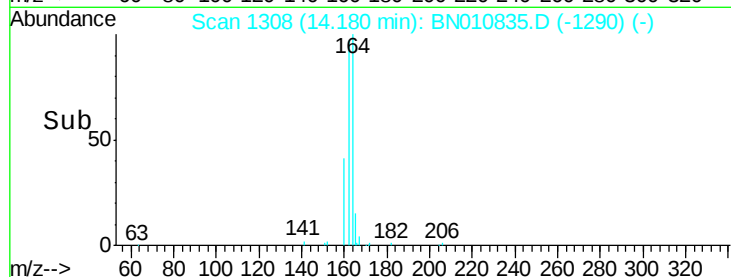
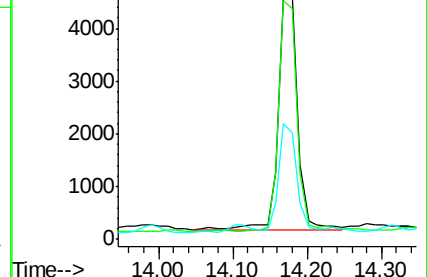
160 43.8 38.9 58.3



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: 0.419 ng

RT: 15.67 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

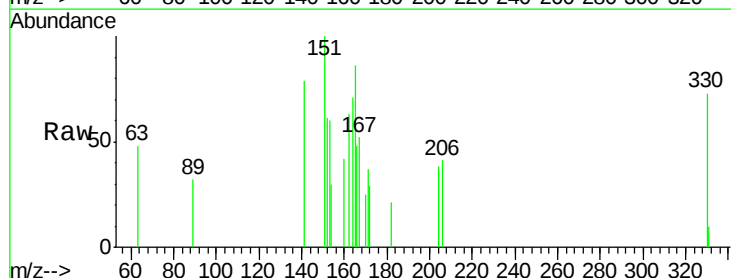
Tgt Ion:330 Resp: 1194

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

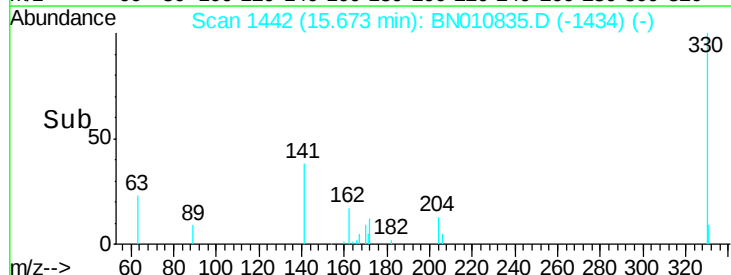
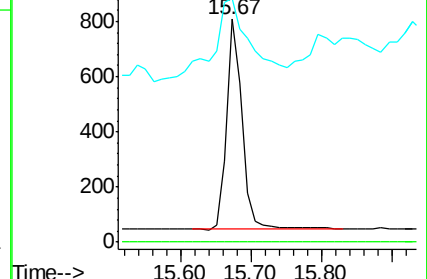
141 65.0 33.2 49.8#

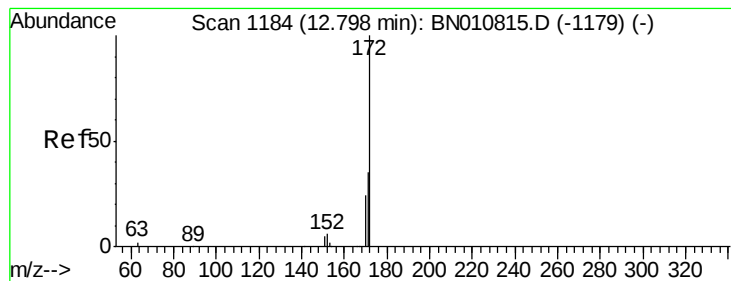


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.313 ng

RT: 12.80 min Scan# 1184

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

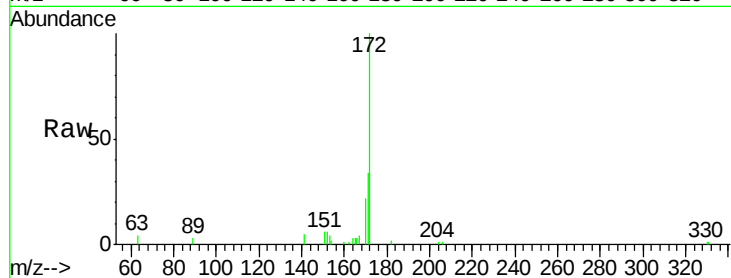
Tot Ion:172 Resp: 9857

Ion Ratio Lower Upper

172 100

171 33.9 28.5 42.7

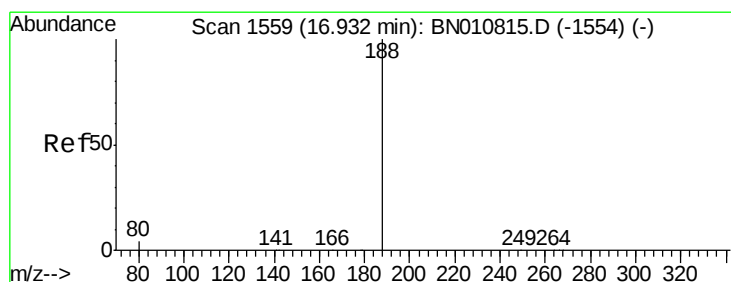
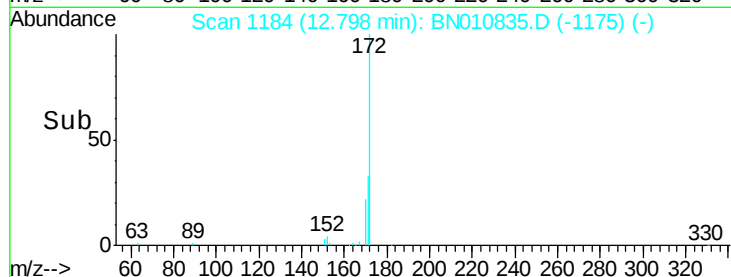
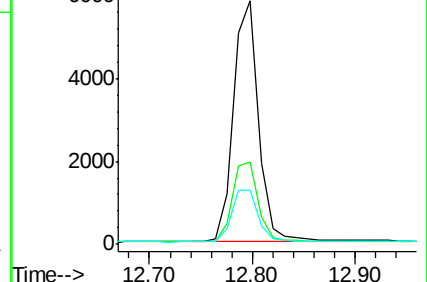
170 22.4 19.7 29.5



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: BN010835.D

Acq: 11 Jun 2020 12:08

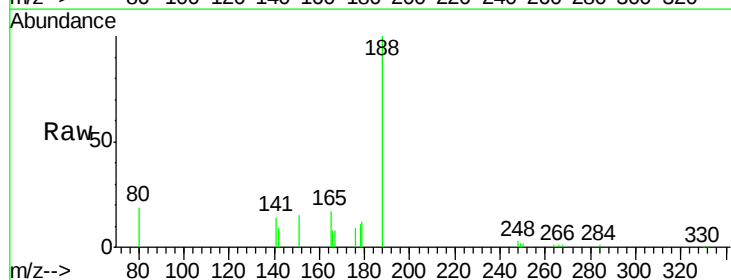
Tgt Ion:188 Resp: 15640

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

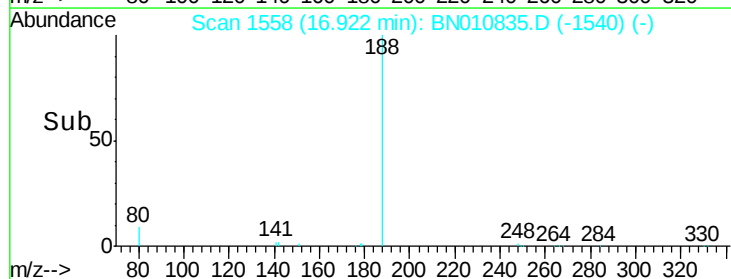
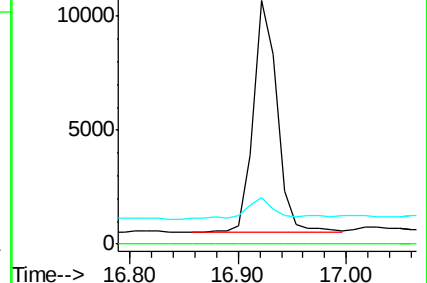
80 19.2 4.5 6.7#

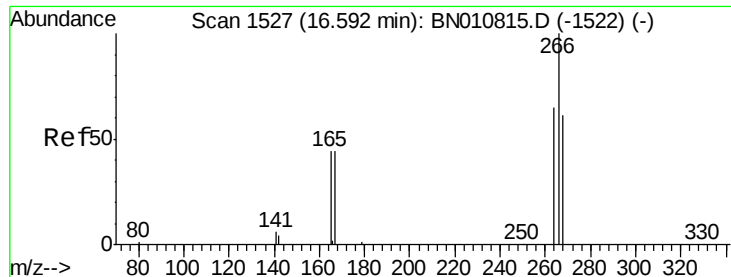


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

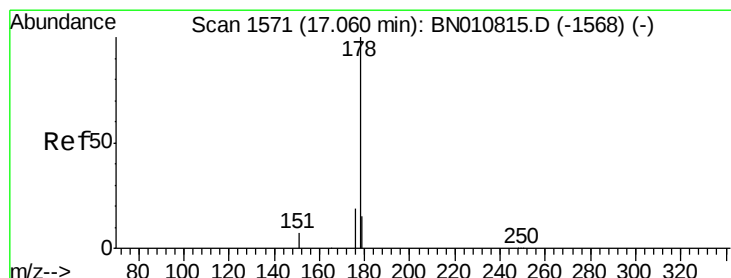
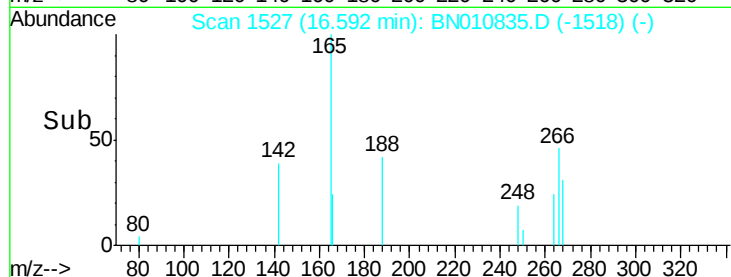
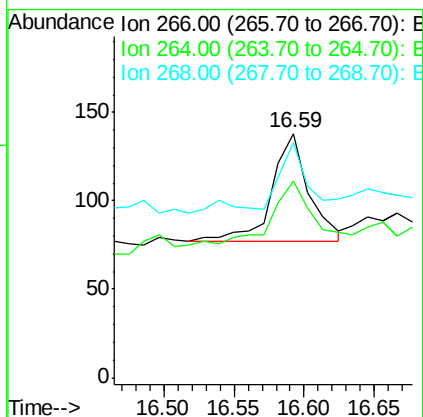
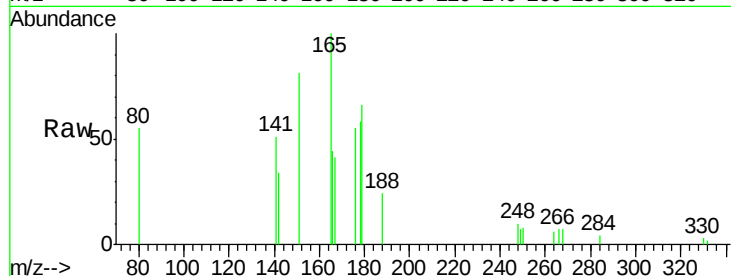




#22  
 Pentachlorophenol  
 Concen: 0.035 ng  
 RT: 16.59 min Scan# 1527  
 Delta R.T. -0.00 min  
 Lab File: BN010835.D  
 Acq: 11 Jun 2020 12:08

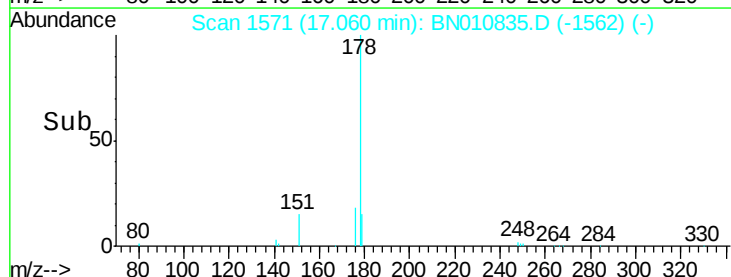
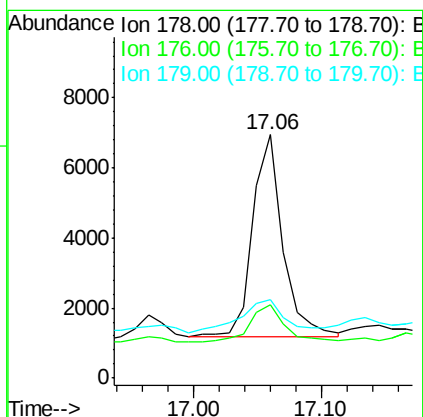
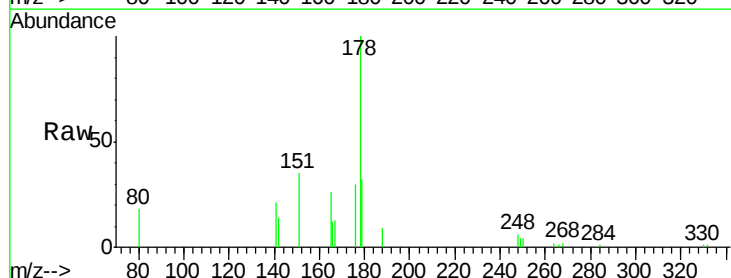
Instrument :  
 BNA\_N  
 ClientSampled :  
 VE-4-11

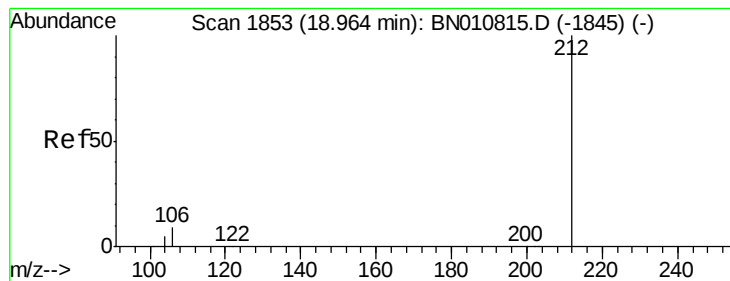
Tot Ion:266 Resp: 114  
 Ion Ratio Lower Upper  
 266 100  
 264 80.4 54.8 82.2  
 268 96.4 55.9 83.9#



#24  
 Anthracene  
 Concen: 0.269 ng  
 RT: 17.06 min Scan# 1571  
 Delta R.T. -0.00 min  
 Lab File: BN010835.D  
 Acq: 11 Jun 2020 12:08

Tgt Ion:178 Resp: 9605  
 Ion Ratio Lower Upper  
 178 100  
 176 22.3 14.6 22.0#  
 179 23.0 12.3 18.5#





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 18.96 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

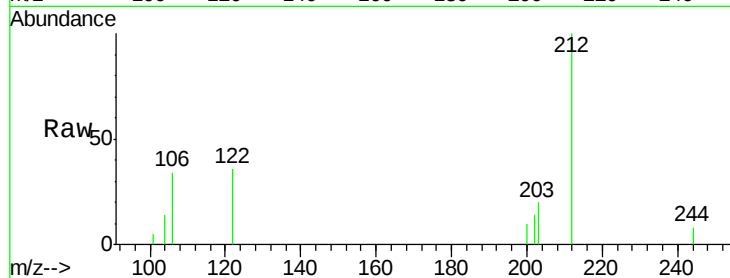
Tot Ion:212 Resp: 15452

Ion Ratio Lower Upper

212 100

106 14.3 6.6 10.0#

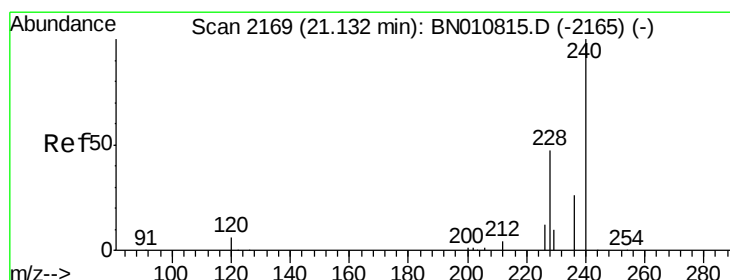
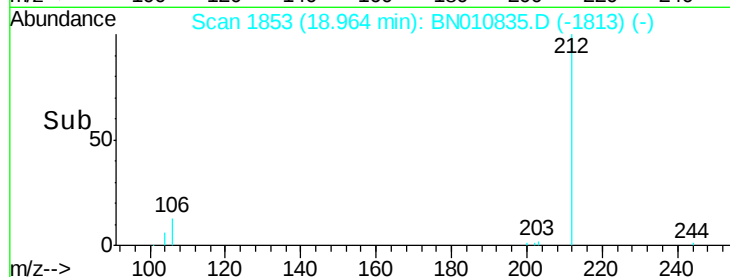
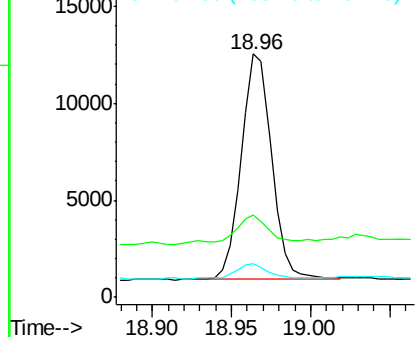
104 7.3 4.0 6.0#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.13 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

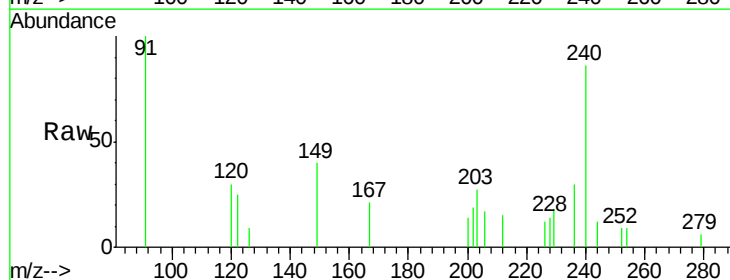
Tgt Ion:240 Resp: 14879

Ion Ratio Lower Upper

240 100

120 34.4 7.5 11.3#

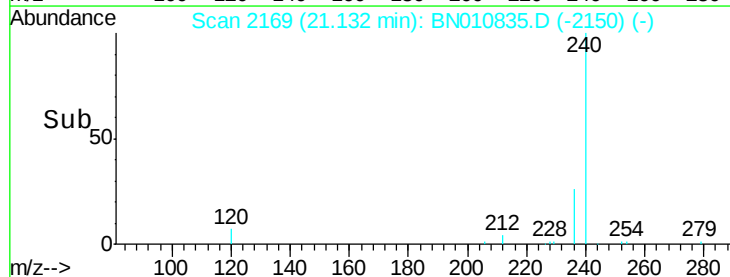
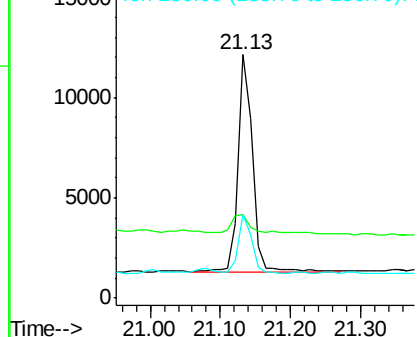
236 34.1 22.3 33.5#

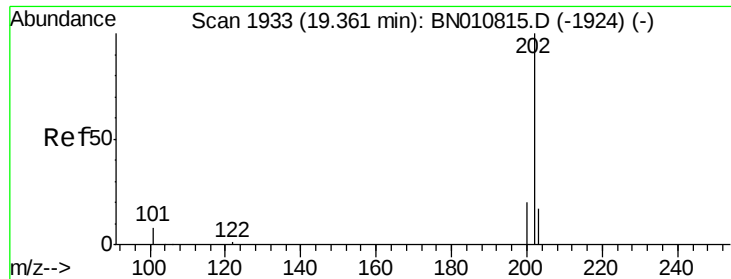


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

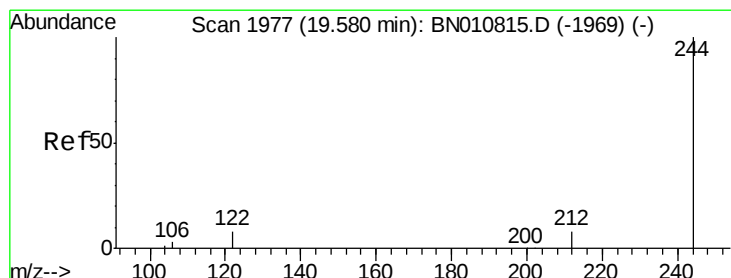
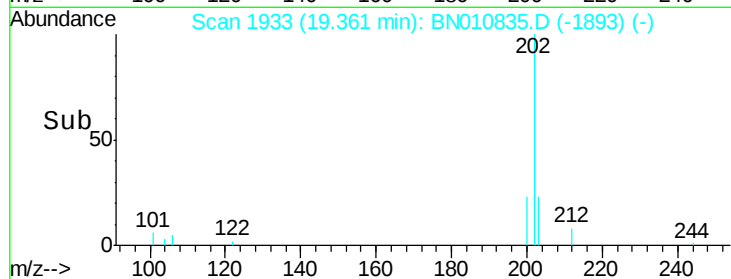
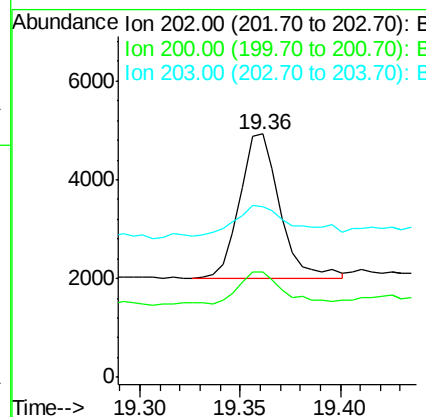
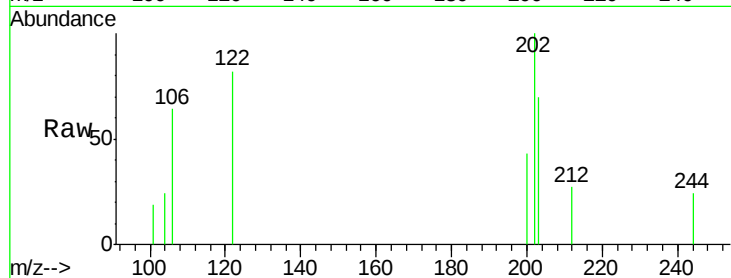




#28  
Pvrene  
Concen: 0.083 ng  
RT: 19.36 min Scan# 1933  
Delta R.T. -0.00 min  
Lab File: BN010835.D  
Acq: 11 Jun 2020 12:08

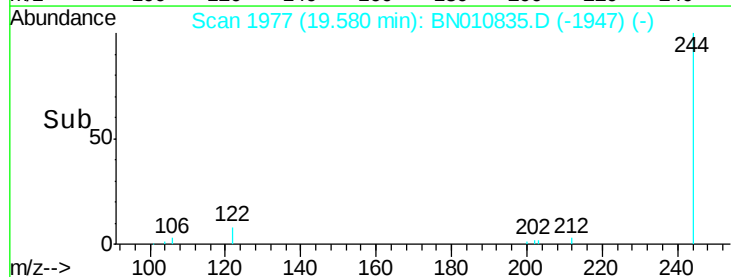
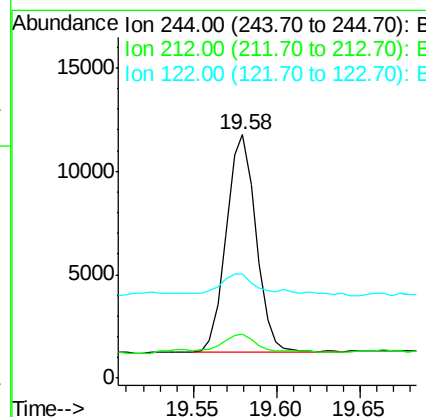
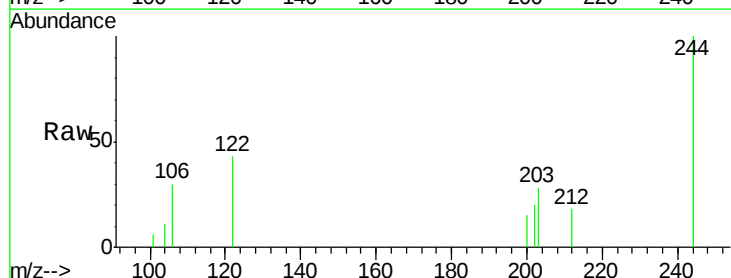
Instrument :  
BNA\_N  
ClientSampleId :  
VE-4-11

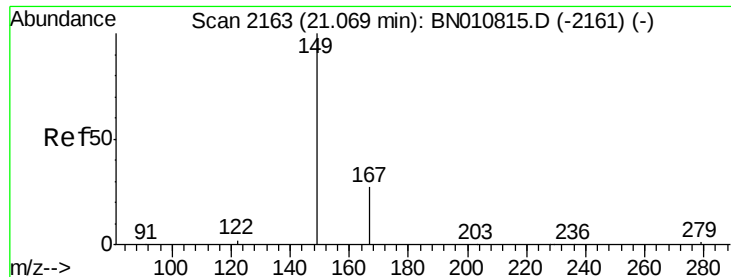
Tot Ion:202 Resp: 4094  
Ion Ratio Lower Upper  
202 100  
200 23.4 16.4 24.6  
203 30.7 14.2 21.4#



#29  
Terphenyl-d14  
Concen: 0.374 ng  
RT: 19.58 min Scan# 1977  
Delta R.T. -0.00 min  
Lab File: BN010835.D  
Acq: 11 Jun 2020 12:08

Tgt Ion:244 Resp: 13025  
Ion Ratio Lower Upper  
244 100  
212 18.1 7.4 11.2#  
122 42.6 7.5 11.3#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.164 ng

RT: 21.08 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA\_N

ClientSampleId :

VE-4-11

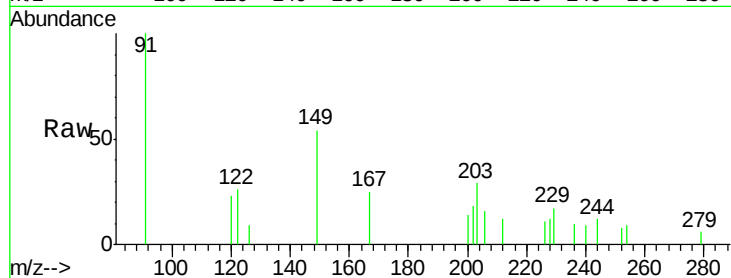
Tot Ion:149 Resp: 2387

Ion Ratio Lower Upper

149 100

167 35.1 24.1 36.1

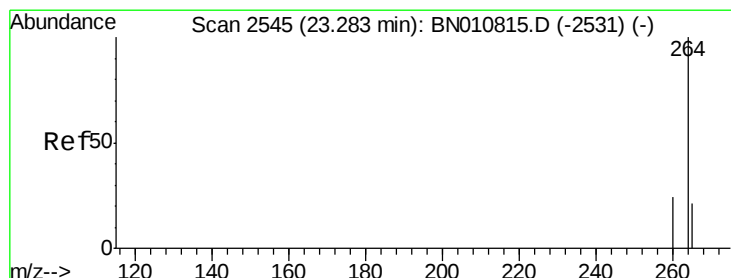
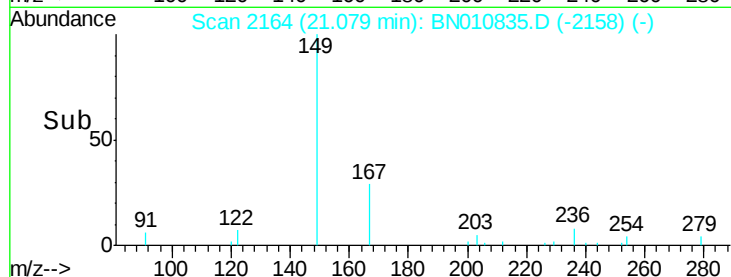
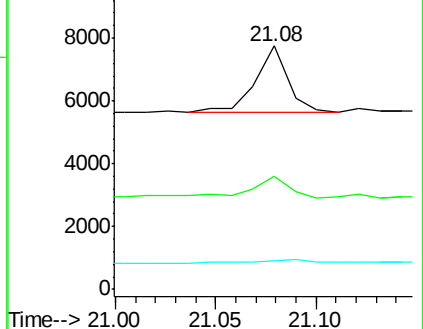
279 8.6 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.29 min Scan# 2546

Delta R.T. 0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

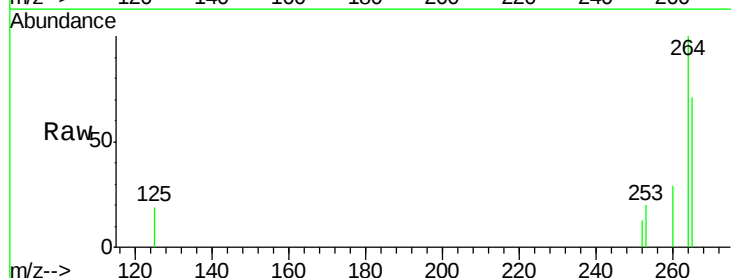
Tgt Ion:264 Resp: 15638

Ion Ratio Lower Upper

264 100

260 29.3 20.4 30.6

265 70.7 75.0 112.4#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

