

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022020\  
 Data File : BN009793.D  
 Acq On : 20 Feb 2020 23:47  
 Operator : CG/JU  
 Sample : PB126764BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Feb 21 02:51:16 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 19 15:57:43 2020  
 Response via : Initial Calibration

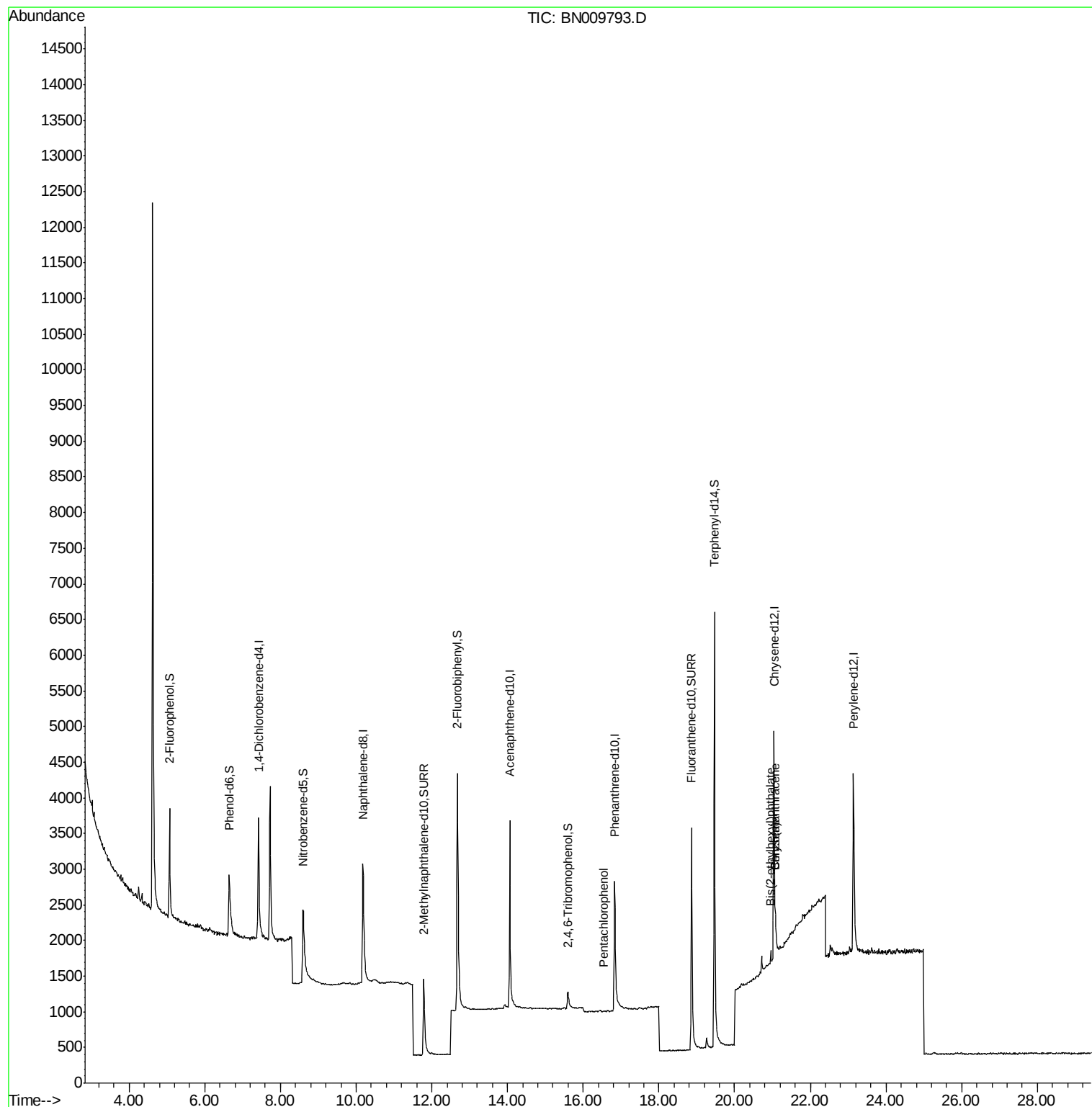
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.42  | 152  | 1207     | 0.40      | ng       | 0.00     |
| 7) Naphthalene-d8              | 10.18 | 136  | 3892     | 0.40      | ng       | 0.00     |
| 13) Acenaphthene-d10           | 14.06 | 164  | 2243     | 0.40      | ng       | 0.00     |
| 19) Phenanthrene-d10           | 16.83 | 188  | 4435     | 0.40      | ng       | 0.01     |
| 27) Chrysene-d12               | 21.04 | 240  | 4332     | 0.40      | ng       | 0.00     |
| 34) Perylene-d12               | 23.14 | 264  | 4270     | 0.40      | ng       | 0.00     |
| System Monitoring Compounds    |       |      |          |           |          |          |
| 4) 2-Fluorophenol              | 5.07  | 112  | 1317     | 0.49      | ng       | -0.02    |
| 5) Phenol-d6                   | 6.65  | 99   | 1504     | 0.46      | ng       | 0.00     |
| 8) Nitrobenzene-d5             | 8.61  | 82   | 1703     | 0.53      | ng       | 0.01     |
| 11) 2-Methylnaphthalene-d10    | 11.79 | 152  | 2597     | 0.34      | ng       | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.60 | 330  | 307      | 0.36      | ng       | 0.01     |
| 15) 2-Fluorobiphenyl           | 12.68 | 172  | 4618     | 0.55      | ng       | -0.01    |
| 25) Fluoranthene-d10           | 18.86 | 212  | 5230     | 0.34      | ng       | 0.00     |
| 29) Terphenyl-d14              | 19.47 | 244  | 8502     | 0.82      | ng       | -0.01    |
| Target Compounds               |       |      |          |           |          |          |
| 20) 4-Bromophenyl-phenylether  | 16.02 | 248  | 206      | Below Cal | Qvalue # | 76       |
| 22) Pentachlorophenol          | 16.54 | 266  | 4        | 0.183 ng  | #        | 76       |
| 30) Benzo(a)anthracene         | 21.08 | 228  | 900      | 0.063 ng  | #        | 74       |
| 31) Chrysene                   | 21.08 | 228  | 868      | 0.052 ng  | #        | 78       |
| 32) Bis(2-ethylhexyl)phthalate | 20.95 | 149  | 247      | 0.035 ng  | #        | 86       |

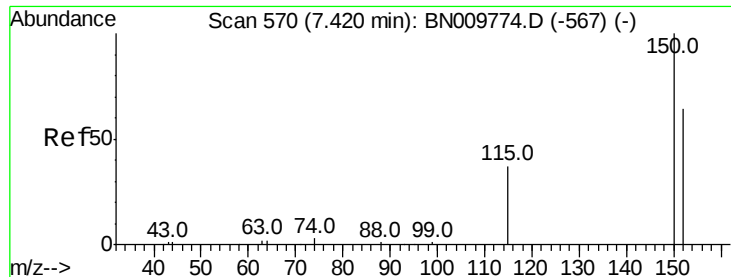
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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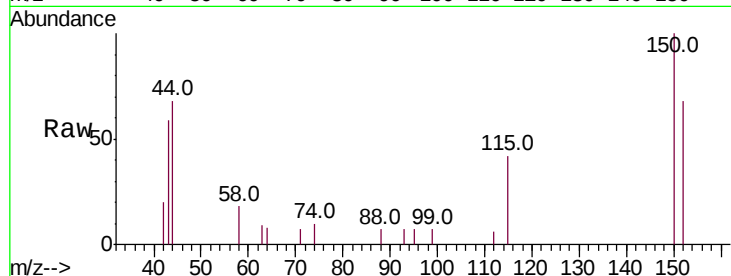


#1

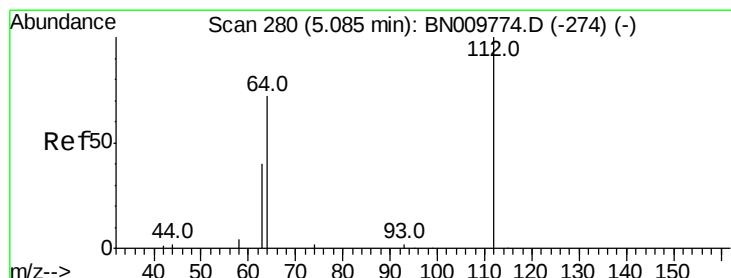
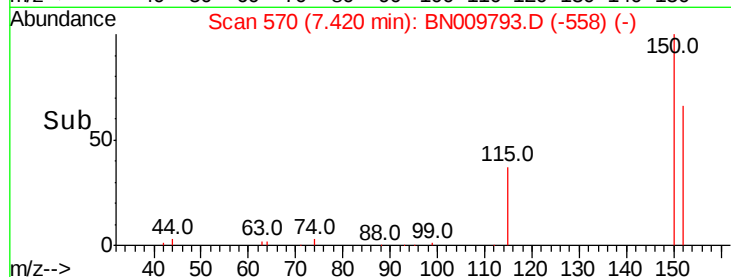
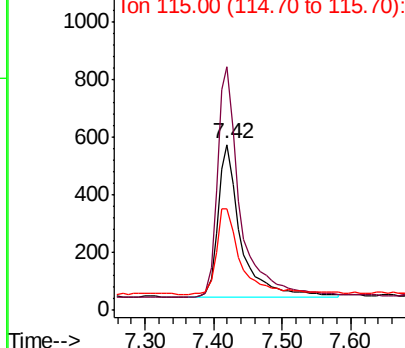
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.42 min Scan# 570  
Delta R.T. -0.00 min  
Lab File: BN009793.D  
Acq: 20 Feb 2020 23:47

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 1207  
Ion Ratio Lower Upper  
152 100  
150 146.9 120.6 181.0  
115 61.1 51.2 76.8



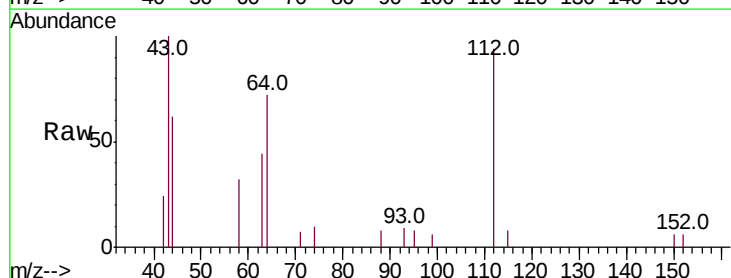
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



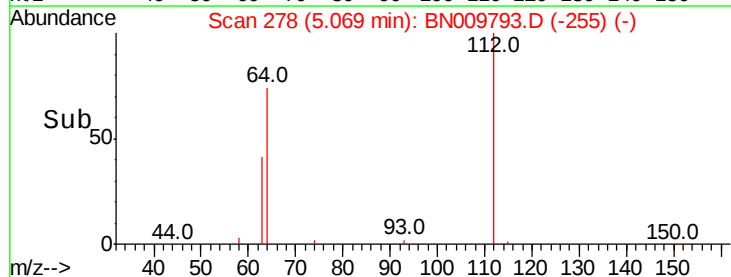
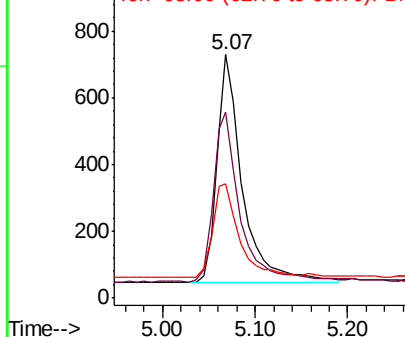
#4

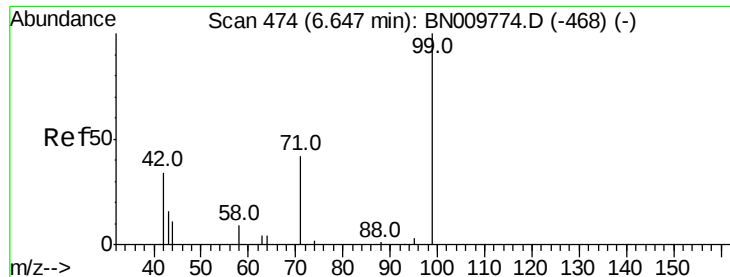
2-Fluorophenol  
Concen: 0.491 ng  
RT: 5.07 min Scan# 278  
Delta R.T. -0.02 min  
Lab File: BN009793.D  
Acq: 20 Feb 2020 23:47

Tgt Ion:112 Resp: 1317  
Ion Ratio Lower Upper  
112 100  
64 80.9 65.8 98.6  
63 43.2 38.7 58.1



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: 0.461 ng

RT: 6.65 min Scan# 474

Delta R.T. -0.00 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

Instrument :

BNA\_N

ClientSampleId :

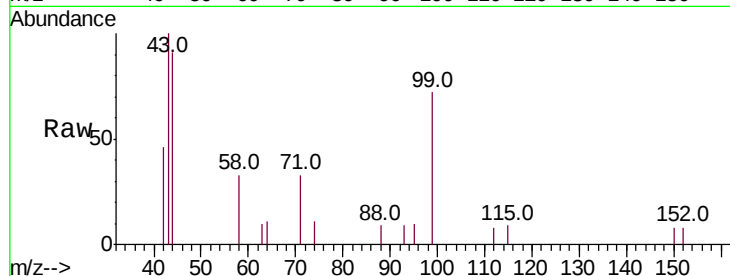
Tot Ion: 99 Resp: 1504

Ion Ratio Lower Upper

99 100

42 34.1 30.8 46.2

71 41.2 34.9 52.3

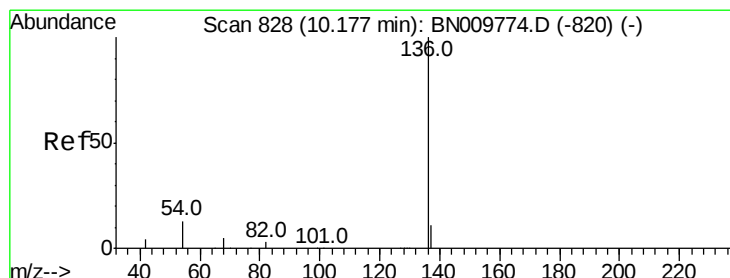
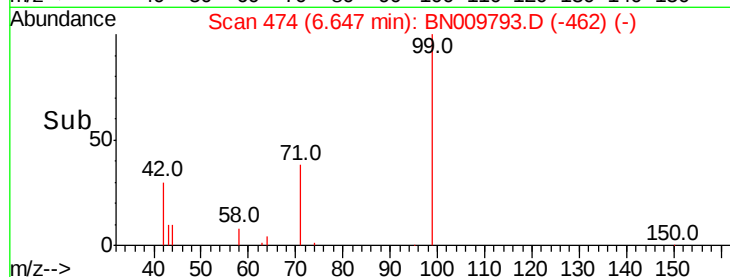


Abundance Ion 99.00 (98.70 to 99.70): BN009774.D (-468) (-)

Ion 42.00 (41.70 to 42.70): BN009774.D (-468) (-)

Ion 71.00 (70.70 to 71.70): BN009774.D (-468) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.18 min Scan# 828

Delta R.T. -0.00 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

Tgt Ion:136 Resp: 3892

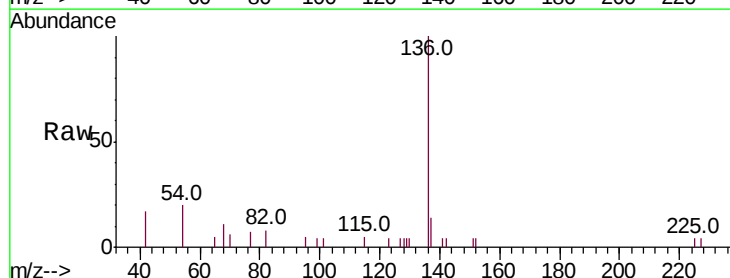
Ion Ratio Lower Upper

136 100

137 14.1 11.3 16.9

54 19.9 13.4 20.2

68 11.4 7.0 10.4#



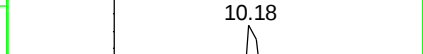
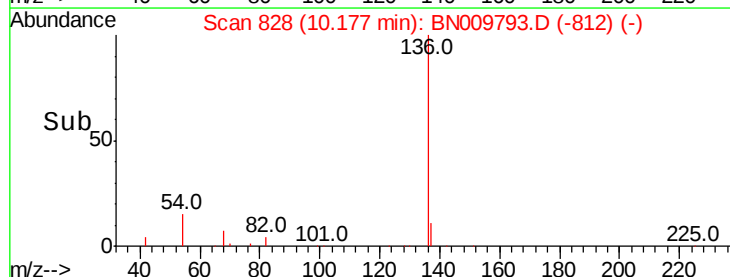
Abundance Ion 136.00 (135.70 to 136.70): BN009774.D (-820) (-)

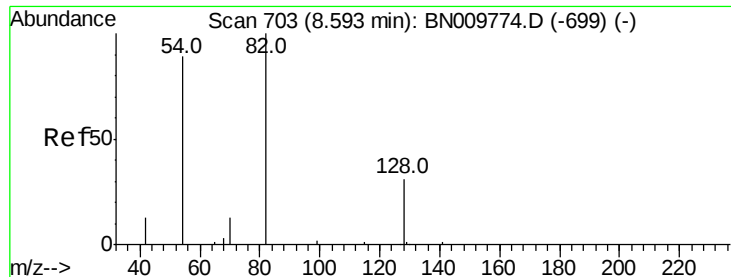
Ion 137.00 (136.70 to 137.70): BN009774.D (-820) (-)

Ion 54.00 (53.70 to 54.70): BN009774.D (-820) (-)

Ion 68.00 (67.70 to 68.70): BN009774.D (-820) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.526 ng

RT: 8.61 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

Instrument :

BNA\_N

ClientSampleId :

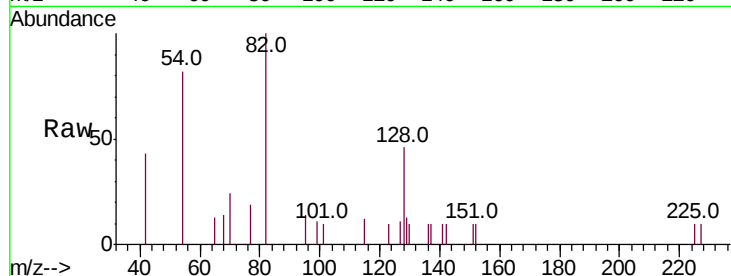
Tot Ion: 82 Resp: 1703

Ion Ratio Lower Upper

82 100

128 46.1 32.5 48.7

54 82.0 73.5 110.3

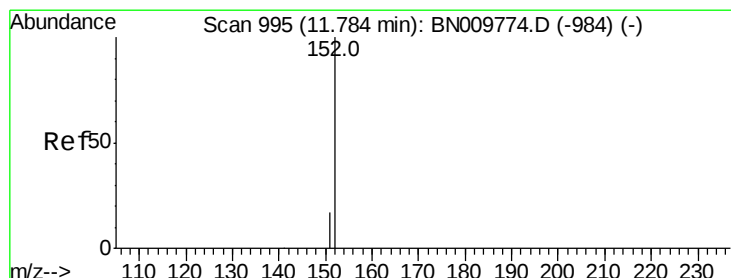
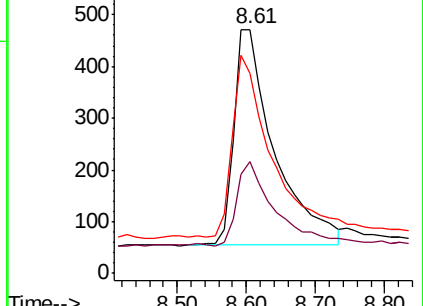
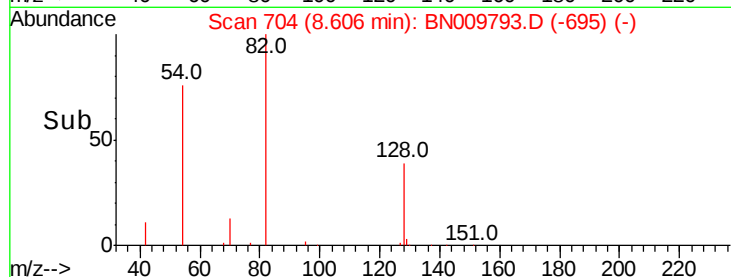


Abundance Ion 82.00 (81.70 to 82.70): BN009774.D (-699) (-)

Ion 128.00 (127.70 to 128.70): BN009774.D (-699) (-)

Ion 54.00 (53.70 to 54.70): BN009774.D (-699) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.345 ng

RT: 11.79 min Scan# 996

Delta R.T. 0.00 min

Lab File: BN009793.D

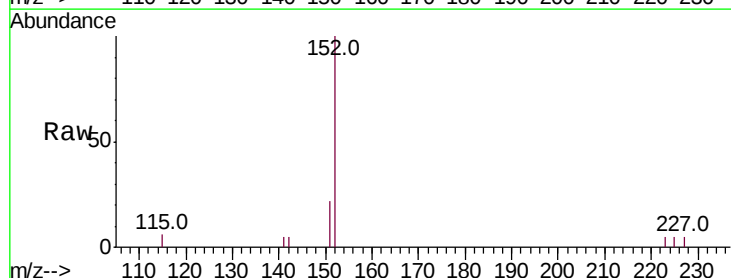
Acq: 20 Feb 2020 23:47

Tgt Ion: 152 Resp: 2597

Ion Ratio Lower Upper

152 100

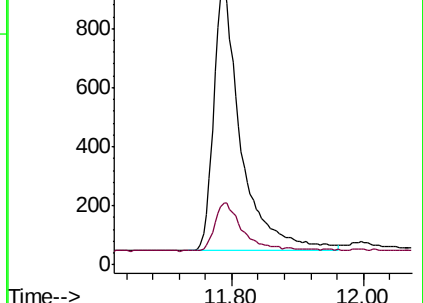
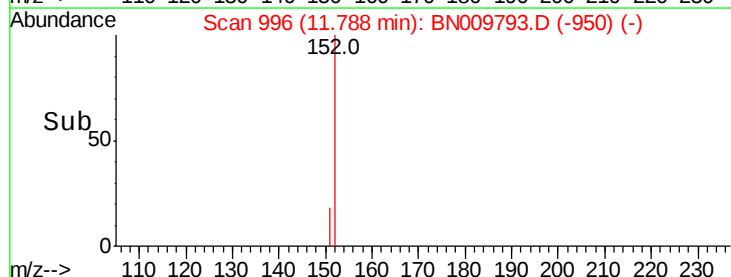
151 18.5 15.1 22.7

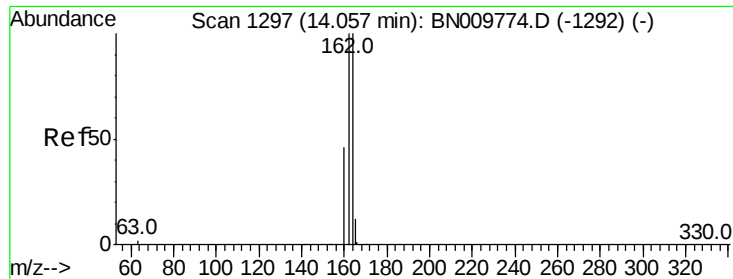


Abundance Ion 152.00 (151.70 to 152.70): BN009774.D (-984) (-)

Ion 151.00 (150.70 to 151.70): BN009774.D (-984) (-)

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

Instrument :

BNA\_N

ClientSampled :

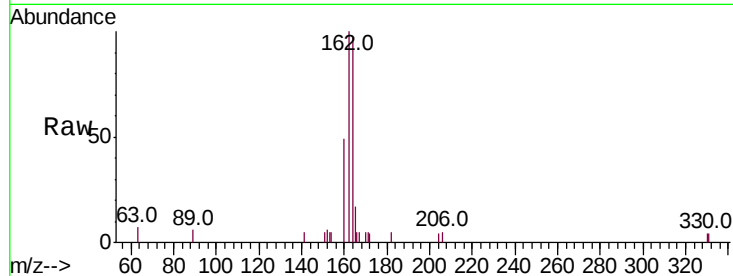
Tot Ion:164 Resp: 2243

Ion Ratio Lower Upper

164 100

162 103.0 79.9 119.9

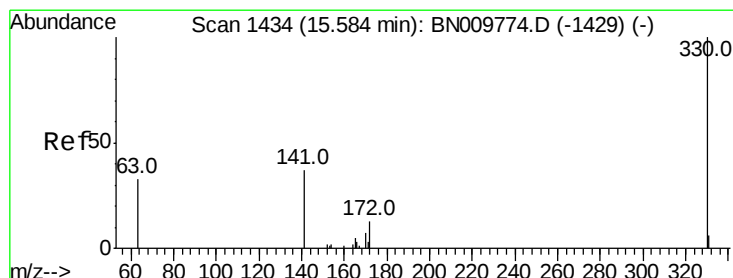
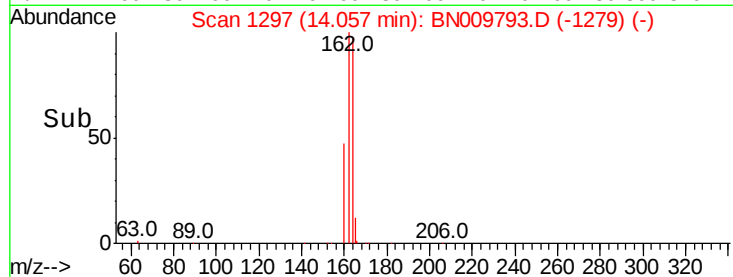
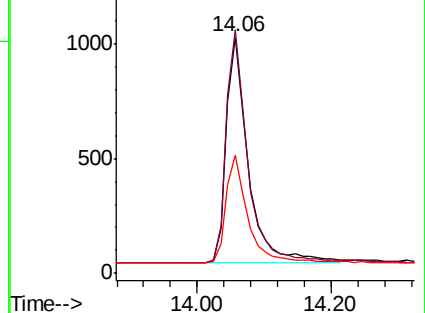
160 50.2 38.2 57.2



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: 0.355 ng

RT: 15.60 min Scan# 1435

Delta R.T. 0.01 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

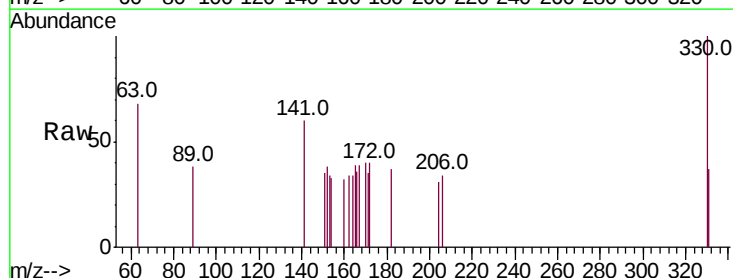
Tgt Ion:330 Resp: 307

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

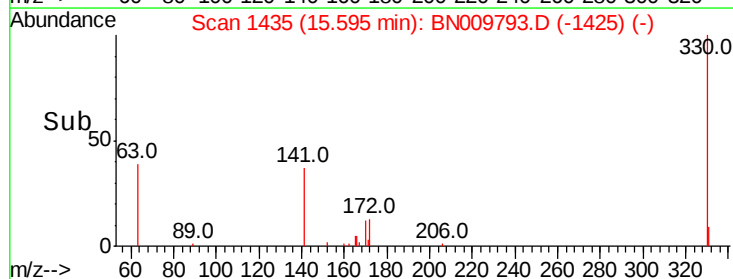
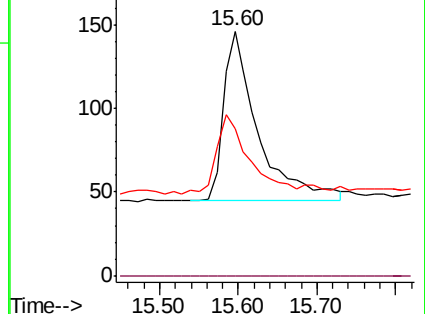
141 44.3 36.8 55.2

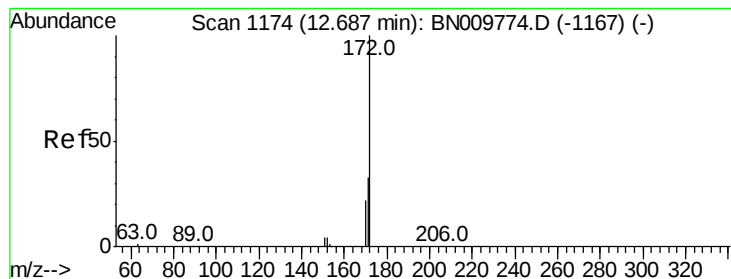


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

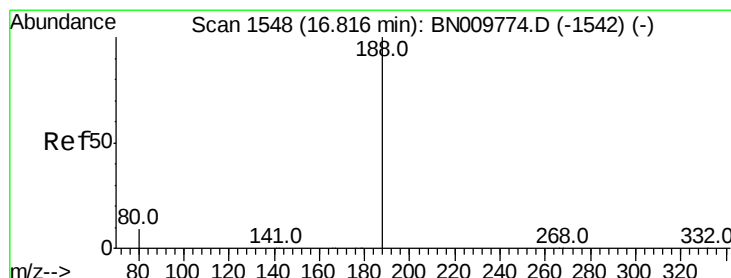
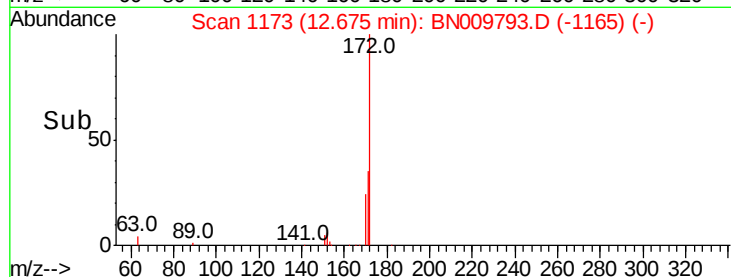
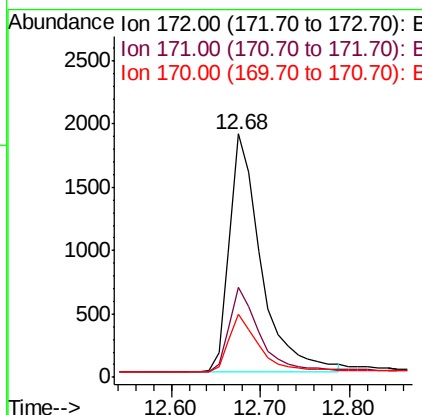
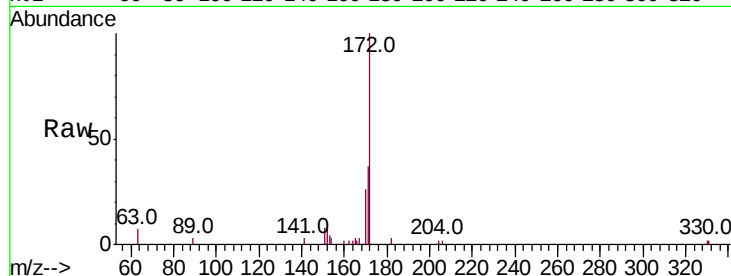




#15  
2-Fluorobiphenyl  
Concen: 0.545 ng  
RT: 12.68 min Scan# 1173  
Delta R.T. -0.01 min  
Lab File: BN009793.D  
Acq: 20 Feb 2020 23:47

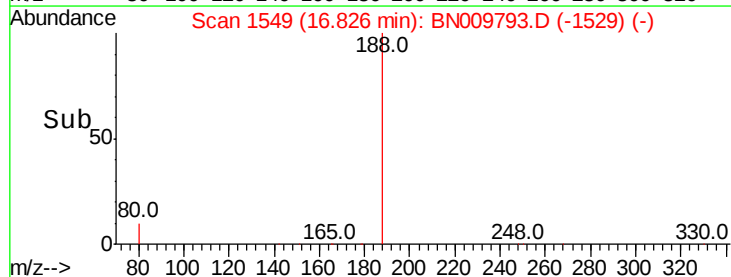
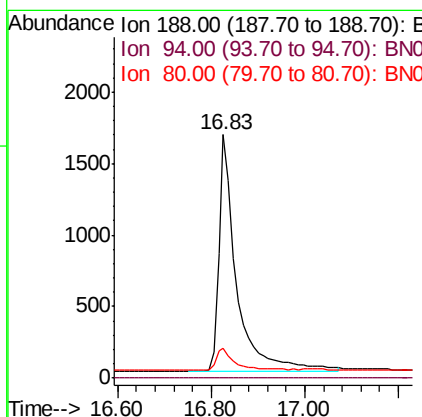
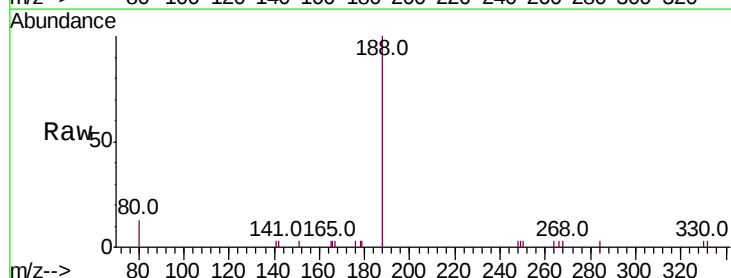
Instrument :  
BNA\_N  
ClientSampleId :

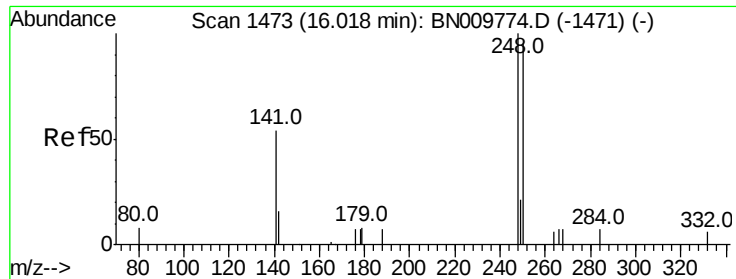
Tot Ion:172 Resp: 4618  
Ion Ratio Lower Upper  
172 100  
171 36.7 28.7 43.1  
170 25.8 20.1 30.1



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.83 min Scan# 1549  
Delta R.T. 0.01 min  
Lab File: BN009793.D  
Acq: 20 Feb 2020 23:47

Tgt Ion:188 Resp: 4435  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.5 8.3 12.5#

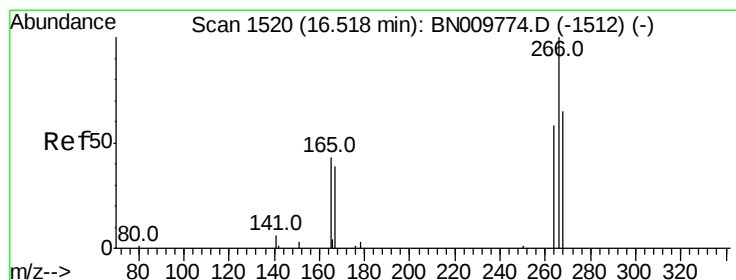
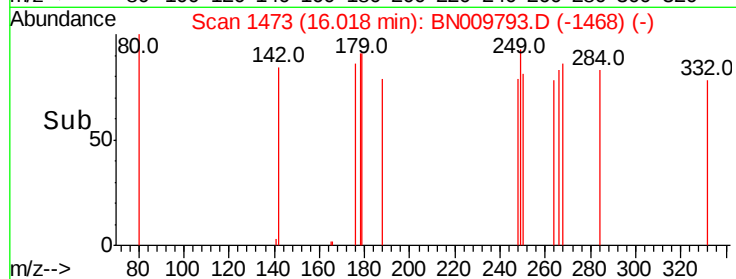
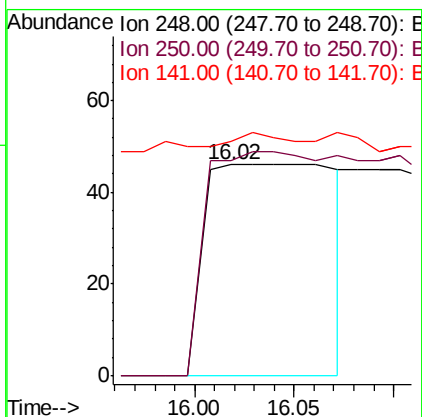
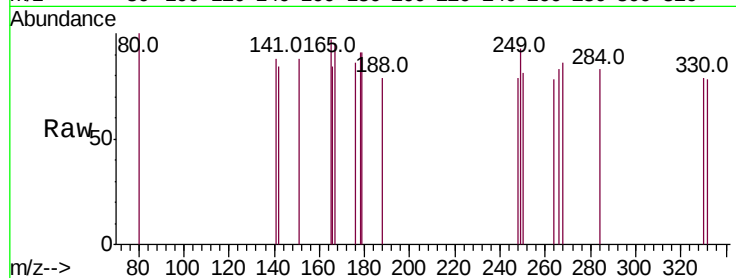




#20  
4-Bromophenyl-phenylether  
Concen: Below Cal  
RT: 16.02 min Scan# 1473  
Delta R.T. 0.00 min  
Lab File: BN009793.D  
Acq: 20 Feb 2020 23:47

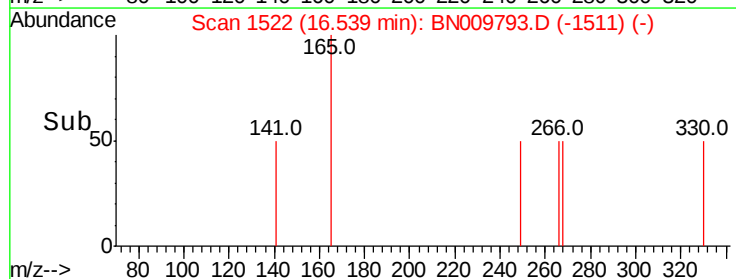
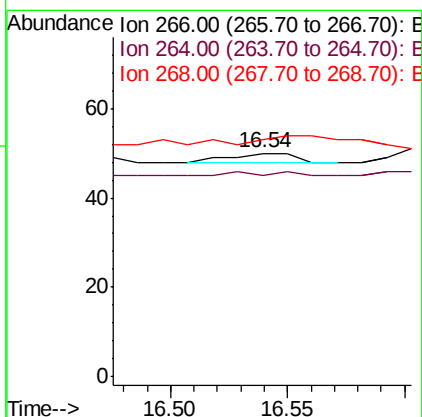
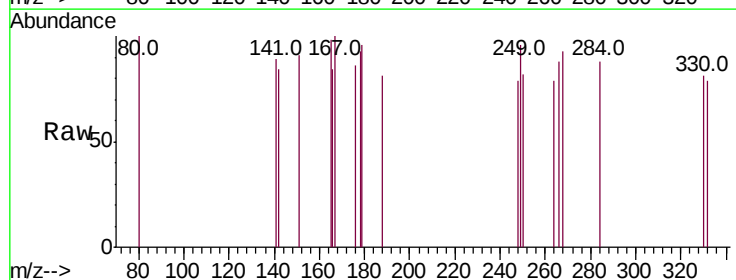
Instrument :  
BNA\_N  
ClientSampleId :

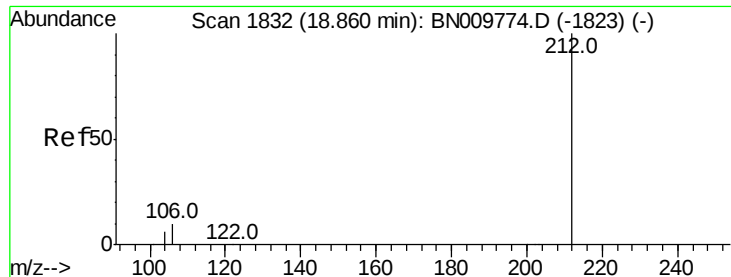
Tot Ion:248 Resp: 206  
Ion Ratio Lower Upper  
248 100  
250 102.2 76.2 114.4  
141 110.9 57.8 86.6#



#22  
Pentachlorophenol  
Concen: 0.183 ng  
RT: 16.54 min Scan# 1522  
Delta R.T. 0.02 min  
Lab File: BN009793.D  
Acq: 20 Feb 2020 23:47

Tgt Ion:266 Resp: 4  
Ion Ratio Lower Upper  
266 100  
264 90.0 58.1 87.1#  
268 106.0 65.7 98.5#





#25

Fluoranthene-d10

Concen: 0.341 ng

RT: 18.86 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

Instrument :

BNA\_N

ClientSampleId :

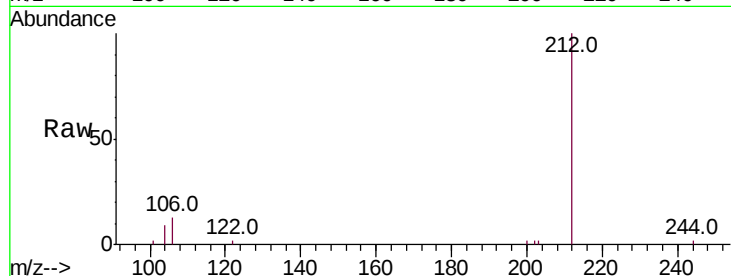
Tot Ion:212 Resp: 5230

Ion Ratio Lower Upper

212 100

106 11.3 8.4 12.6

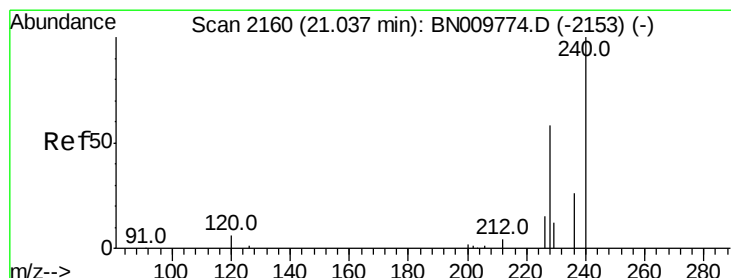
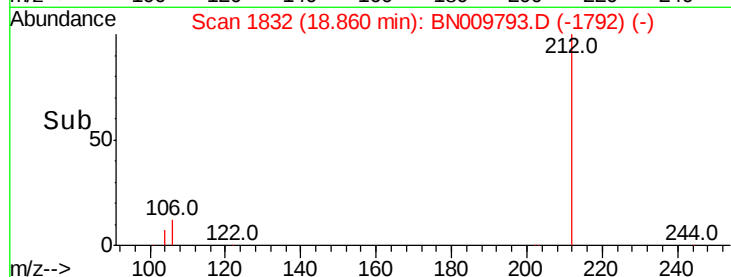
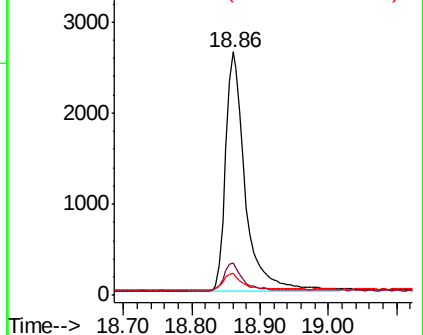
104 6.7 4.8 7.2



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: 21.04 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

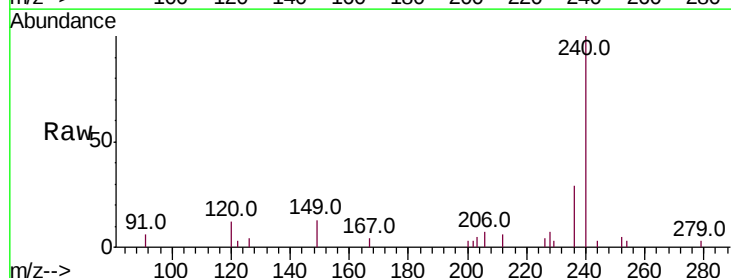
Tgt Ion:240 Resp: 4332

Ion Ratio Lower Upper

240 100

120 11.7 7.9 11.9

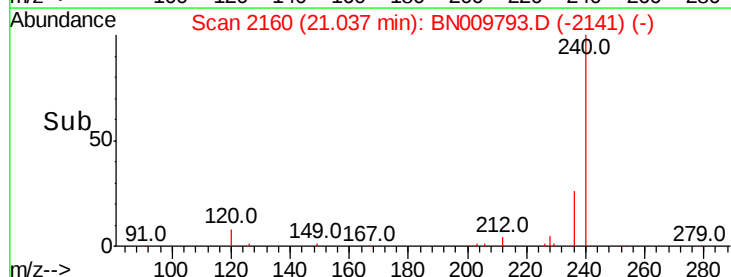
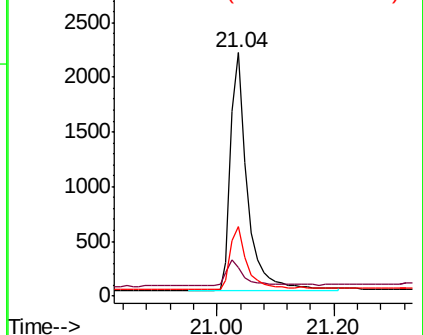
236 28.6 22.0 33.0

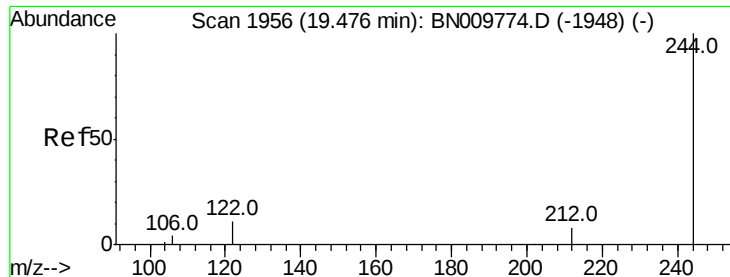


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.822 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

Instrument :

BNA\_N

ClientSampleId :

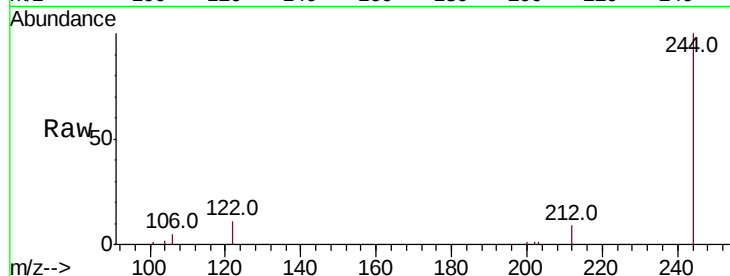
Tot Ion:244 Resp: 8502

Ion Ratio Lower Upper

244 100

212 8.8 8.0 12.0

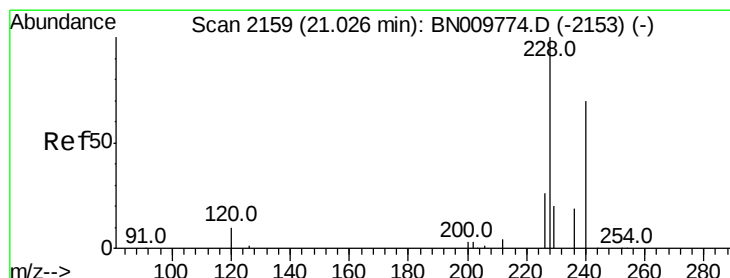
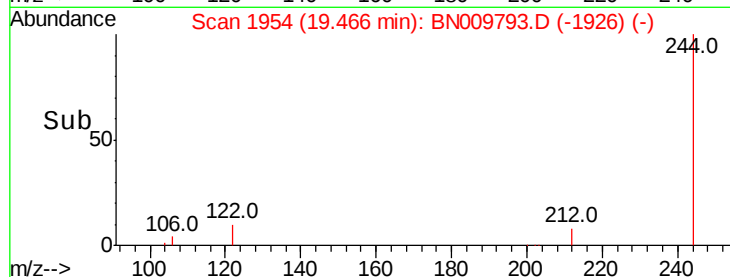
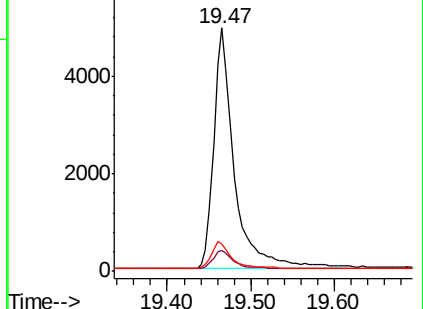
122 11.3 10.0 15.0



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: 0.063 ng

RT: 21.08 min Scan# 2164

Delta R.T. 0.05 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

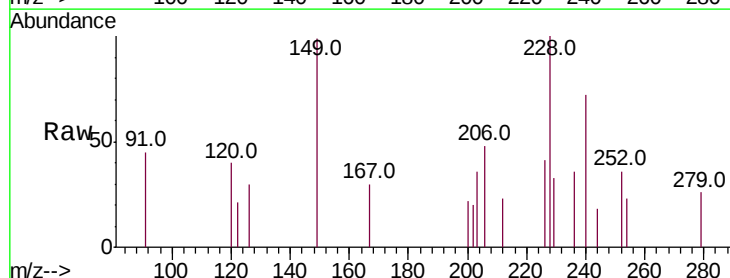
Tgt Ion:228 Resp: 900

Ion Ratio Lower Upper

228 100

226 41.2 21.8 32.8#

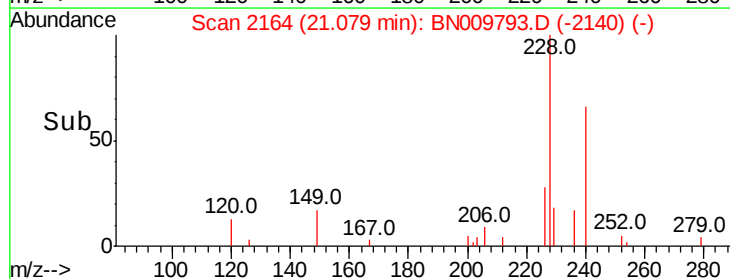
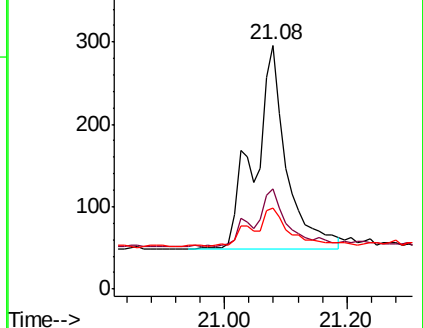
229 33.1 17.1 25.7#

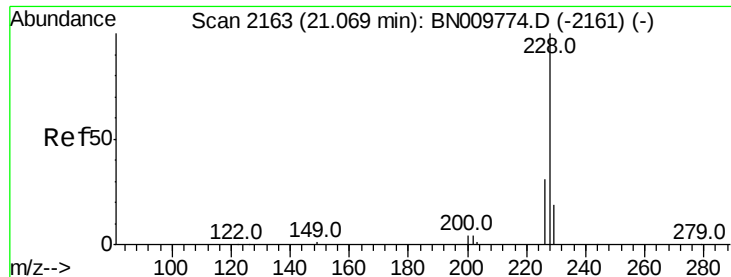


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.052 ng

RT: 21.08 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

Instrument :

BNA\_N

ClientSampleId :

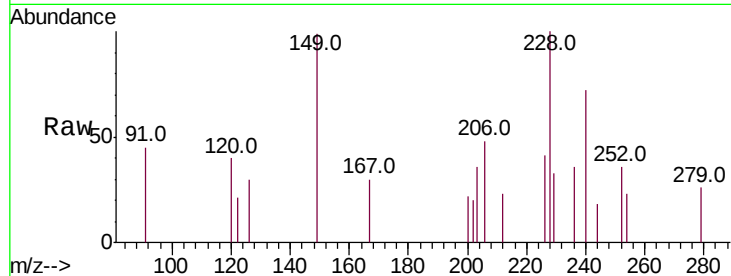
Tot Ion:228 Resp: 868

Ion Ratio Lower Upper

228 100

226 41.2 24.8 37.2#

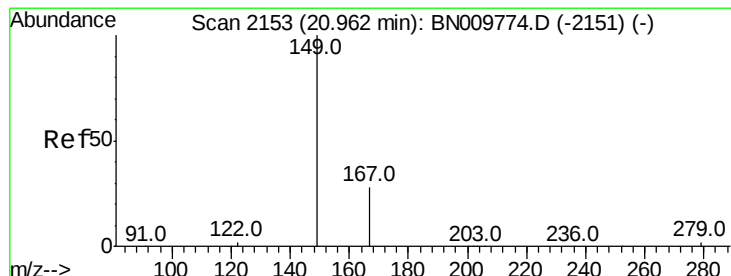
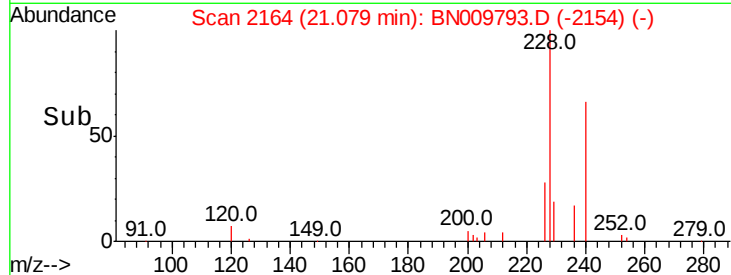
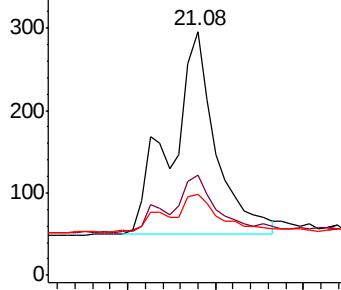
229 33.1 16.4 24.6#



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: 0.035 ng

RT: 20.95 min Scan# 2152

Delta R.T. -0.01 min

Lab File: BN009793.D

Acq: 20 Feb 2020 23:47

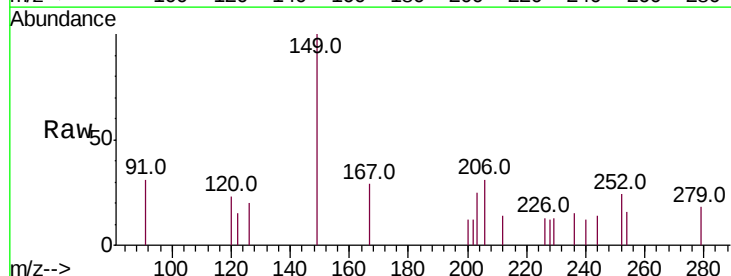
Tgt Ion:149 Resp: 247

Ion Ratio Lower Upper

149 100

167 20.6 22.7 34.1#

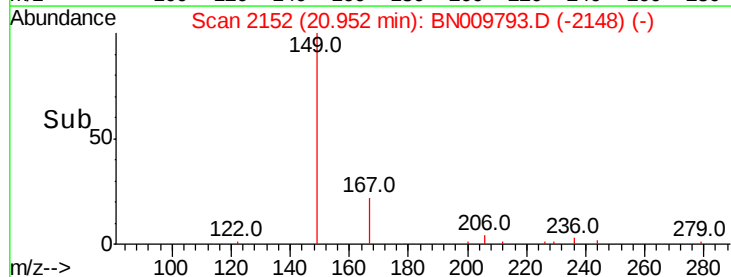
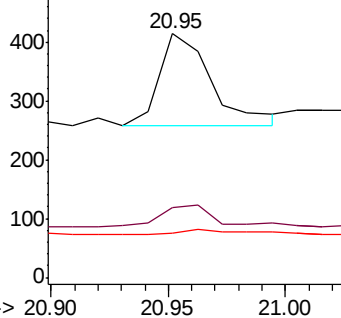
279 6.9 3.1 4.7#

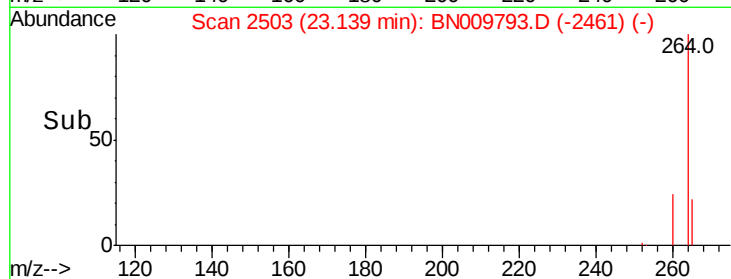
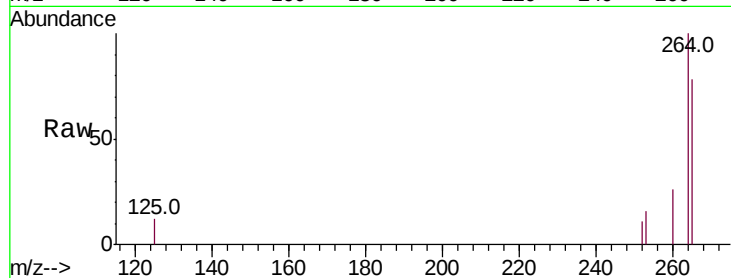
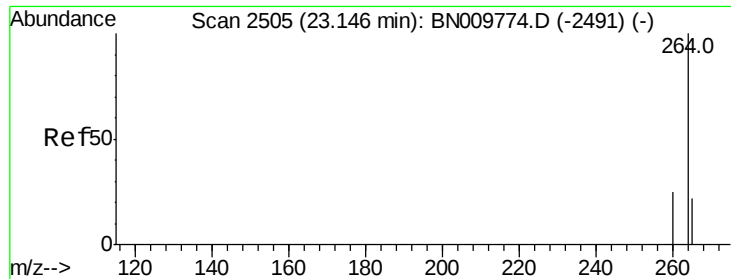


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.14 min Scan# 2503  
 Delta R.T. -0.01 min  
 Lab File: BN009793.D  
 Acq: 20 Feb 2020 23:47

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion: 264 Resp: 4270  
 Ion Ratio Lower Upper  
 264 100  
 260 25.7 21.1 31.7  
 265 78.3 57.5 86.3

