

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031720\
 Data File : BN010259.D
 Acq On : 18 Mar 2020 10:38
 Operator : CG/JU
 Sample : L1903-24
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:19:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 02:17:23 2020
 Response via : Initial Calibration

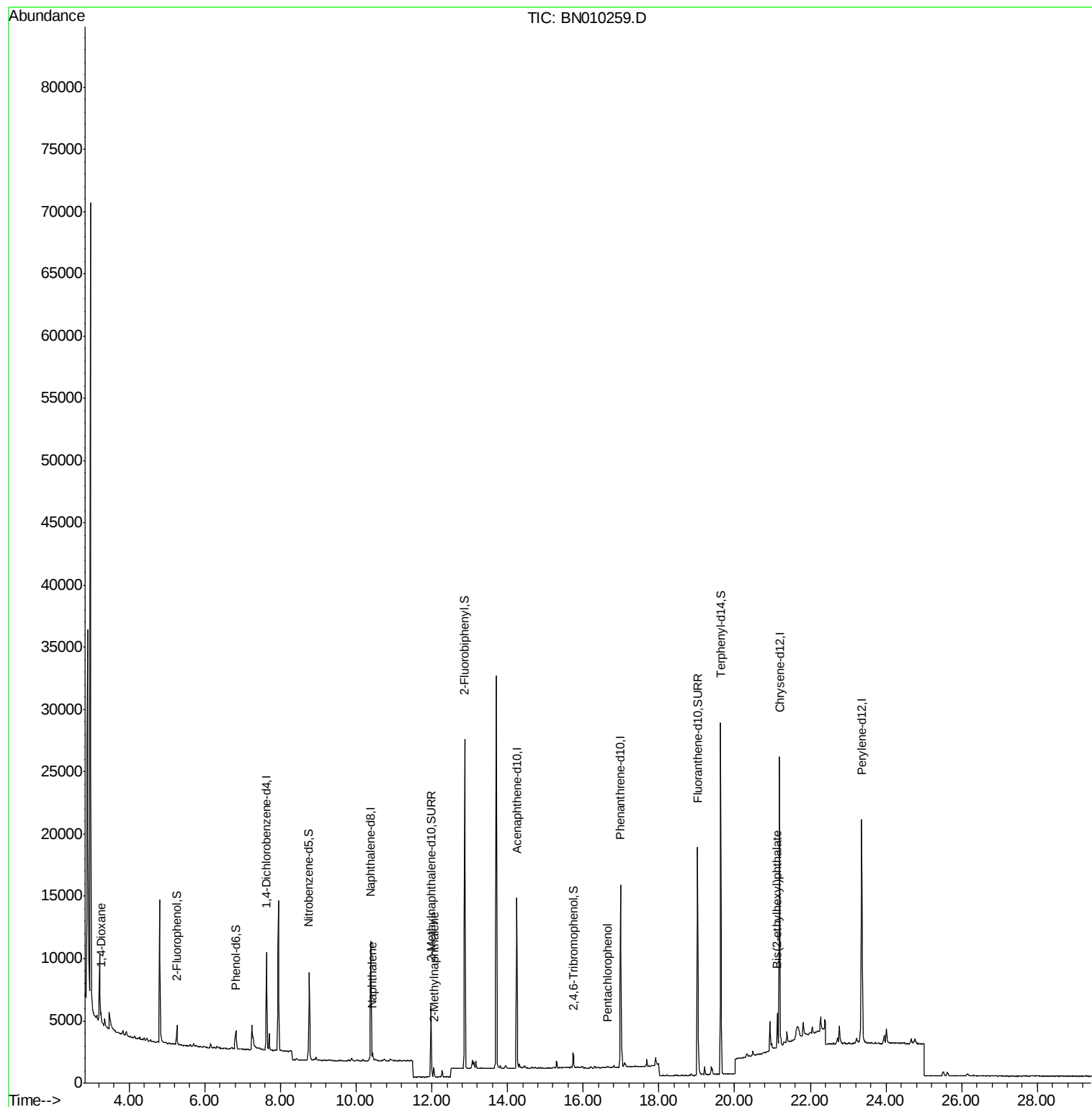
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	3751	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	13169	0.40	ng	-0.01
13) Acenaphthene-d10	14.25	164	7919	0.40	ng	-0.01
19) Phenanthrene-d10	16.99	188	19123	0.40	ng	-0.01
27) Chrysene-d12	21.19	240	20746	0.40	ng	-0.01
34) Perylene-d12	23.36	264	22351	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	1336	0.15	ng	0.00
5) Phenol-d6	6.81	99	1031	0.09	ng	0.00
8) Nitrobenzene-d5	8.76	82	5637	0.71	ng	-0.01
11) 2-Methylnaphthalene-d10	11.98	152	7556	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.74	330	1019	0.36	ng	-0.01
15) 2-Fluorobiphenyl	12.86	172	22715	0.81	ng	-0.01
25) Fluoranthene-d10	19.02	212	21765	0.37	ng	0.00
29) Terphenyl-d14	19.63	244	28081	0.59	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.26	88	523	0.143	ng	# 52
9) Naphthalene	10.43	128	731	0.022	ng	# 80
12) 2-Methylnaphthalene	12.05	142	578	0.024	ng	# 91
22) Pentachlorophenol	16.65	266	68	0.021	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.13	149	2332	0.078	ng	# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.63 min Scan# 596

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

Instrument :

BNA_N

ClientSampled :

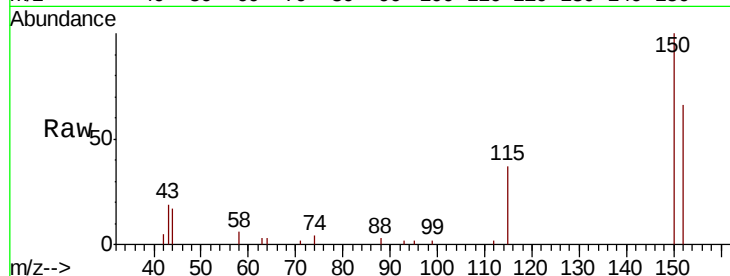
Tot Ion:152 Resp: 3751

Ion Ratio Lower Upper

152 100

150 152.6 119.5 179.3

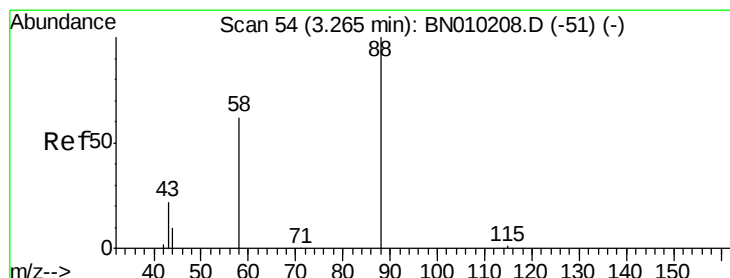
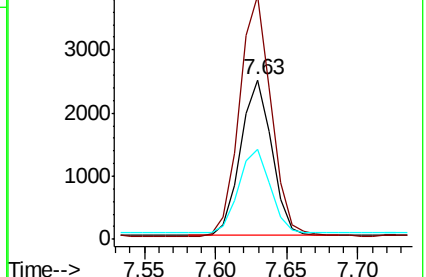
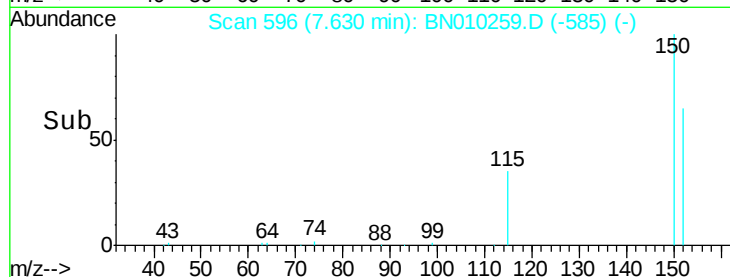
115 56.4 50.9 76.3



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: 0.143 ng

RT: 3.26 min Scan# 53

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

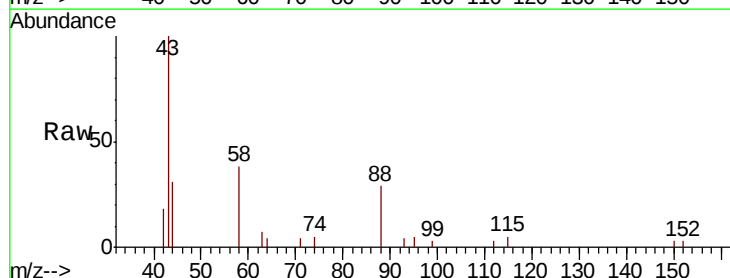
Tgt Ion: 88 Resp: 523

Ion Ratio Lower Upper

88 100

58 53.5 97.8 146.8#

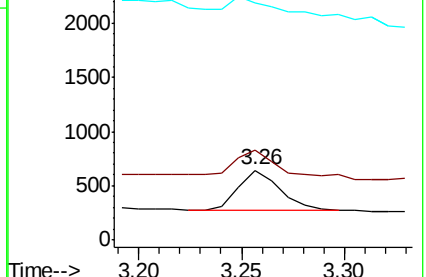
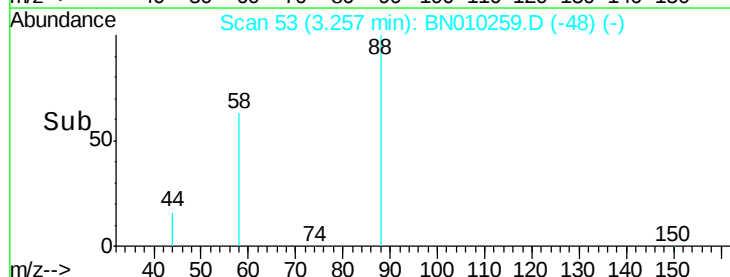
43 41.1 45.1 67.7#

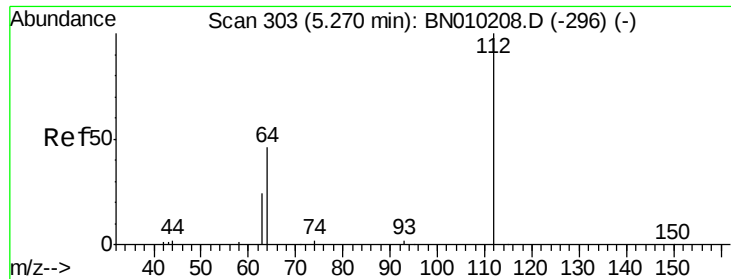


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.152 ng

RT: 5.26 min Scan# 302

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

Instrument :

BNA_N

ClientSampled :

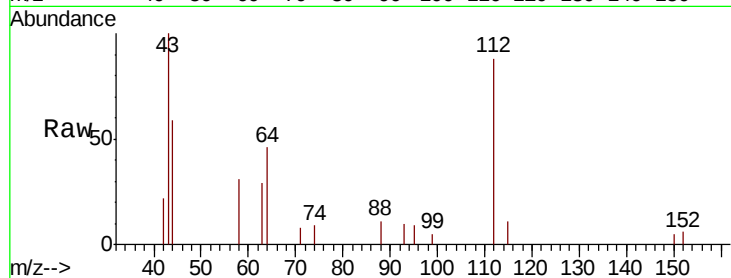
Tot Ion: 112 Resp: 1336

Ion Ratio Lower Upper

112 100

64 52.5 42.6 63.8

63 30.2 23.6 35.4



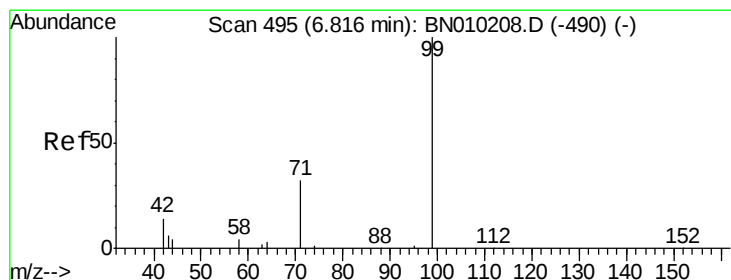
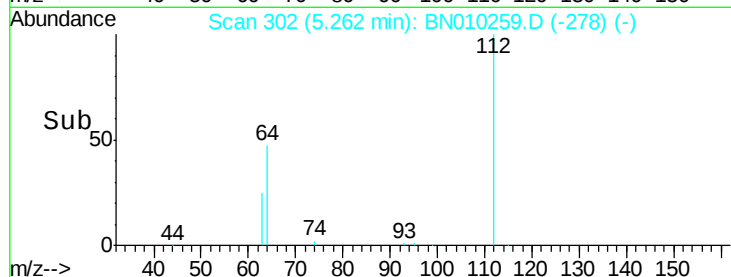
Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO

5.26

Time-->



#5

Phenol-d6

Concen: 0.094 ng

RT: 6.81 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

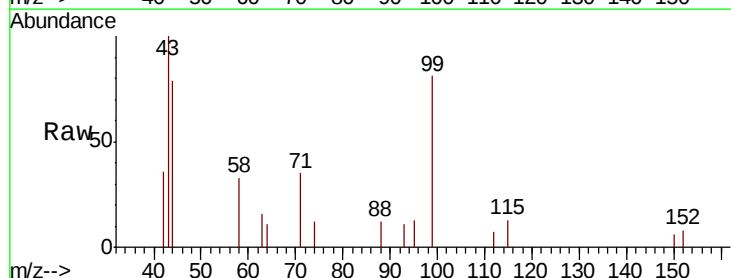
Tgt Ion: 99 Resp: 1031

Ion Ratio Lower Upper

99 100

42 34.9 12.0 18.0#

71 39.0 22.6 33.8#



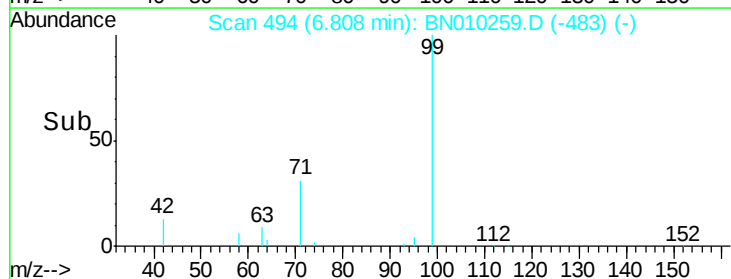
Abundance Ion 99.00 (98.70 to 99.70): BNO

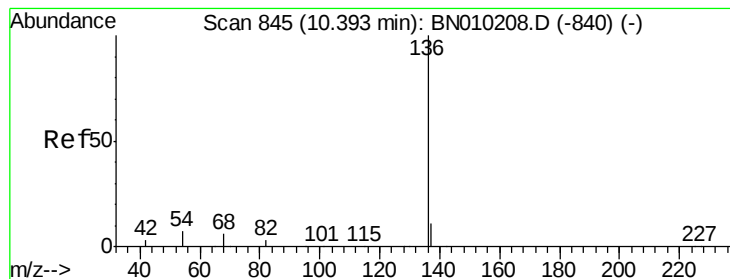
Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO

6.81

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 13169

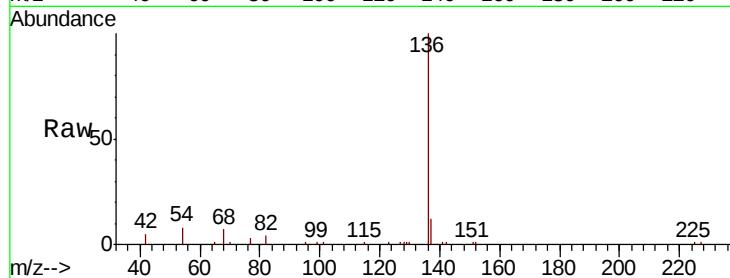
Ion Ratio Lower Upper

136 100

137 11.7 10.6 15.8

54 8.1 9.5 14.3#

68 6.9 9.7 14.5#

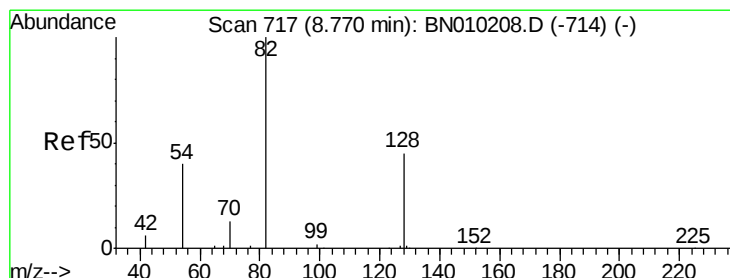
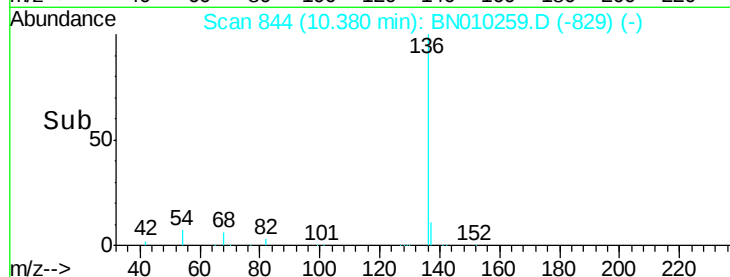
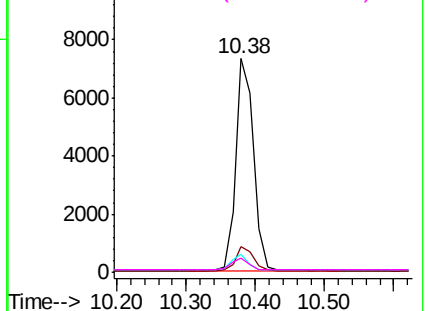


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.714 ng

RT: 8.76 min Scan# 716

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

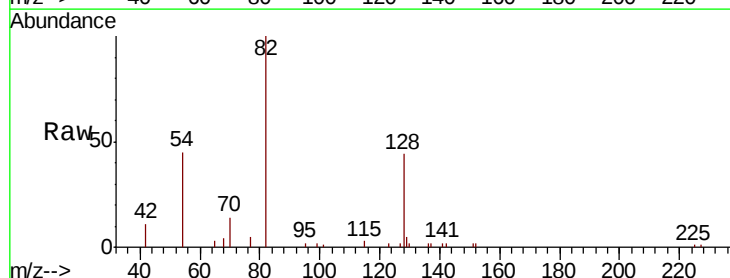
Tgt Ion: 82 Resp: 5637

Ion Ratio Lower Upper

82 100

128 44.2 35.0 52.6

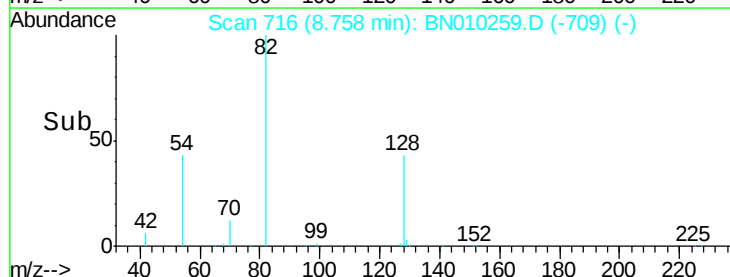
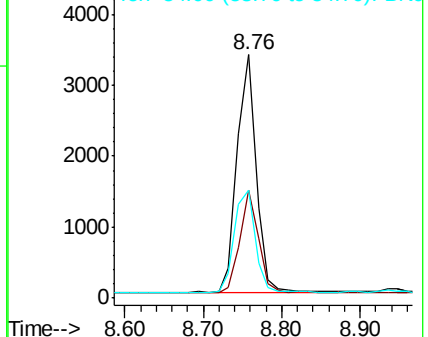
54 44.6 37.0 55.4

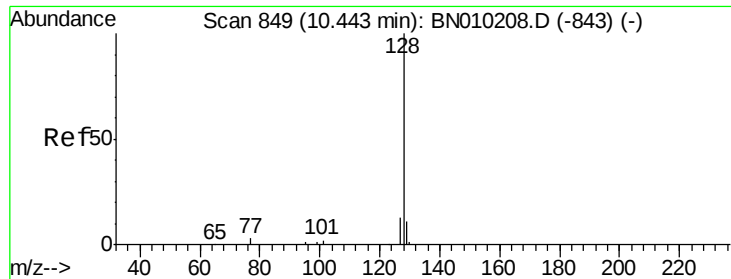


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.022 ng

RT: 10.43 min Scan# 848

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

Instrument :

BNA_N

ClientSampleId :

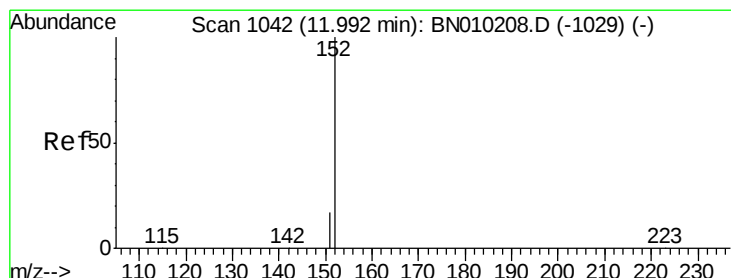
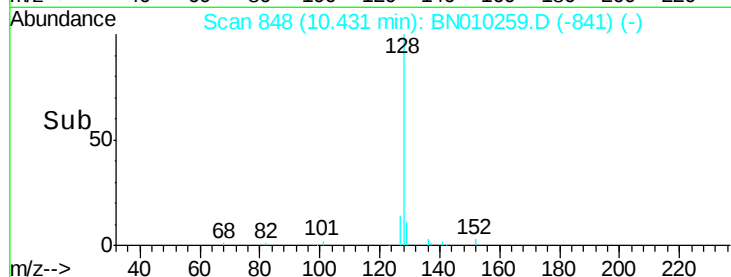
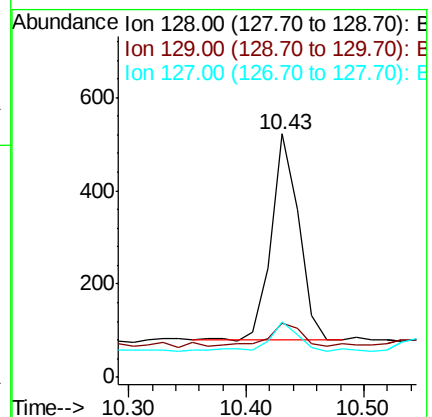
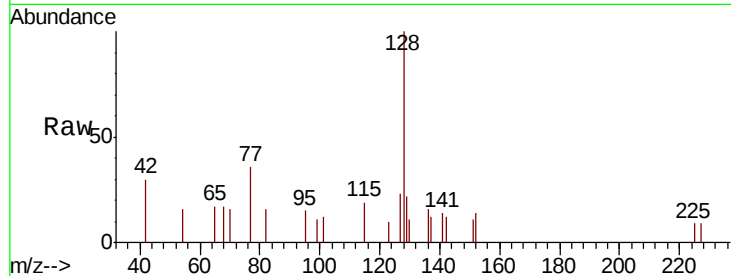
Tot Ion:128 Resp: 731

Ion Ratio Lower Upper

128 100

129 22.0 10.5 15.7#

127 22.6 12.1 18.1#



#11

2-Methylnaphthalene-d10

Concen: 0.347 ng

RT: 11.98 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BN010259.D

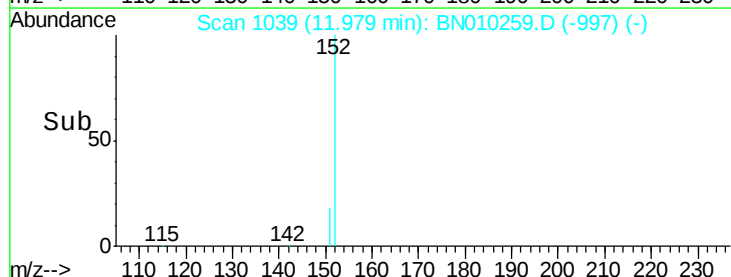
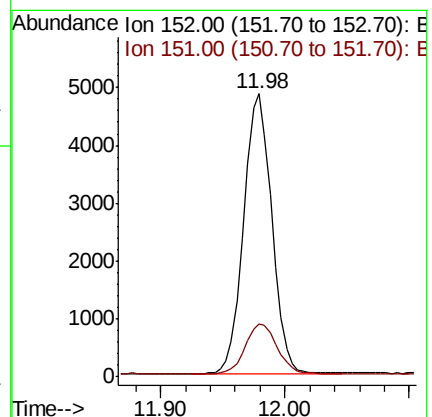
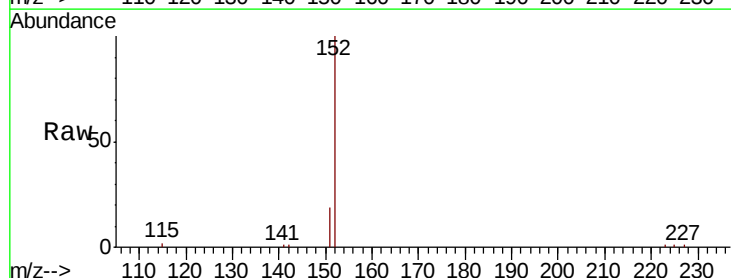
Acq: 18 Mar 2020 10:38

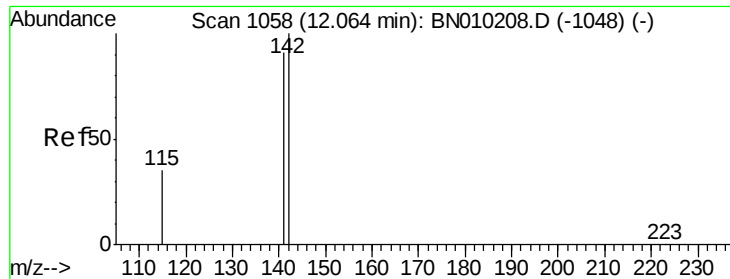
Tgt Ion:152 Resp: 7556

Ion Ratio Lower Upper

152 100

151 19.9 15.0 22.6





#12

2-Methylnaphthalene

Concen: 0.024 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

Instrument :

BNA_N

ClientSampled :

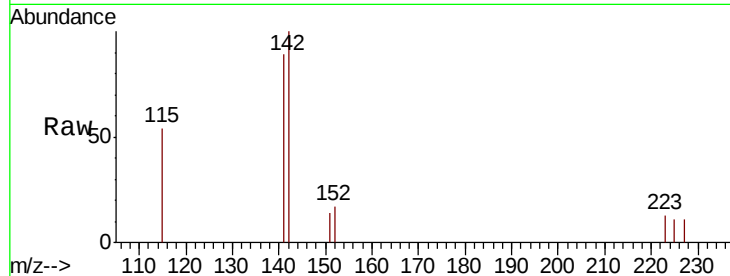
Tot Ion:142 Resp: 578

Ion Ratio Lower Upper

142 100

141 89.0 73.7 110.5

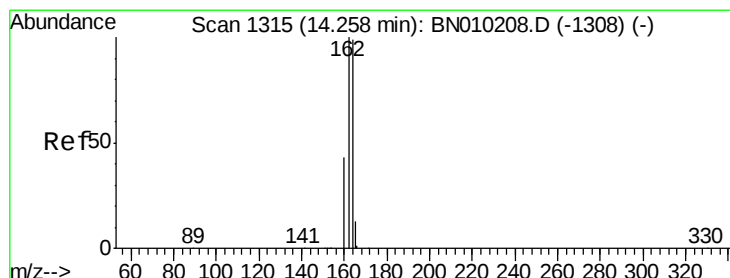
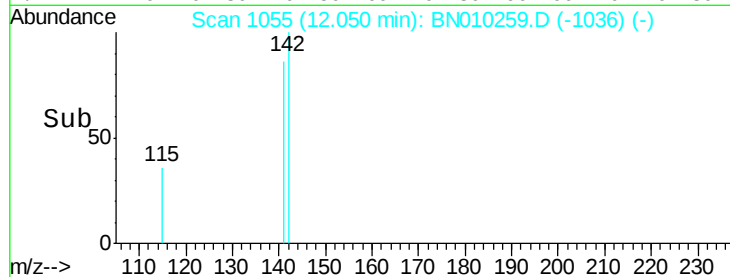
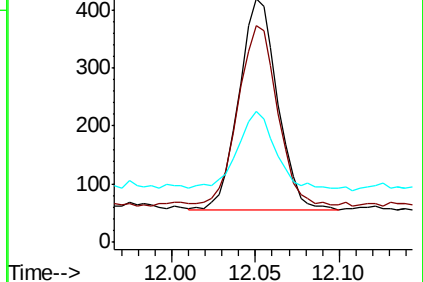
115 53.7 31.2 46.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.25 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

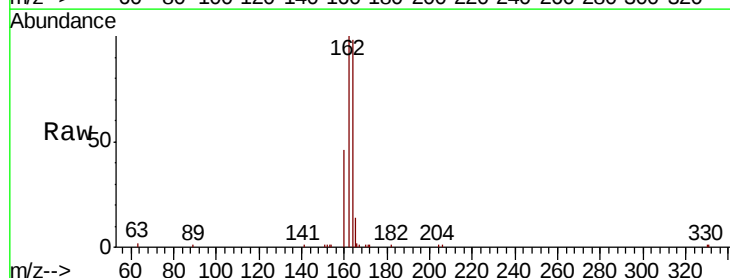
Tgt Ion:164 Resp: 7919

Ion Ratio Lower Upper

164 100

162 101.9 81.0 121.4

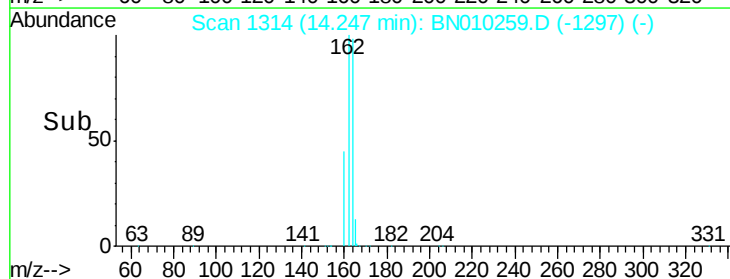
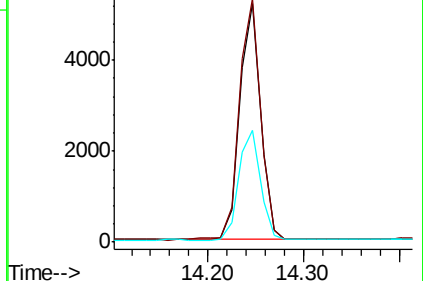
160 46.7 35.6 53.4

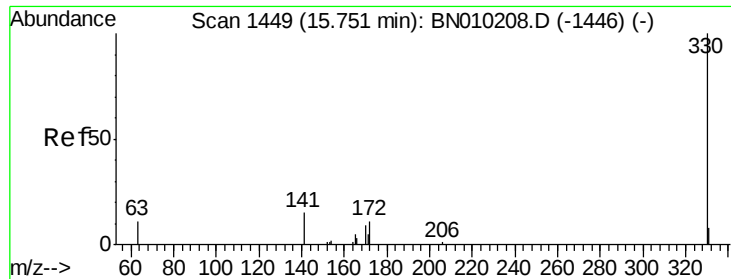


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

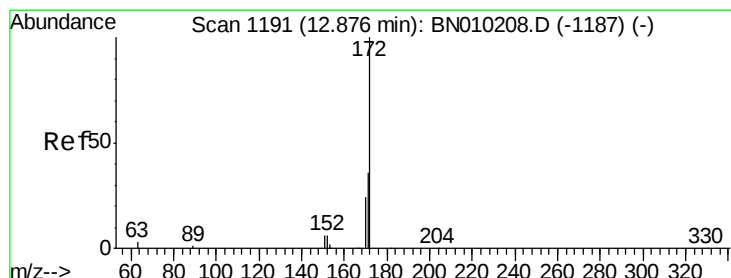
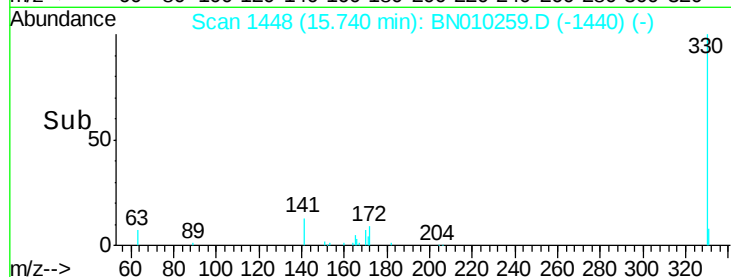
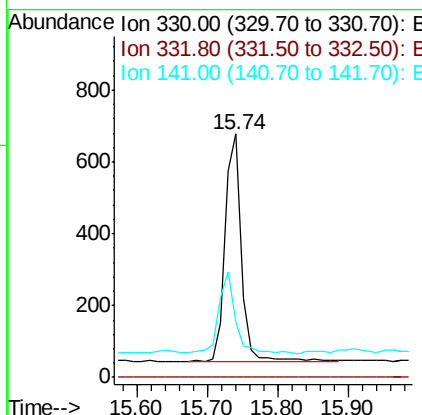
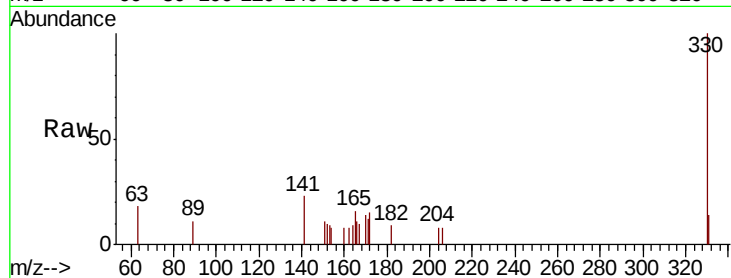




#14
 2,4,6-Tribromophenol
 Concen: 0.359 ng
 RT: 15.74 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BN010259.D
 Acq: 18 Mar 2020 10:38

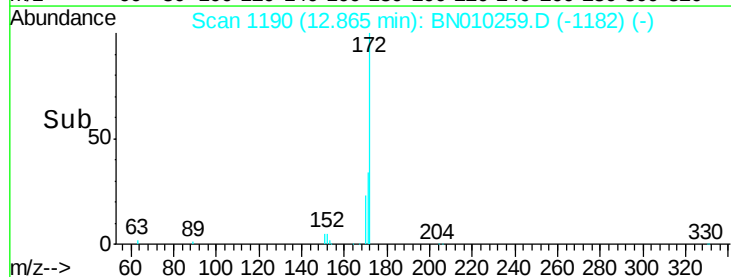
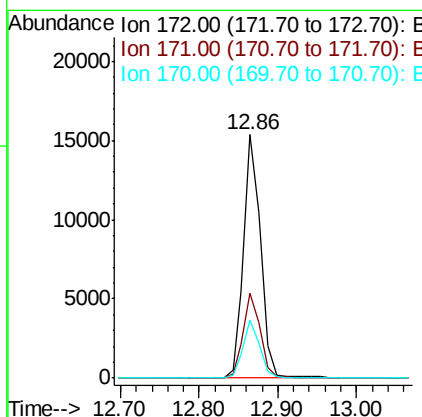
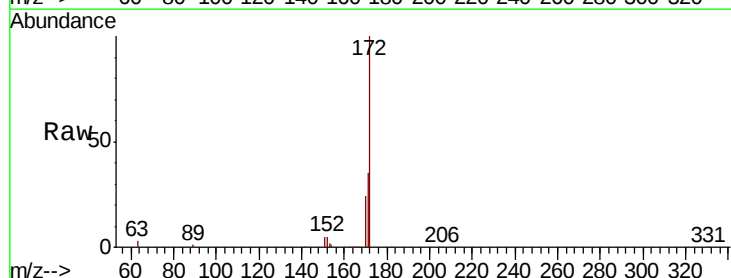
Instrument :
 BNA_N
 ClientSampleId :

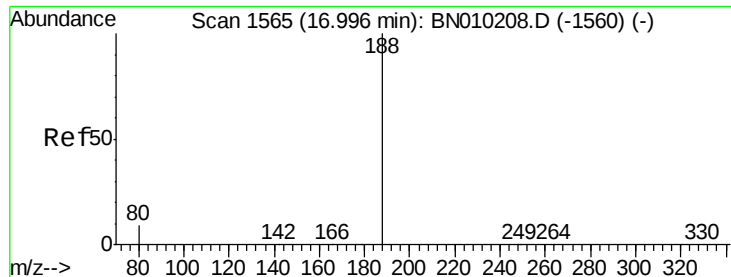
Tot Ion:330 Resp: 1019
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 37.2 25.1 37.7



#15
 2-Fluorobiphenyl
 Concen: 0.806 ng
 RT: 12.86 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BN010259.D
 Acq: 18 Mar 2020 10:38

Tgt Ion:172 Resp: 22715
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.4 44.2
 170 23.6 20.2 30.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.99 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

Instrument :

BNA_N

ClientSampleId :

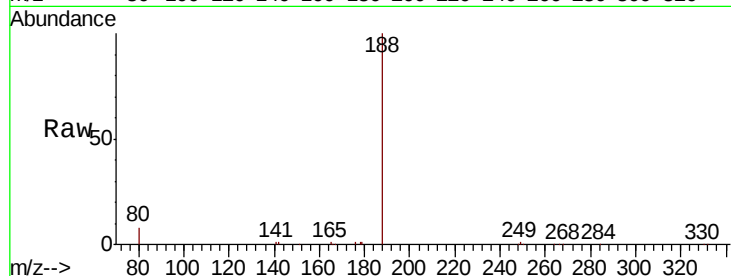
Tot Ion:188 Resp: 19123

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

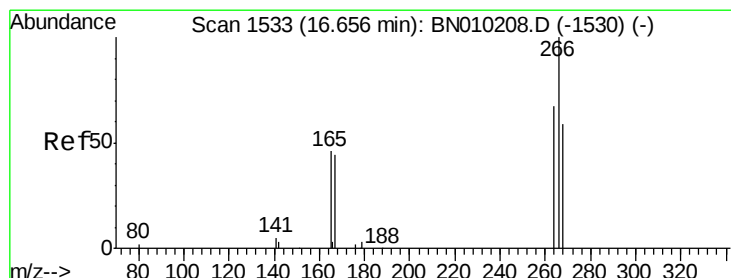
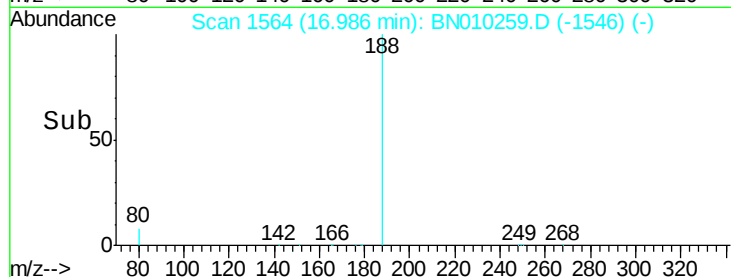
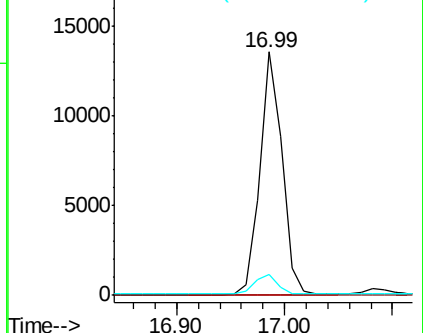
80 8.4 8.6 12.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#22

Pentachlorophenol

Concen: 0.021 ng

RT: 16.65 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

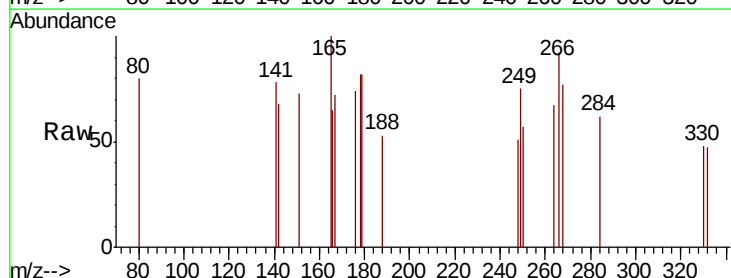
Tgt Ion:266 Resp: 68

Ion Ratio Lower Upper

266 100

264 73.6 56.2 84.2

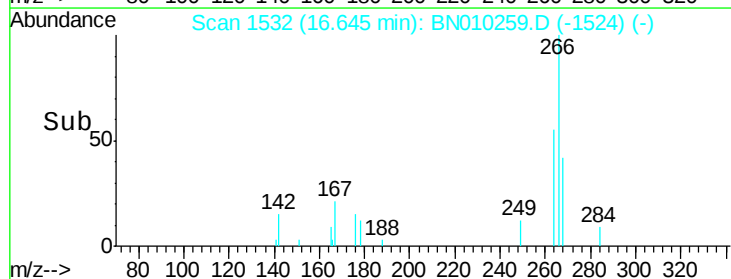
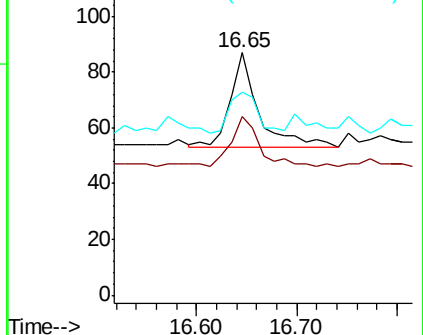
268 83.9 61.4 92.2

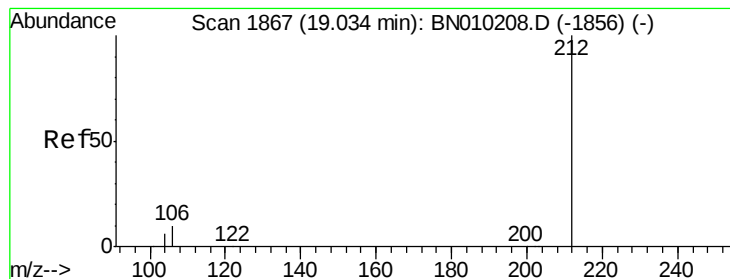


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 19.02 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

Instrument :

BNA_N

ClientSampleId :

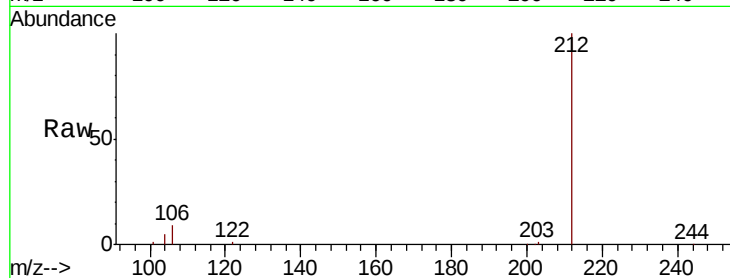
Tot Ion:212 Resp: 21765

Ion Ratio Lower Upper

212 100

106 9.7 8.1 12.1

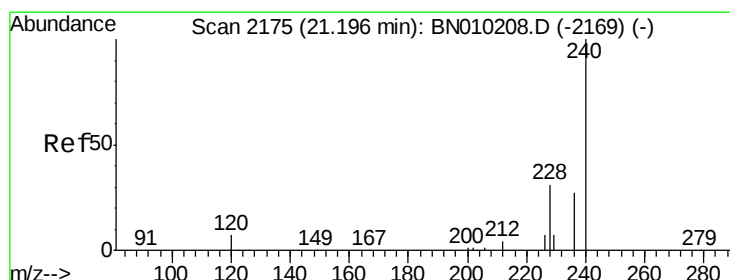
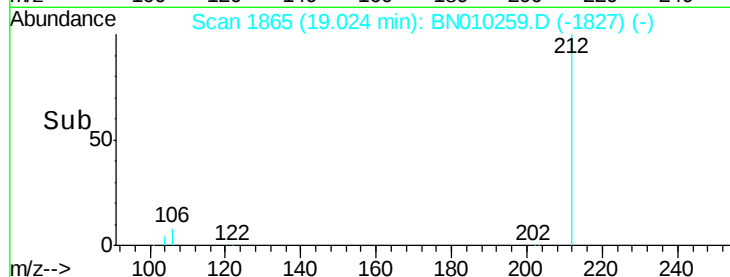
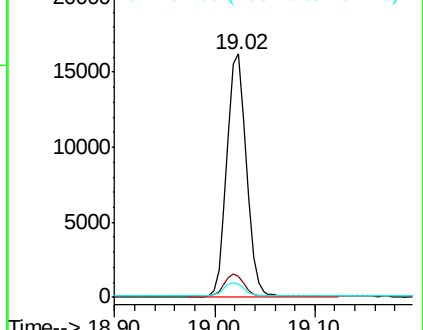
104 5.4 4.7 7.1



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: 21.19 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

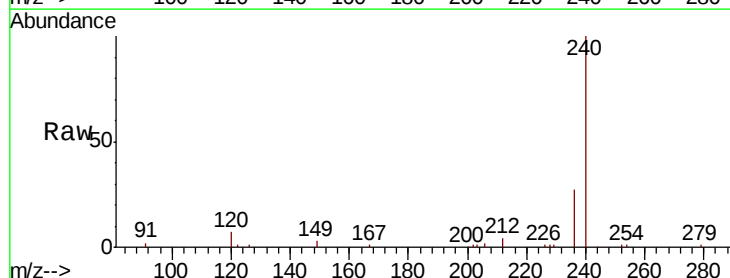
Tgt Ion:240 Resp: 20746

Ion Ratio Lower Upper

240 100

120 6.6 7.7 11.5#

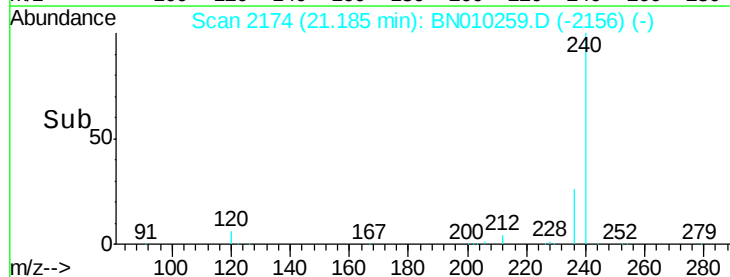
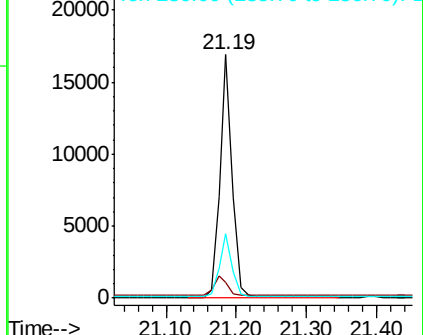
236 26.7 21.8 32.6

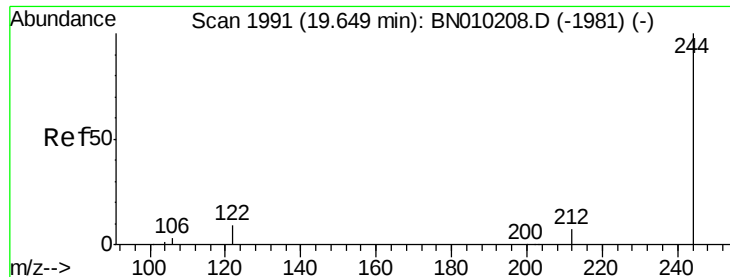


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.594 ng

RT: 19.63 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

Instrument :

BNA_N

ClientSampleId :

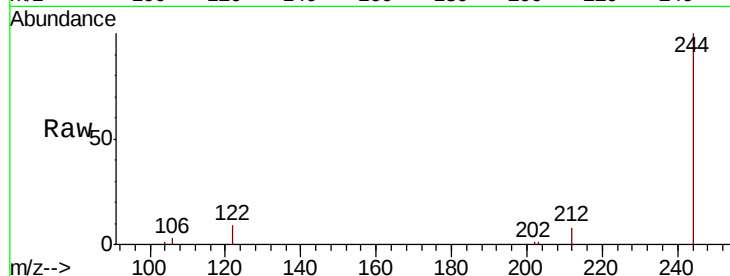
Tot Ion:244 Resp: 28081

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

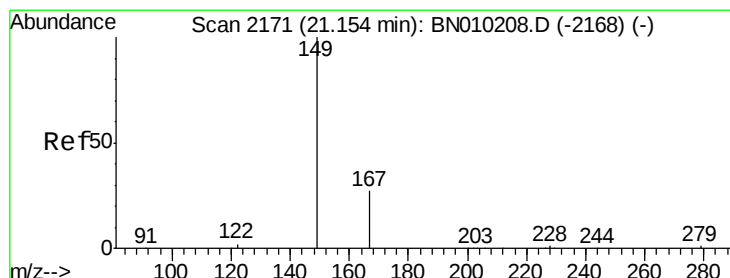
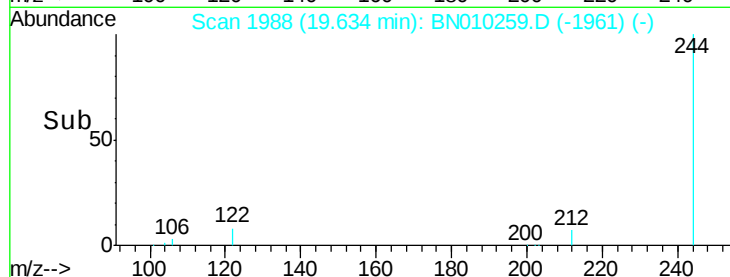
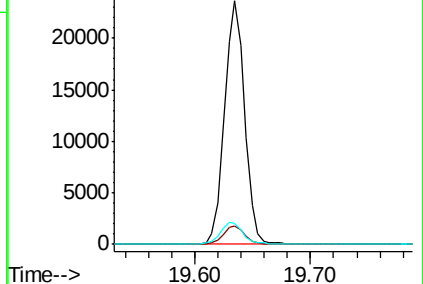
122 8.6 8.1 12.1



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: 0.078 ng

RT: 21.13 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

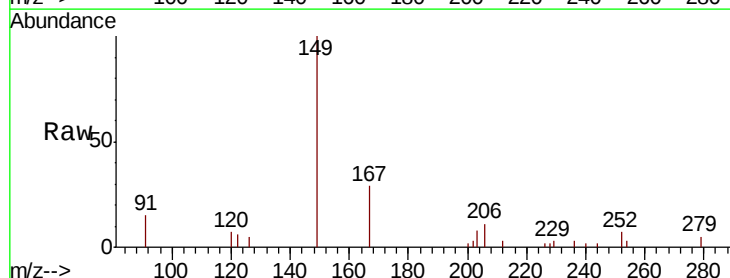
Tgt Ion:149 Resp: 2332

Ion Ratio Lower Upper

149 100

167 29.2 21.0 31.4

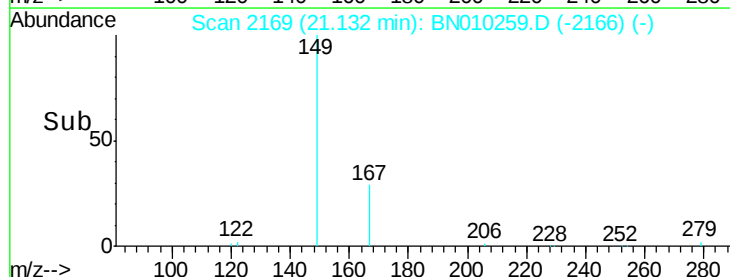
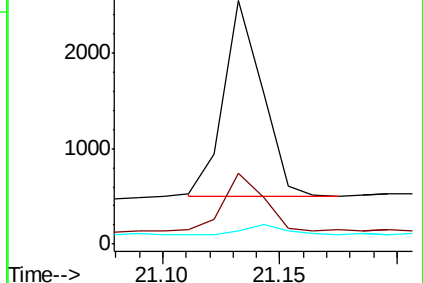
279 5.1 3.1 4.7#

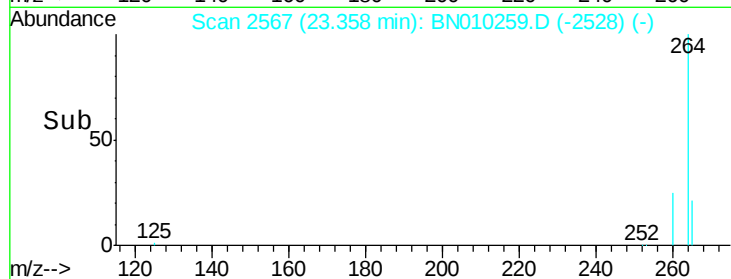
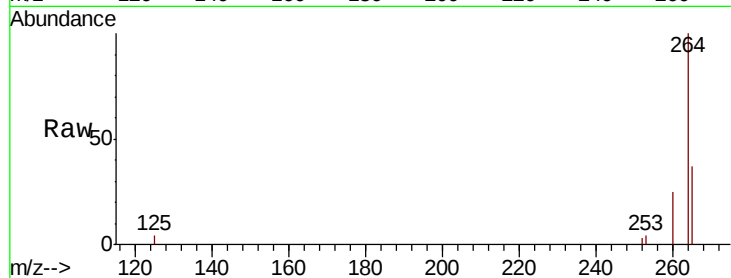
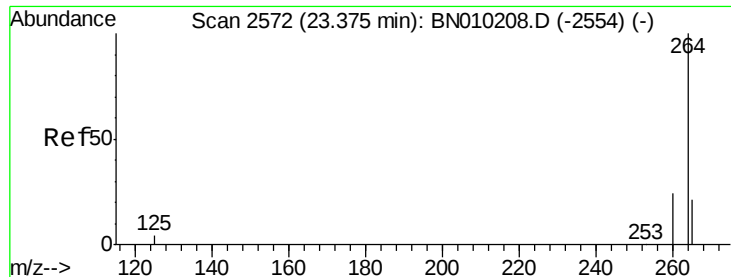


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.36 min Scan# 2567

Delta R.T. -0.02 min

Lab File: BN010259.D

Acq: 18 Mar 2020 10:38

Instrument :

BNA_N

ClientSampleId :

Tot Ion:264 Resp: 22351

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

265 36.5 25.8 38.6

