

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\  
 Data File : BN009012.D  
 Acq On : 17 Dec 2019 12:29  
 Operator : JU  
 Sample : K6237-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 KY038PS027-191209

Quant Time: Dec 17 16:09:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 09 17:02:53 2019  
 Response via : Initial Calibration

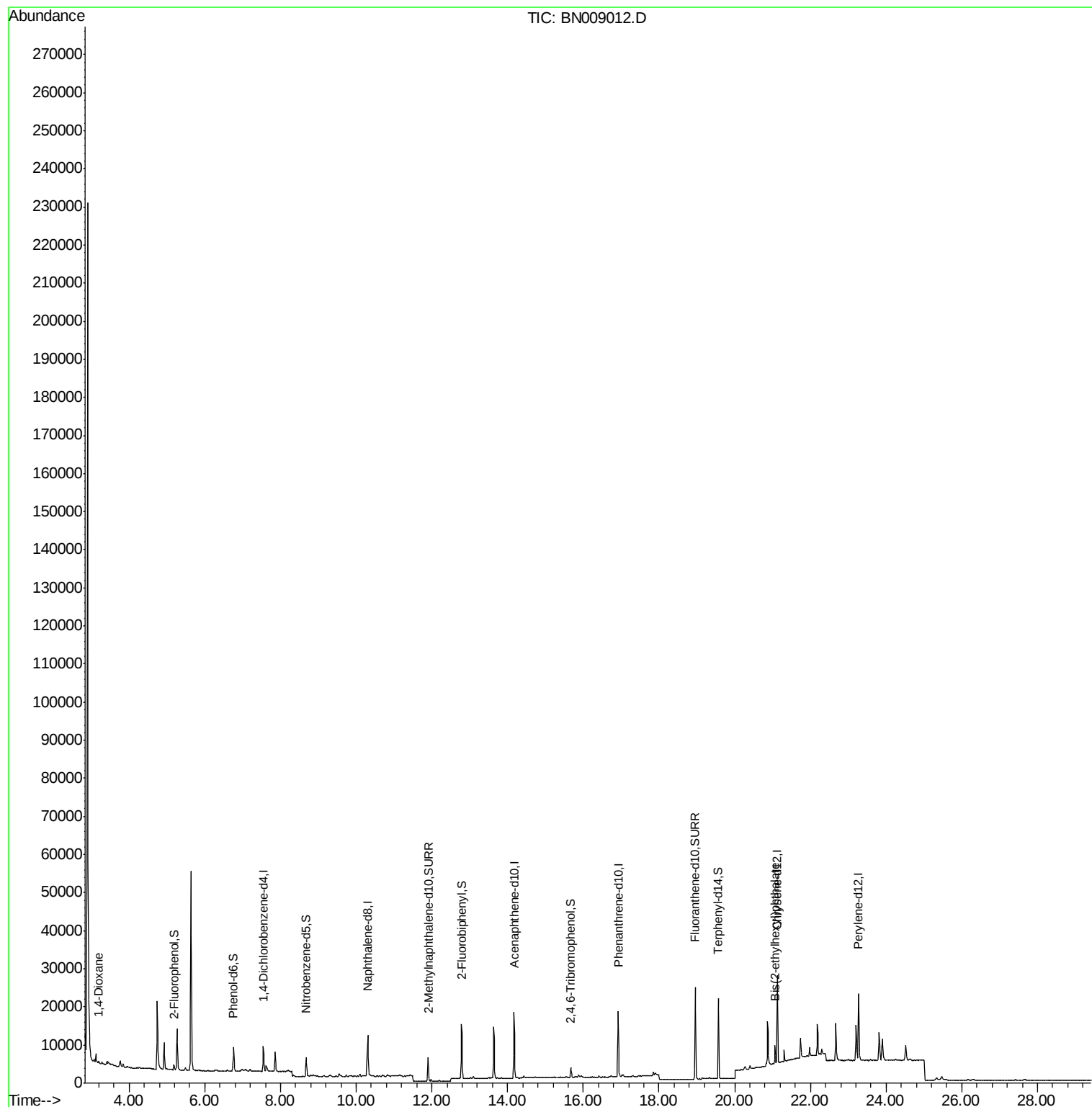
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.55  | 152  | 3183     | 0.40  | ng    | -0.02       |
| 7) Naphthalene-d8              | 10.30 | 136  | 13568    | 0.40  | ng    | -0.01       |
| 13) Acenaphthene-d10           | 14.17 | 164  | 9638     | 0.40  | ng    | -0.01       |
| 19) Phenanthrene-d10           | 16.92 | 188  | 23388    | 0.40  | ng    | -0.01       |
| 27) Chrysene-d12               | 21.12 | 240  | 22087    | 0.40  | ng    | -0.01       |
| 34) Perylene-d12               | 23.27 | 264  | 20380    | 0.40  | ng    | -0.01       |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.19  | 112  | 1217     | 0.15  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.74  | 99   | 1078     | 0.10  | ng    | -0.02       |
| 8) Nitrobenzene-d5             | 8.68  | 82   | 4014     | 0.35  | ng    | -0.01       |
| 11) 2-Methylnaphthalene-d10    | 11.90 | 152  | 8808     | 0.38  | ng    | -0.01       |
| 14) 2,4,6-Tribromophenol       | 15.67 | 330  | 1858     | 0.40  | ng    | -0.01       |
| 15) 2-Fluorobiphenyl           | 12.79 | 172  | 13210    | 0.36  | ng    | -0.02       |
| 25) Fluoranthene-d10           | 18.96 | 212  | 27026    | 0.38  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.57 | 244  | 20257    | 0.40  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.19  | 88   | 239      | 0.080 | ng    | Qvalue # 76 |
| 32) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 3940     | 0.107 | ng    | 99          |

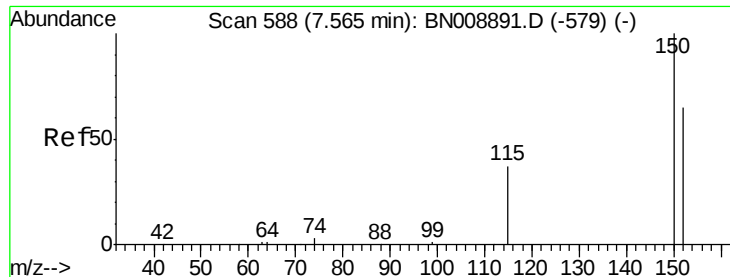
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\  
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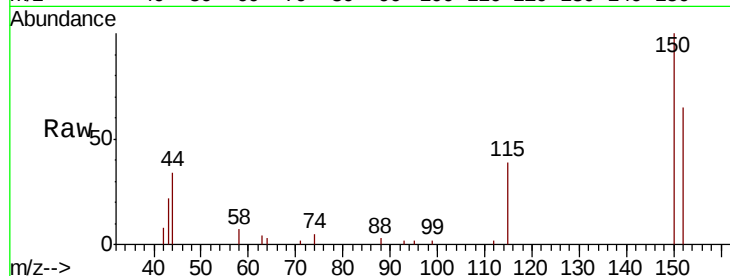


#1

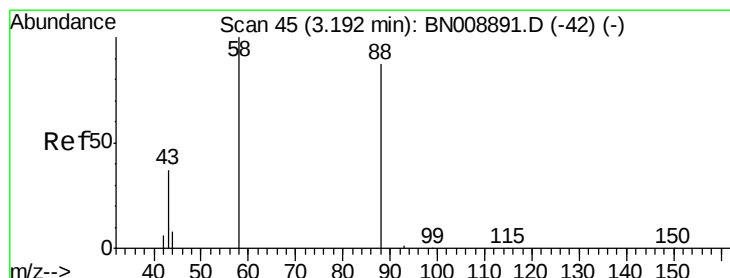
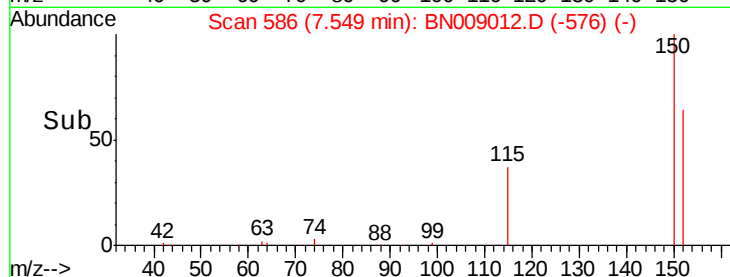
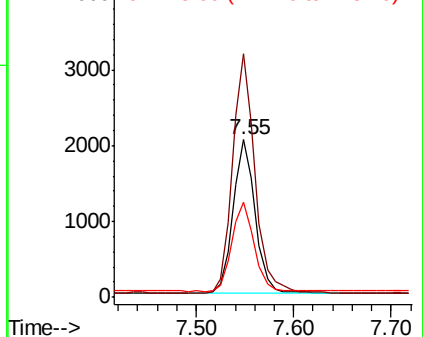
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.55 min Scan# 586  
Delta R.T. -0.02 min  
Lab File: BN009012.D  
Acq: 17 Dec 2019 12:29

Instrument :  
BNA\_N  
ClientSampleId :  
KY038PS027-191209

Tot Ion:152 Resp: 3183  
Ion Ratio Lower Upper  
152 100  
150 154.5 122.3 183.5  
115 60.6 48.4 72.6



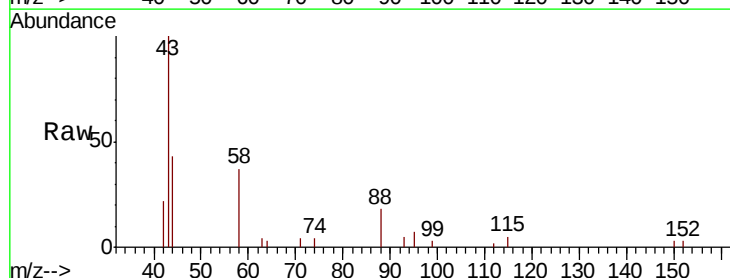
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



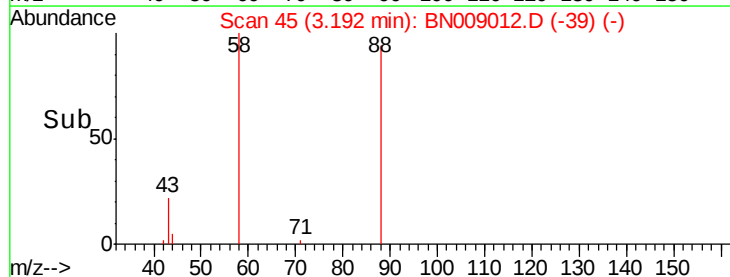
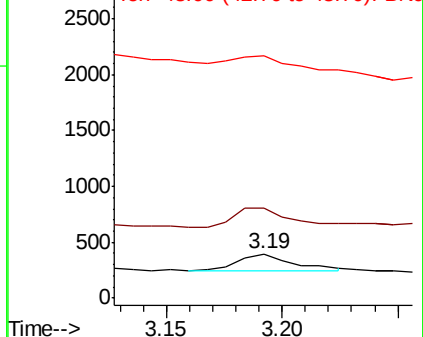
#2

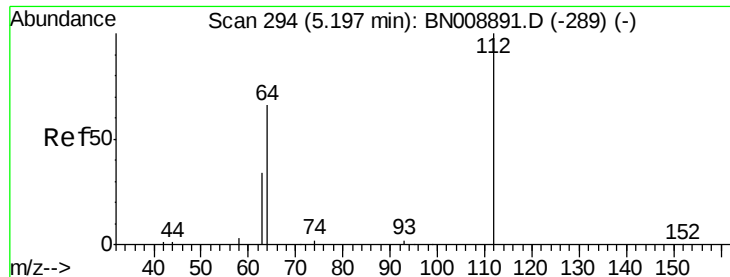
1,4-Dioxane  
Concen: 0.080 ng  
RT: 3.19 min Scan# 45  
Delta R.T. -0.00 min  
Lab File: BN009012.D  
Acq: 17 Dec 2019 12:29

Tgt Ion: 88 Resp: 239  
Ion Ratio Lower Upper  
88 100  
58 115.9 88.6 132.8  
43 86.6 31.8 47.8#



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





#4

2-Fluorophenol

Concen: 0.150 ng

RT: 5.19 min Scan# 293

Delta R.T. -0.01 min

Lab File: BN009012.D

Acq: 17 Dec 2019 12:29

Instrument :

BNA\_N

ClientSampleId :

KY038PS027-191209

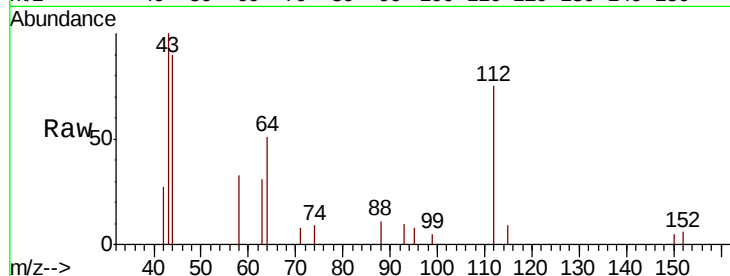
Tot Ion: 112 Resp: 1217

Ion Ratio Lower Upper

112 100

64 70.8 57.7 86.5

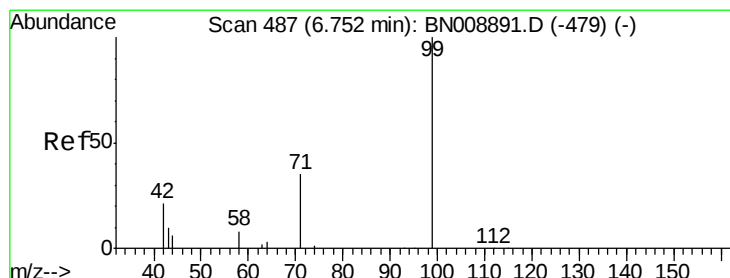
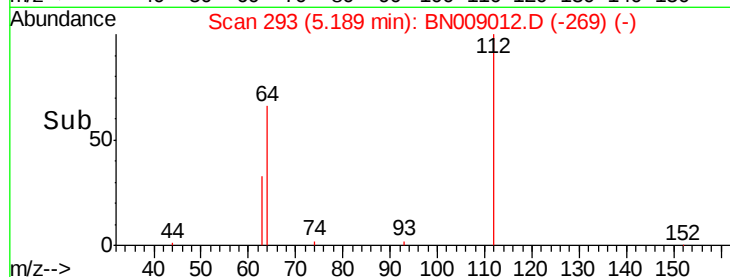
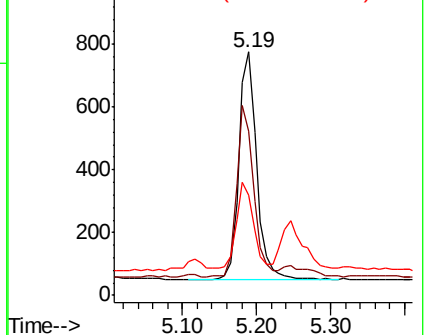
63 36.4 29.6 44.4



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.096 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.02 min

Lab File: BN009012.D

Acq: 17 Dec 2019 12:29

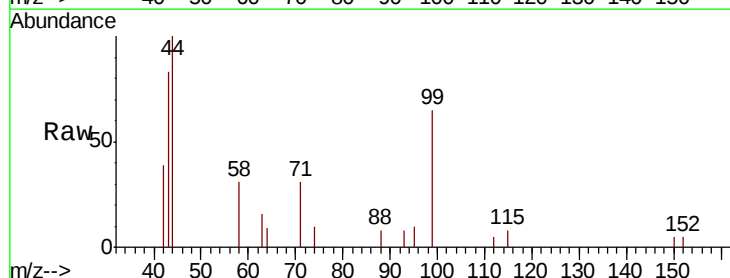
Tgt Ion: 99 Resp: 1078

Ion Ratio Lower Upper

99 100

42 0.0 20.1 30.1#

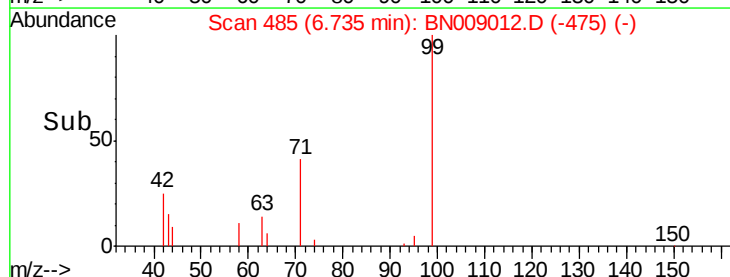
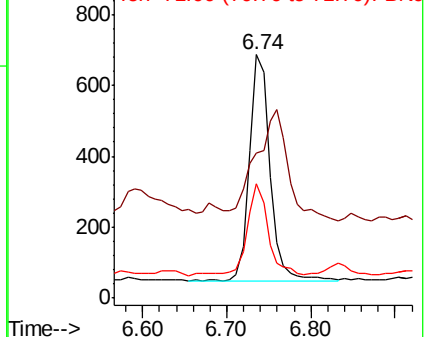
71 41.9 28.2 42.2

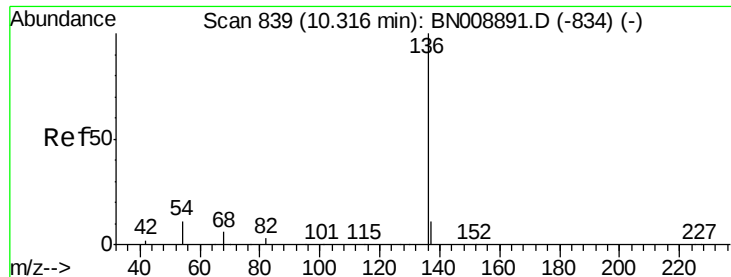


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. -0.01 min

Lab File: BN009012.D

Acq: 17 Dec 2019 12:29

Instrument :

BNA\_N

ClientSampleId :

KY038PS027-191209

Tot Ion:136 Resp: 13568

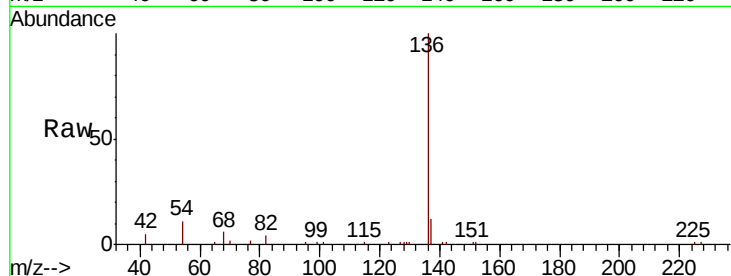
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 11.5 9.6 14.4

68 6.3 5.6 8.4

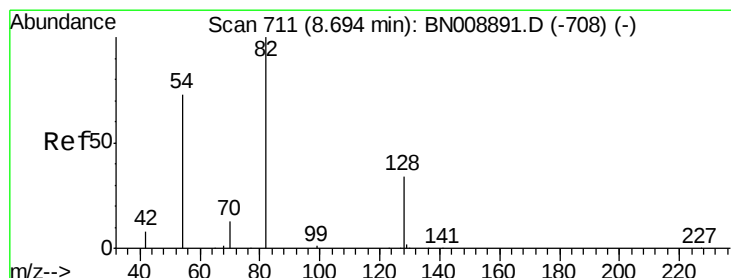
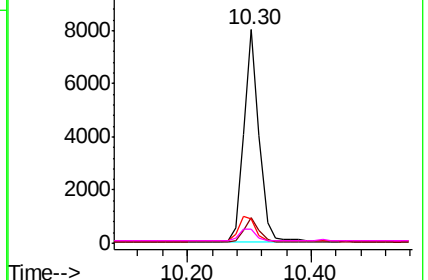
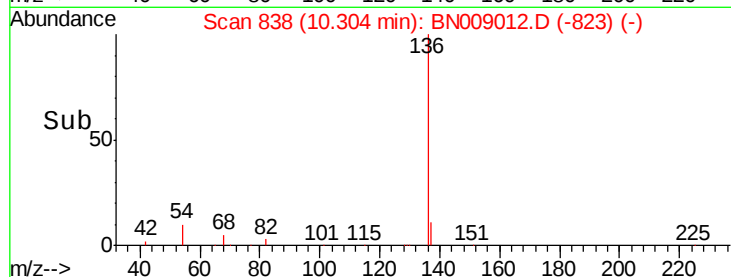


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.349 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.01 min

Lab File: BN009012.D

Acq: 17 Dec 2019 12:29

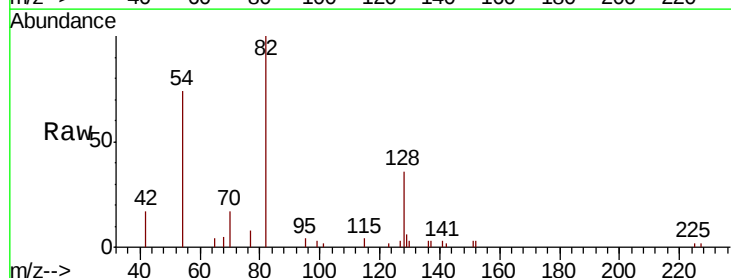
Tgt Ion: 82 Resp: 4014

Ion Ratio Lower Upper

82 100

128 36.5 29.1 43.7

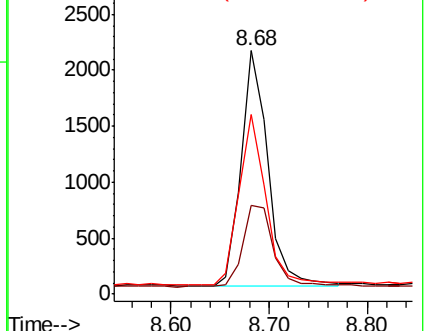
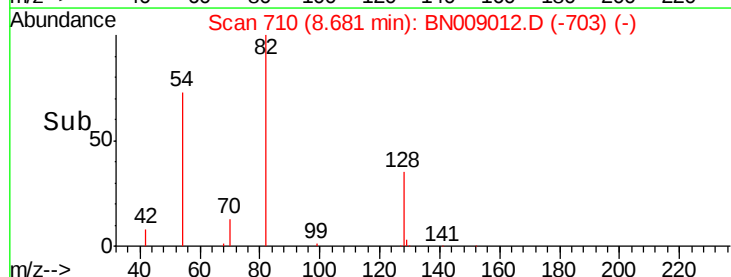
54 73.9 59.7 89.5

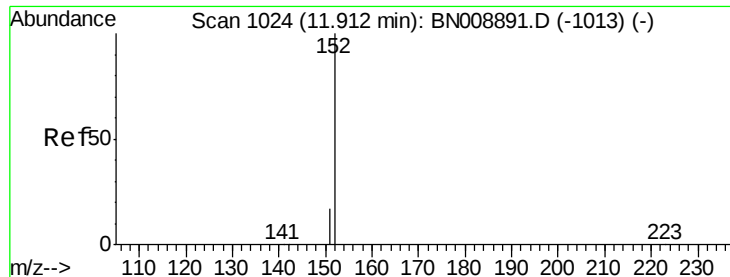


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

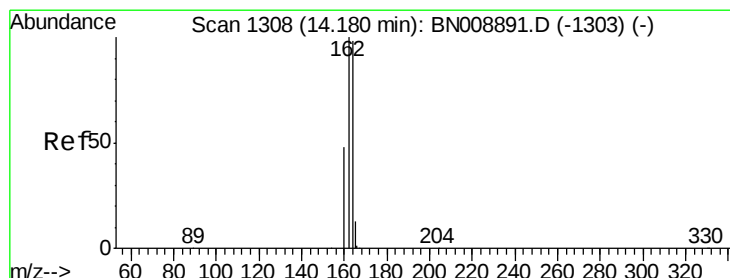
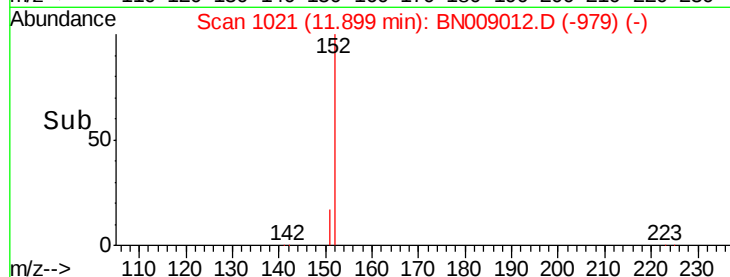
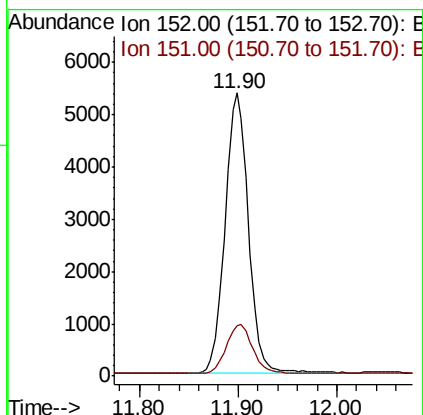
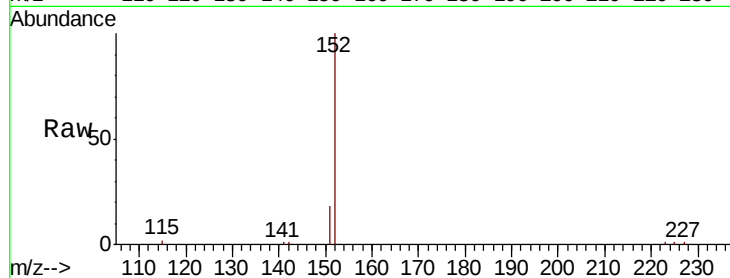




#11  
2-Methylnaphthalene-d10  
Concen: 0.380 ng  
RT: 11.90 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BN009012.D  
Acq: 17 Dec 2019 12:29

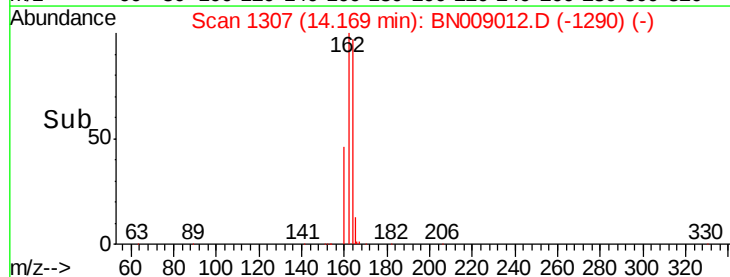
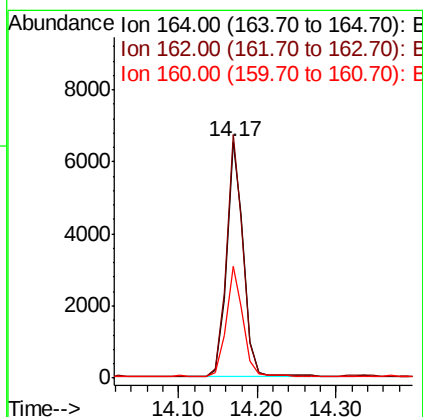
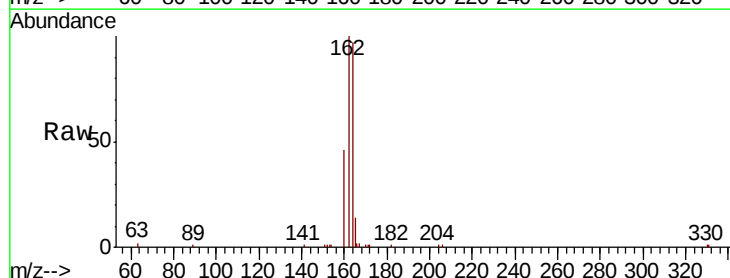
Instrument :  
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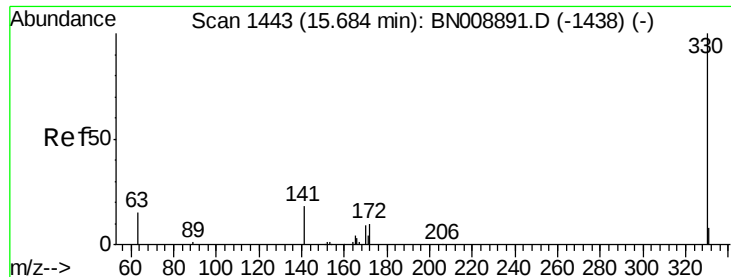
Tot Ion:152 Resp: 8808  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.2 22.8



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.17 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: BN009012.D  
Acq: 17 Dec 2019 12:29

Tgt Ion:164 Resp: 9638  
Ion Ratio Lower Upper  
164 100  
162 102.9 81.9 122.9  
160 47.4 39.3 58.9

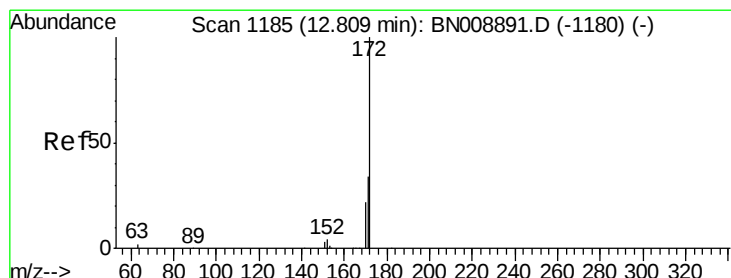
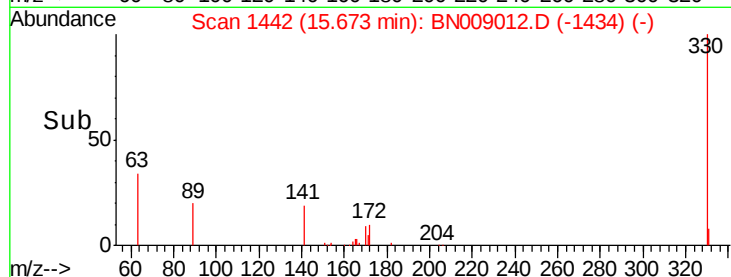
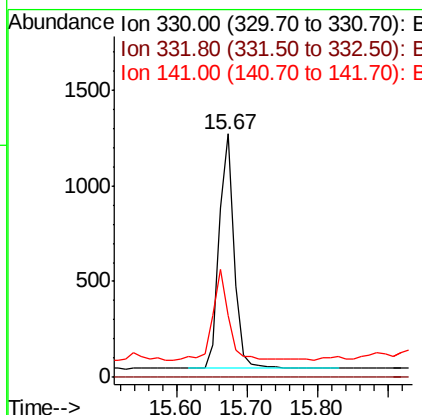
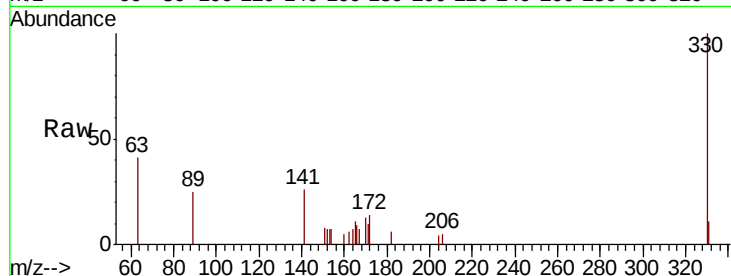




#14  
2,4,6-Tribromophenol  
Concen: 0.402 ng  
RT: 15.67 min Scan# 1442  
Delta R.T. -0.01 min  
Lab File: BN009012.D  
Acq: 17 Dec 2019 12:29

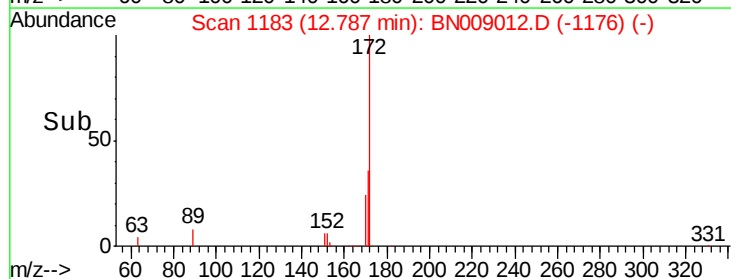
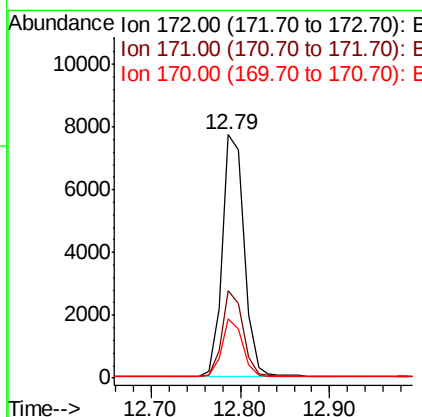
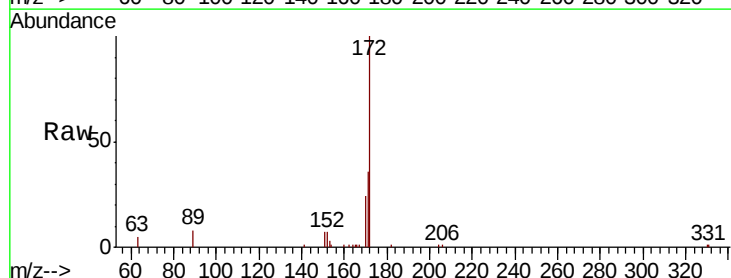
Instrument :  
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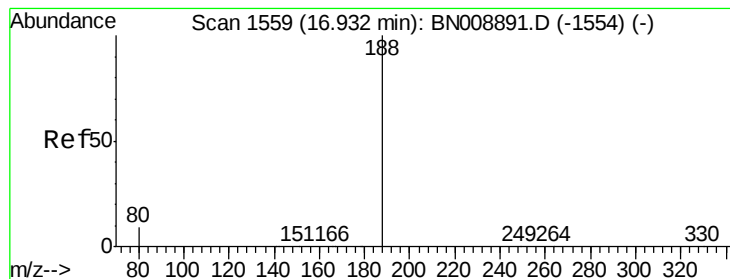
Tot Ion:330 Resp: 1858  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 40.5 29.6 44.4



#15  
2-Fluorobiphenyl  
Concen: 0.361 ng  
RT: 12.79 min Scan# 1183  
Delta R.T. -0.02 min  
Lab File: BN009012.D  
Acq: 17 Dec 2019 12:29

Tgt Ion:172 Resp: 13210  
Ion Ratio Lower Upper  
172 100  
171 36.0 27.1 40.7  
170 24.4 17.7 26.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN009012.D

Acq: 17 Dec 2019 12:29

Instrument :

BNA\_N

ClientSampleId :

KY038PS027-191209

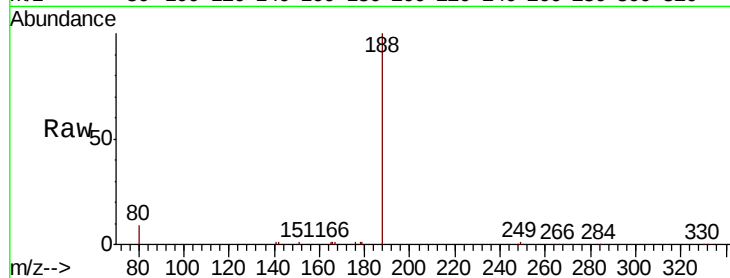
Tot Ion:188 Resp: 23388

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

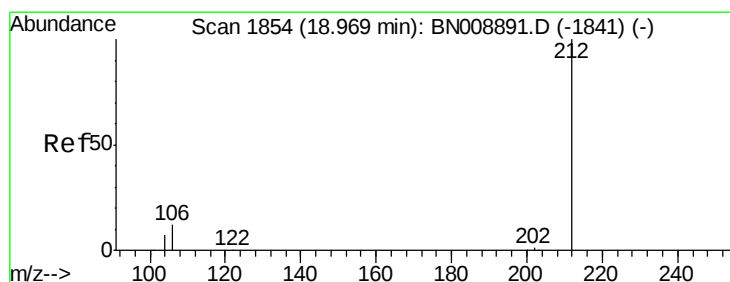
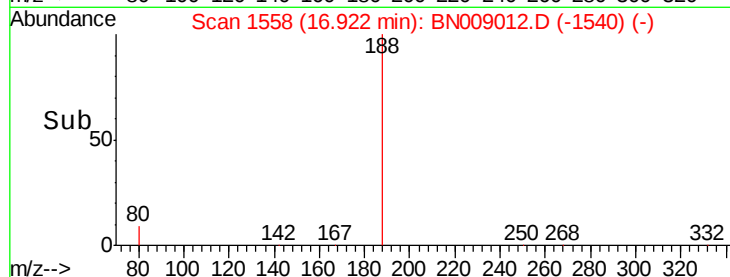
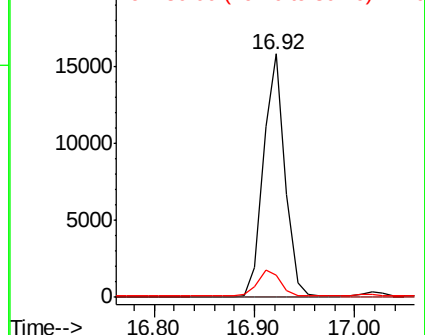
80 9.2 7.3 10.9



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



#25

Fluoranthene-d10

Concen: 0.382 ng

RT: 18.96 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BN009012.D

Acq: 17 Dec 2019 12:29

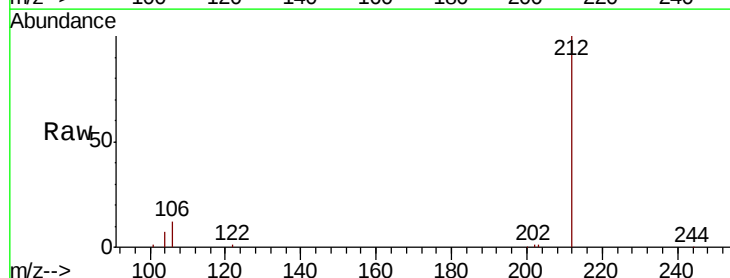
Tgt Ion:212 Resp: 27026

Ion Ratio Lower Upper

212 100

106 12.6 10.4 15.6

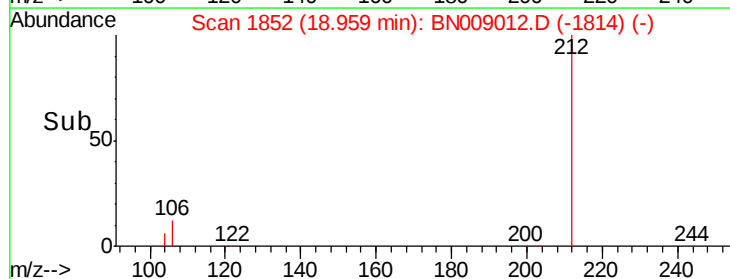
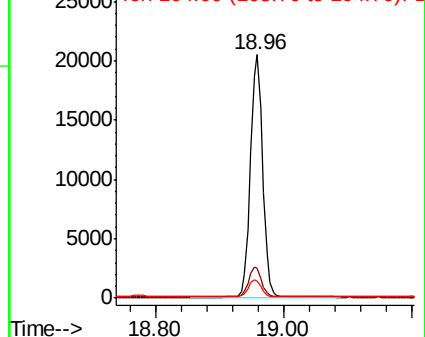
104 7.0 5.9 8.9

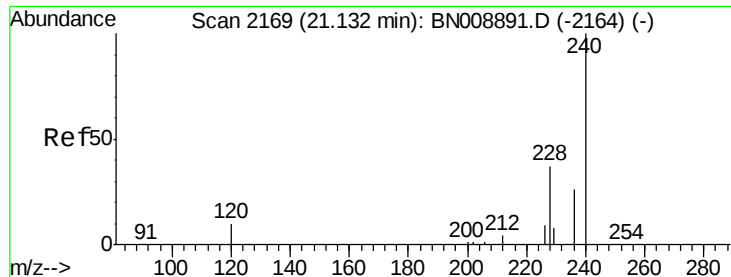


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.12 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BN009012.D

Acq: 17 Dec 2019 12:29

Instrument :

BNA\_N

ClientSampleId :

KY038PS027-191209

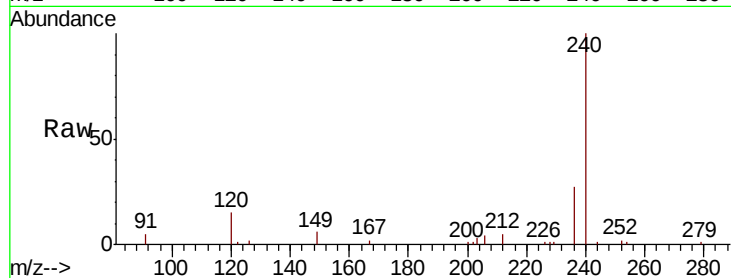
Tot Ion:240 Resp: 22087

Ion Ratio Lower Upper

240 100

120 14.7 9.1 13.7#

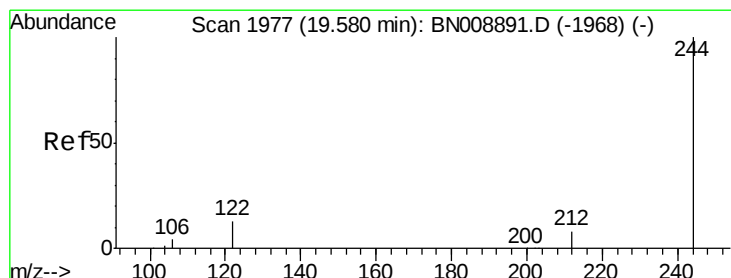
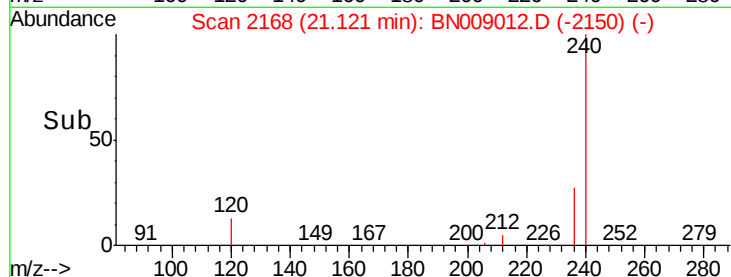
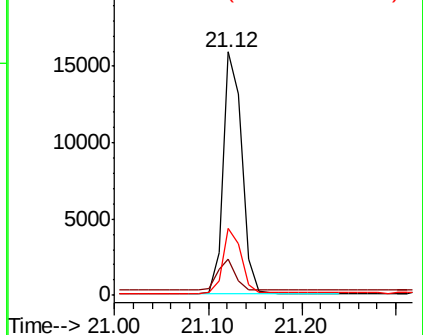
236 27.5 21.5 32.3



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



#29

Terphenyl-d14

Concen: 0.402 ng

RT: 19.57 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN009012.D

Acq: 17 Dec 2019 12:29

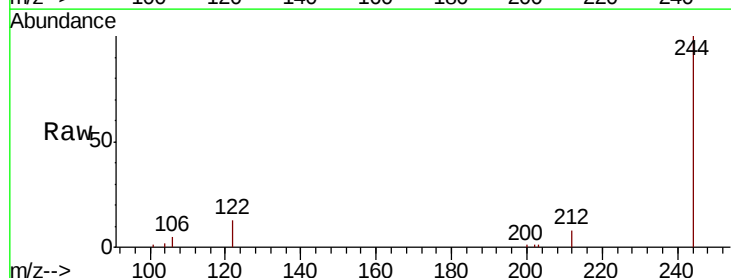
Tgt Ion:244 Resp: 20257

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

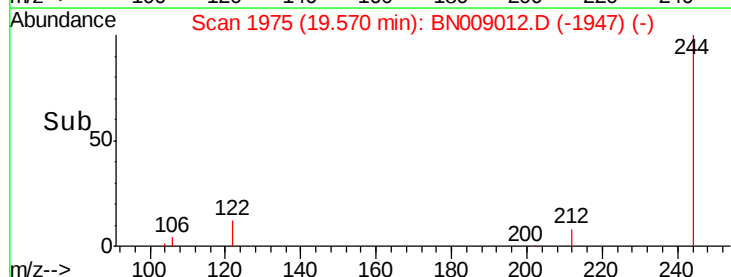
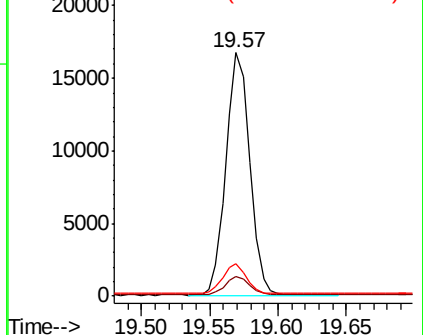
122 13.1 10.4 15.6

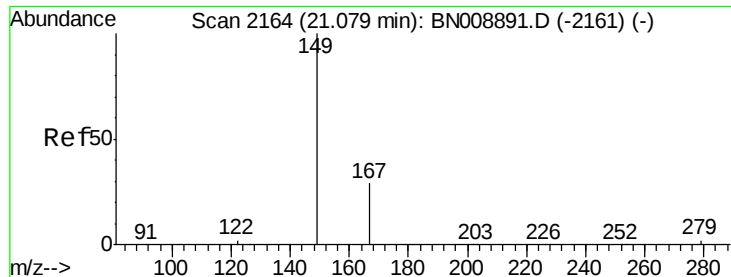


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.107 ng

RT: 21.07 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BN009012.D

Acq: 17 Dec 2019 12:29

Instrument :

BNA\_N

ClientSampleId :

KY038PS027-191209

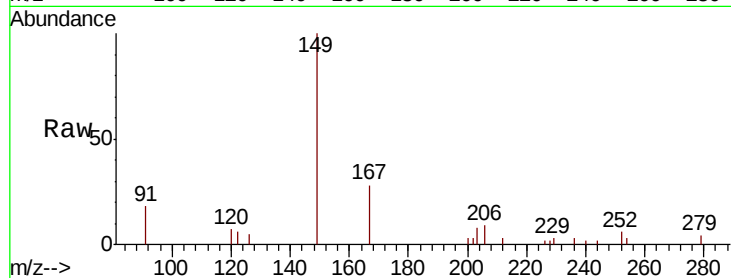
Tot Ion:149 Resp: 3940

Ion Ratio Lower Upper

149 100

167 28.1 22.7 34.1

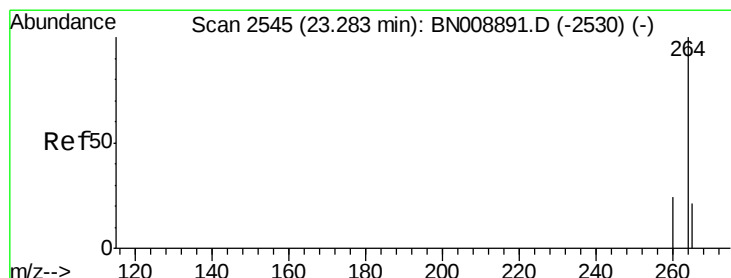
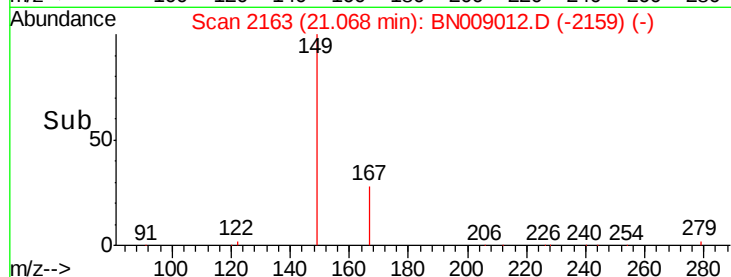
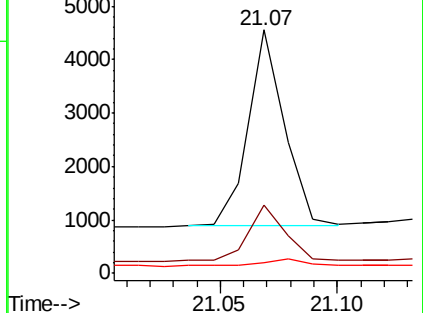
279 4.3 3.3 4.9



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: 23.27 min Scan# 2542

Delta R.T. -0.01 min

Lab File: BN009012.D

Acq: 17 Dec 2019 12:29

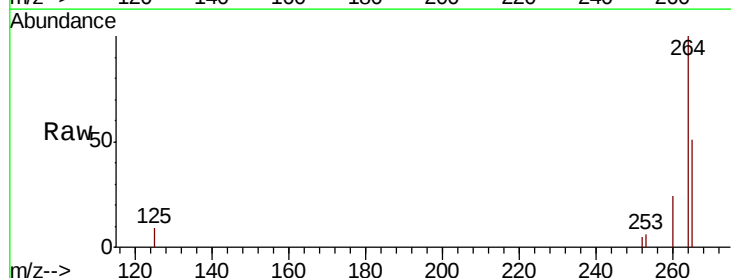
Tgt Ion:264 Resp: 20380

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.0

265 51.0 47.5 71.3



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

