

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031720\
 Data File : BN010253.D
 Acq On : 18 Mar 2020 06:59
 Operator : CG/JU
 Sample : L1903-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE120D3-20200309

Quant Time: Mar 18 07:30:52 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	3681	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	12983	0.40	ng	-0.01
13) Acenaphthene-d10	14.25	164	7814	0.40	ng	-0.01
19) Phenanthrene-d10	16.99	188	18900	0.40	ng	-0.01
27) Chrysene-d12	21.19	240	20071	0.40	ng	-0.01
34) Perylene-d12	23.36	264	22930	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	1141	0.13	ng	0.00
5) Phenol-d6	6.81	99	893	0.08	ng	0.00
8) Nitrobenzene-d5	8.76	82	5166	0.66	ng	-0.01
11) 2-Methylnaphthalene-d10	11.98	152	7003	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.74	330	1058	0.38	ng	-0.01
15) 2-Fluorobiphenyl	12.86	172	23408	0.84	ng	-0.01
25) Fluoranthene-d10	19.02	212	19794	0.34	ng	-0.01
29) Terphenyl-d14	19.63	244	28995	0.63	ng	-0.02

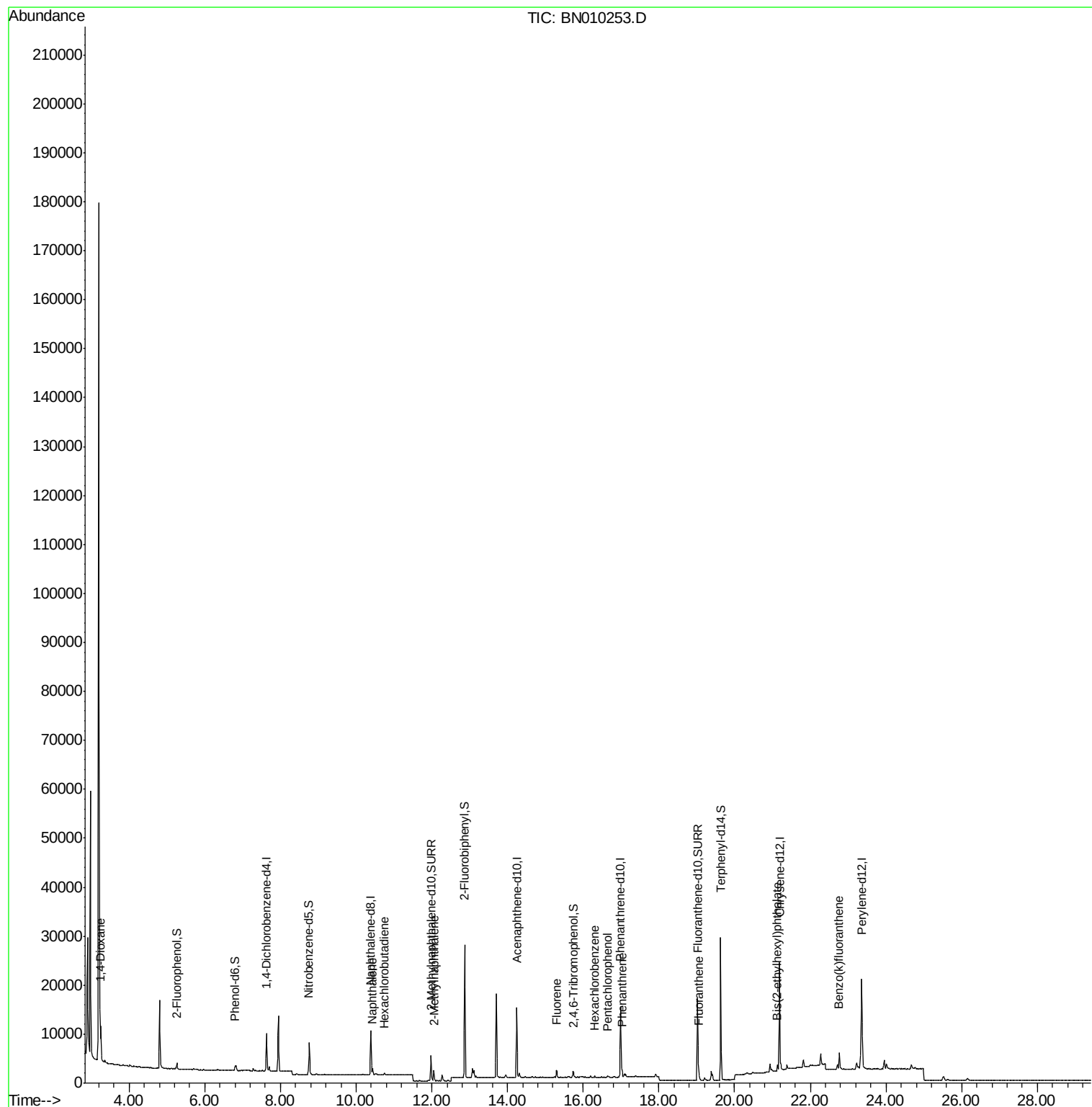
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.26	88	3765	1.048	ng	# 53
9) Naphthalene	10.43	128	1658	0.051	ng	# 93
10) Hexachlorobutadiene	10.75	225	221	0.030	ng	# 99
12) 2-Methylnaphthalene	12.05	142	1495	0.064	ng	97
18) Fluorene	15.29	166	625	0.021	ng	99
21) Hexachlorobenzene	16.31	284	236	0.022	ng	# 89
22) Pentachlorophenol	16.65	266	184	0.056	ng	98
23) Phenanthrene	17.03	178	1027	0.020	ng	# 94
26) Fluoranthene	19.05	202	1313	0.021	ng	95
32) Bis(2-ethylhexyl)phthalate	21.13	149	1159	0.040	ng	# 96
36) Benzo(k)fluoranthene	22.76	252	1464	0.021	ng	# 1

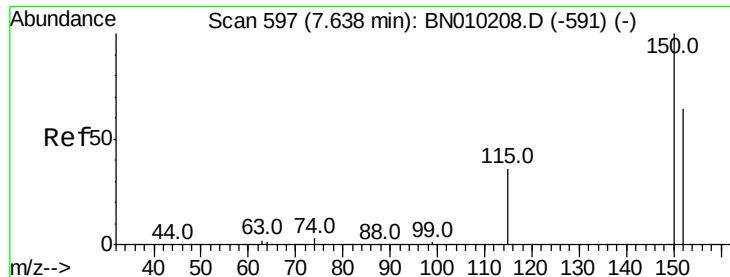
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

RE120D3-20200309

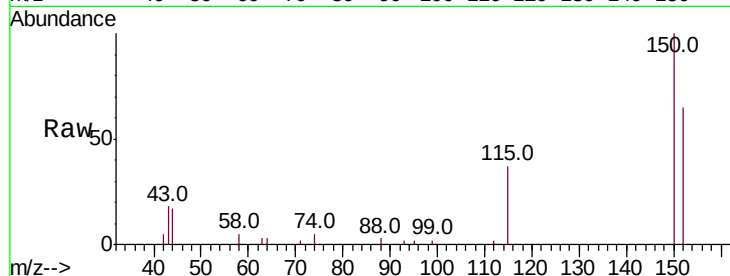
Tot Ion:152 Resp: 3681

Ion Ratio Lower Upper

152 100

150 154.2 119.5 179.3

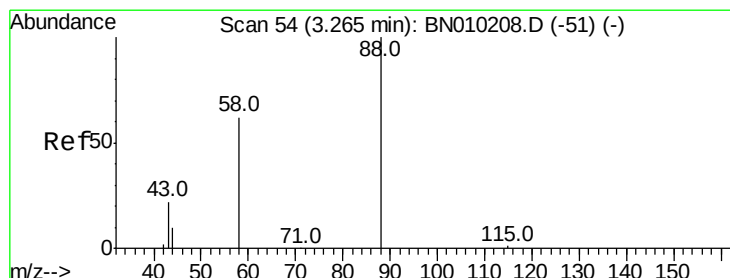
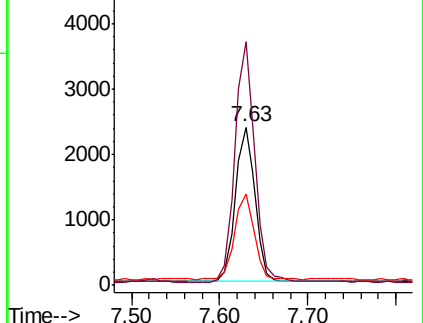
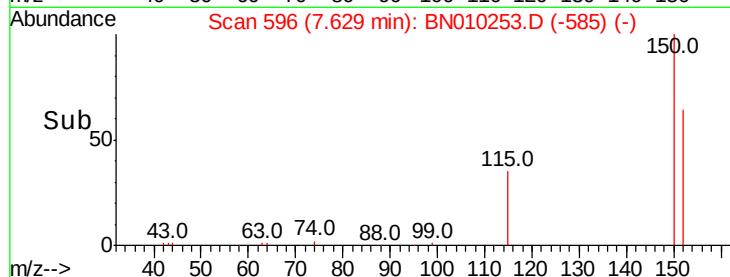
115 57.4 50.9 76.3



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: 1.048 ng

RT: 3.26 min Scan# 53

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

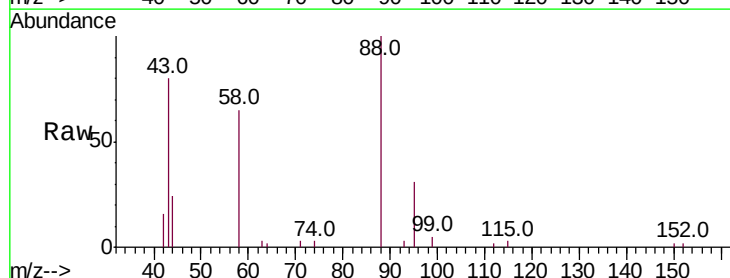
Tgt Ion: 88 Resp: 3765

Ion Ratio Lower Upper

88 100

58 63.3 97.8 146.8#

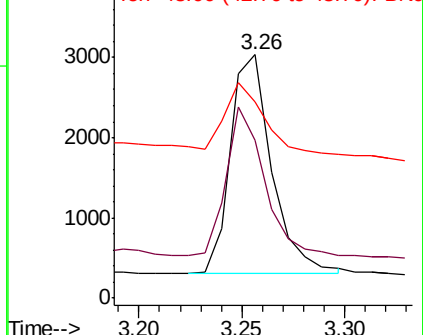
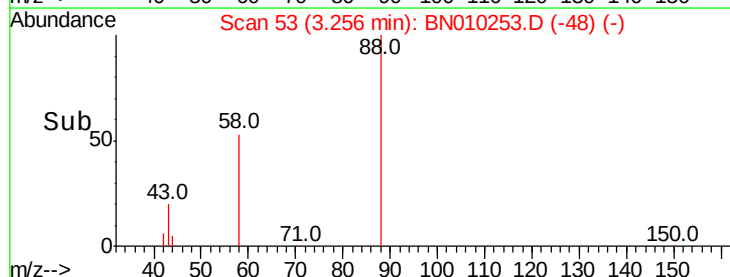
43 30.9 45.1 67.7#

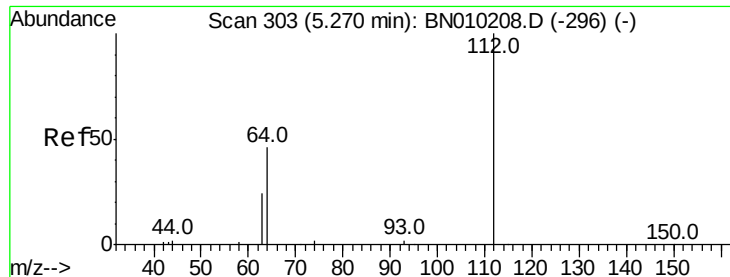


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.132 ng

RT: 5.26 min Scan# 302

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

RE120D3-20200309

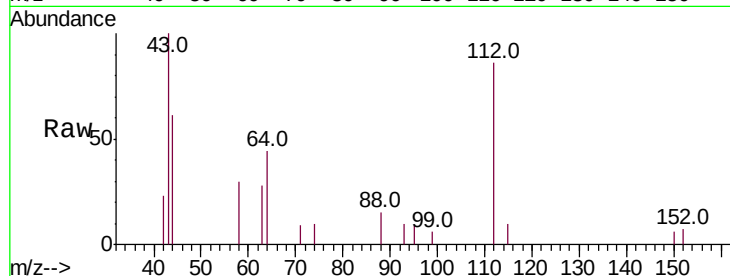
Tot Ion:112 Resp: 1141

Ion Ratio Lower Upper

112 100

64 53.3 42.6 63.8

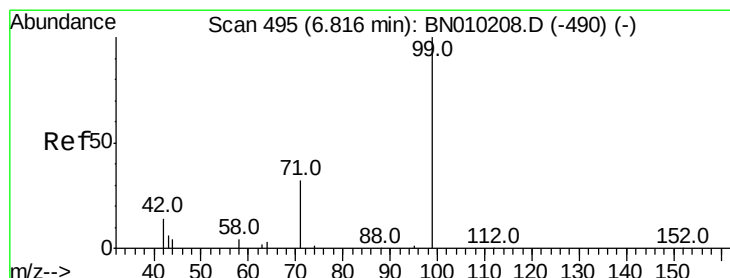
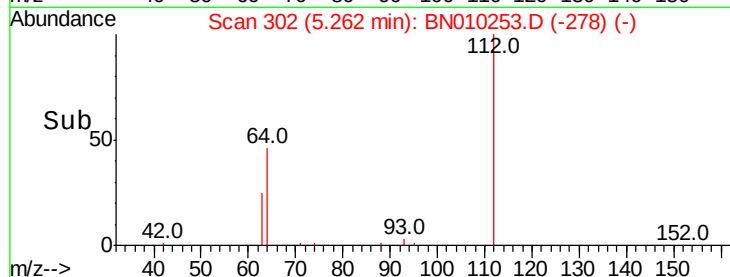
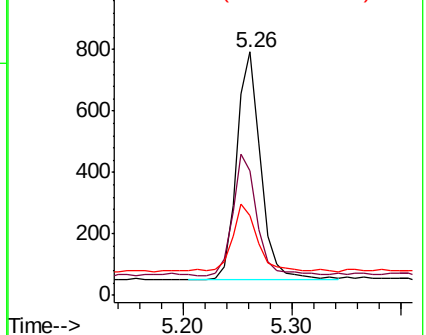
63 30.9 23.6 35.4



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: 0.083 ng

RT: 6.81 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

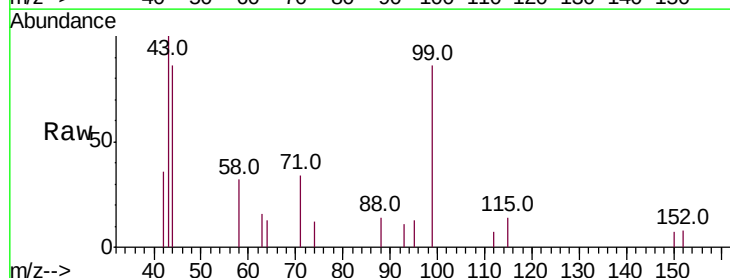
Tgt Ion: 99 Resp: 893

Ion Ratio Lower Upper

99 100

42 37.7 12.0 18.0#

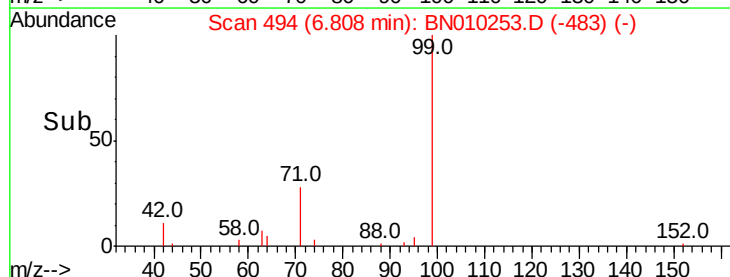
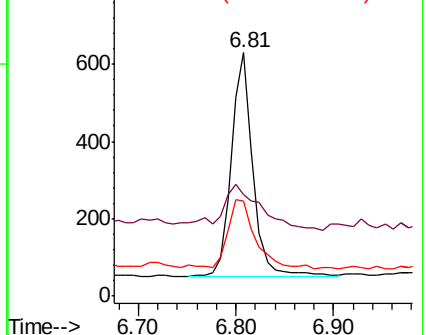
71 41.2 22.6 33.8#

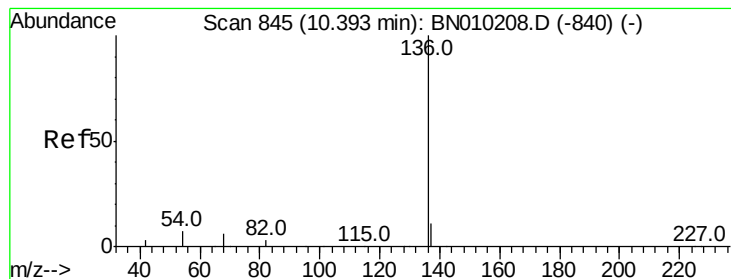


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.38 min Scan# 844

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

RE120D3-20200309

Tot Ion:136 Resp: 12983

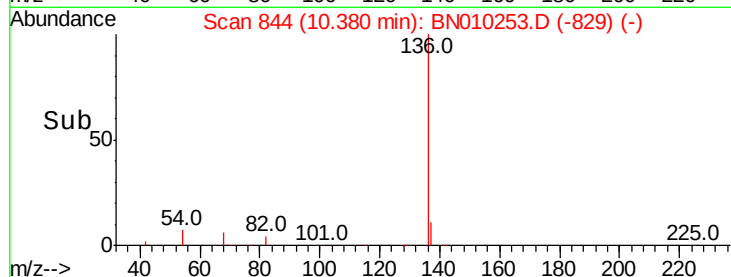
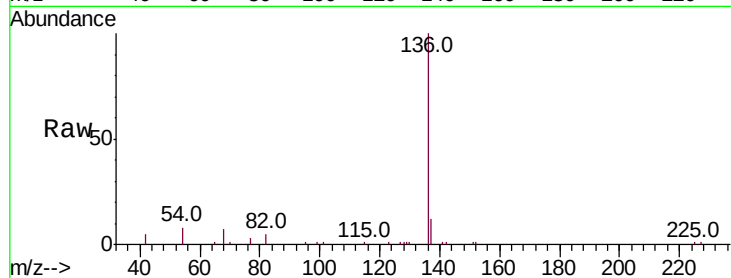
Ion Ratio Lower Upper

136 100

137 11.6 10.6 15.8

54 8.5 9.5 14.3#

68 7.2 9.7 14.5#

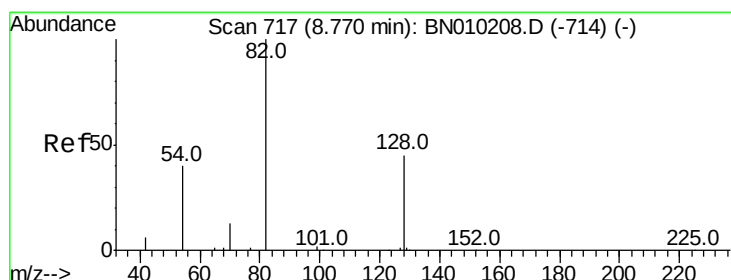
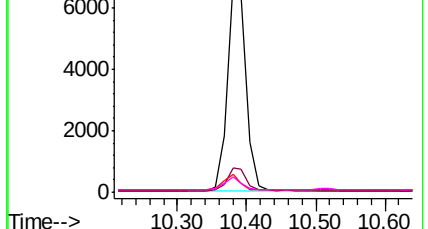


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.664 ng

RT: 8.76 min Scan# 716

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

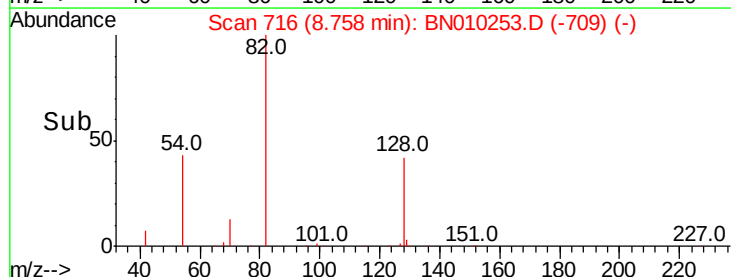
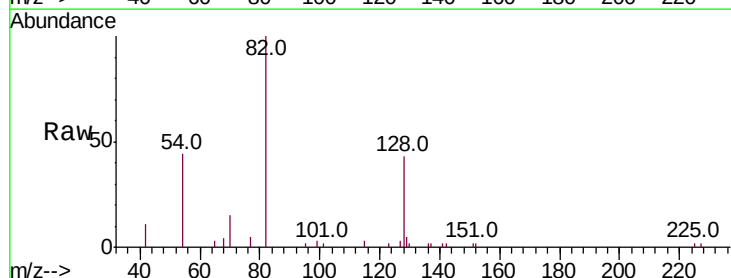
Tgt Ion: 82 Resp: 5166

Ion Ratio Lower Upper

82 100

128 43.0 35.0 52.6

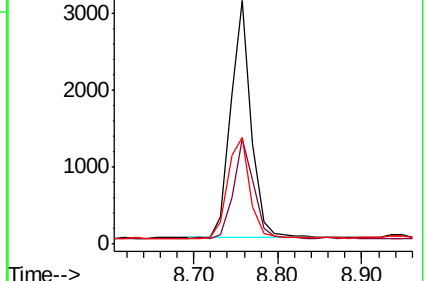
54 43.9 37.0 55.4

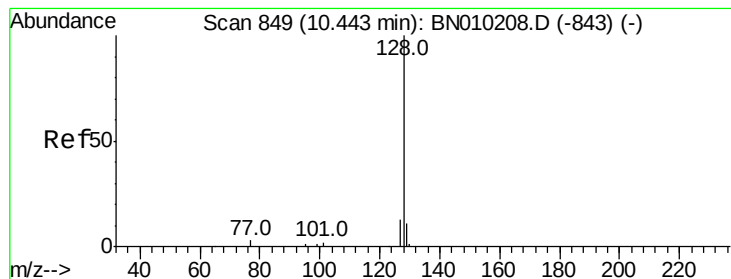


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.051 ng

RT: 10.43 min Scan# 848

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

RE120D3-20200309

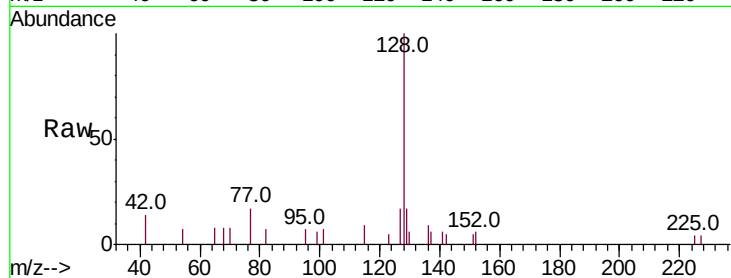
Tot Ion:128 Resp: 1658

Ion Ratio Lower Upper

128 100

129 17.2 10.5 15.7#

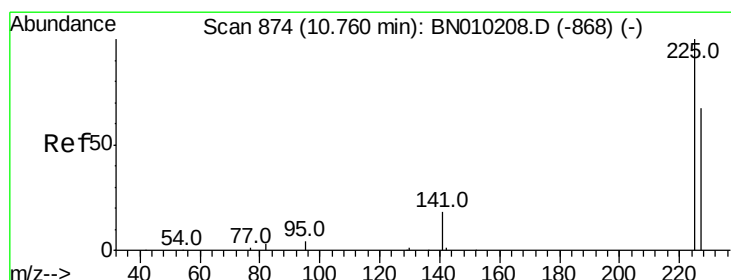
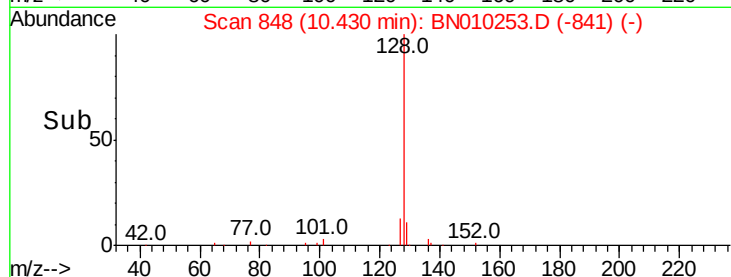
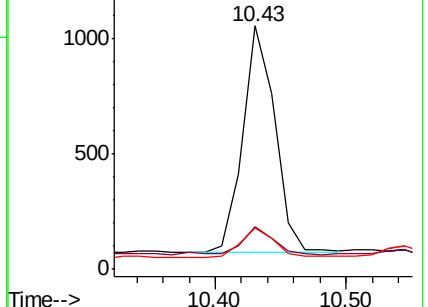
127 17.1 12.1 18.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.030 ng

RT: 10.75 min Scan# 873

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

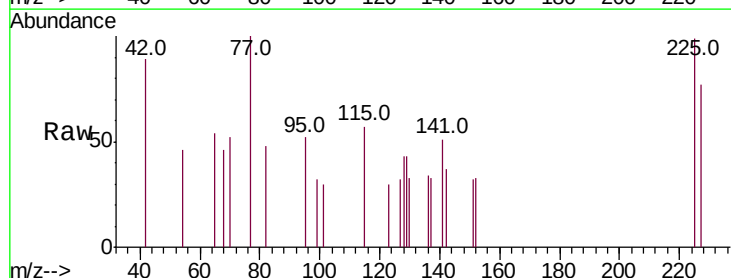
Tgt Ion:225 Resp: 221

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

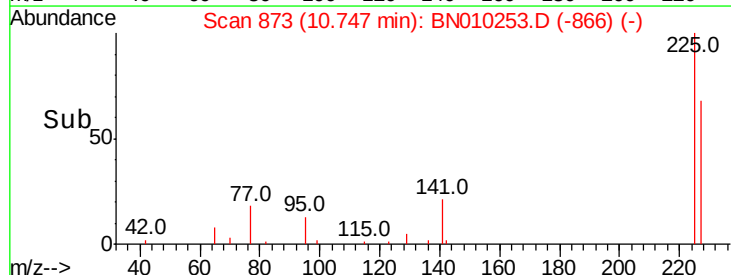
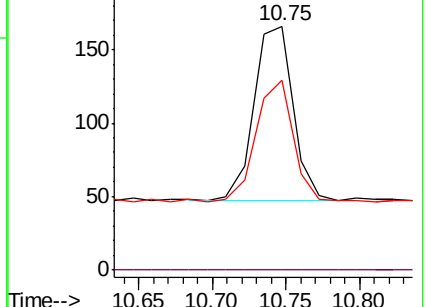
227 67.4 53.4 80.2

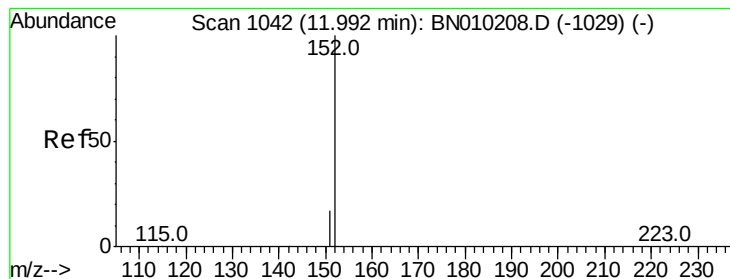


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.327 ng

RT: 11.98 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

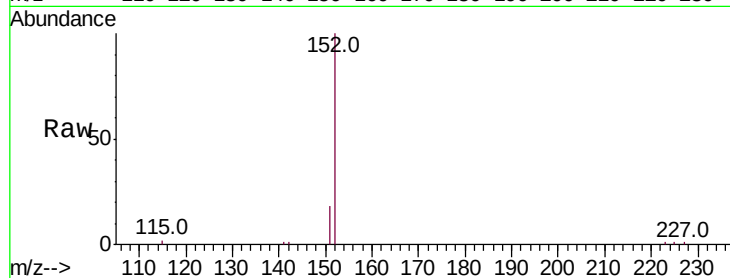
RE120D3-20200309

Tot Ion:152 Resp: 7003

Ion Ratio Lower Upper

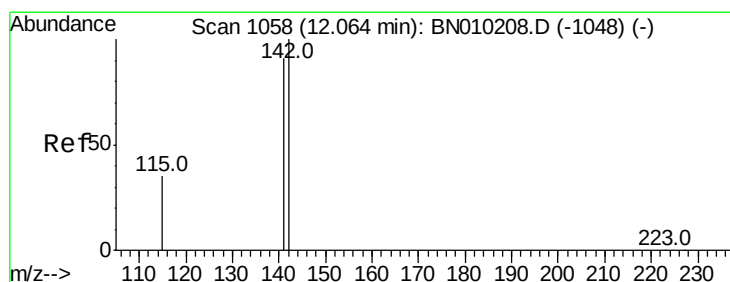
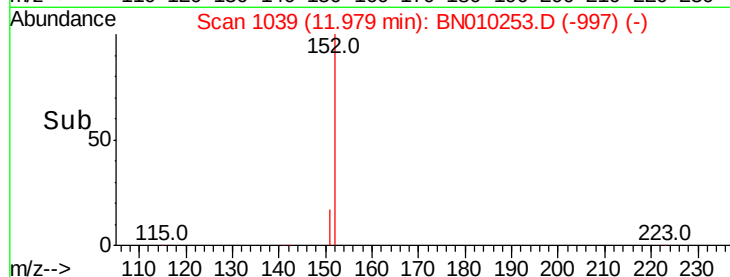
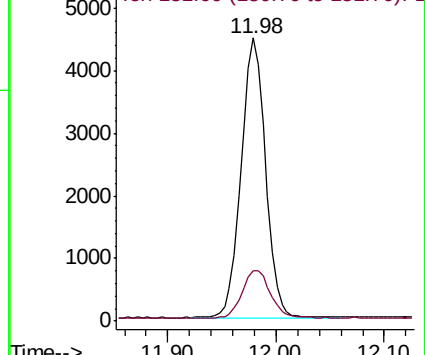
152 100

151 19.4 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.064 ng

RT: 12.05 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

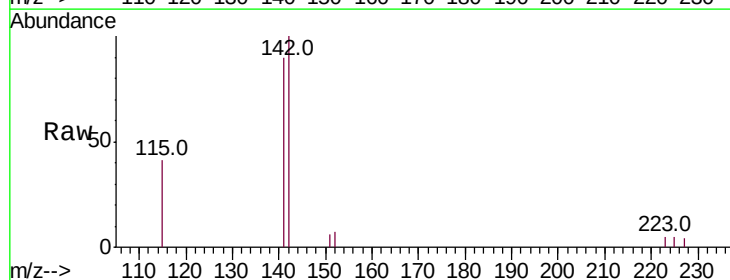
Tgt Ion:142 Resp: 1495

Ion Ratio Lower Upper

142 100

141 89.9 73.7 110.5

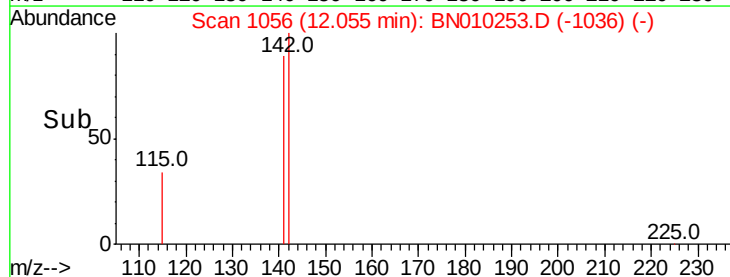
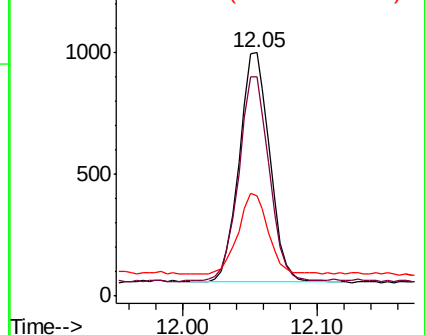
115 41.3 31.2 46.8

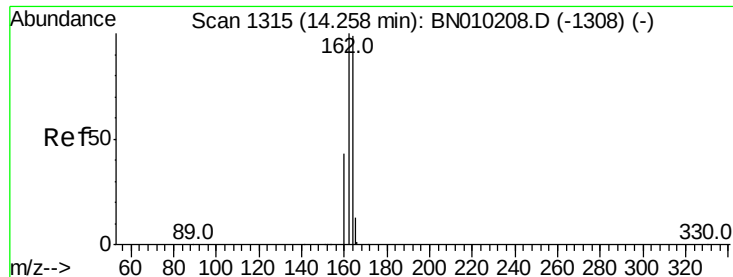


Abundance Ion 142.00 (141.70 to 142.70): E

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: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

RE120D3-20200309

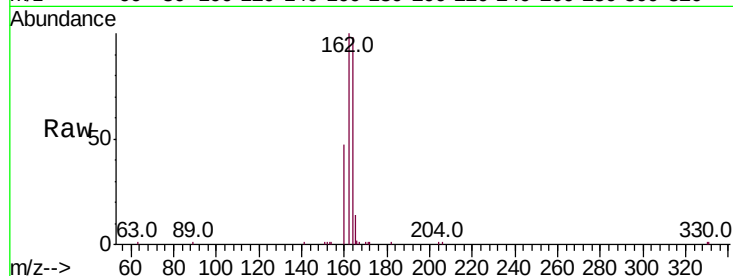
Tot Ion:164 Resp: 7814

Ion Ratio Lower Upper

164 100

162 102.1 81.0 121.4

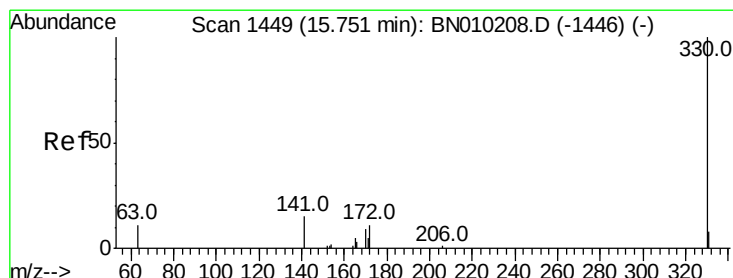
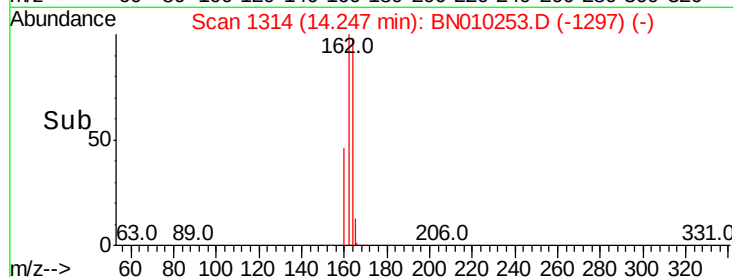
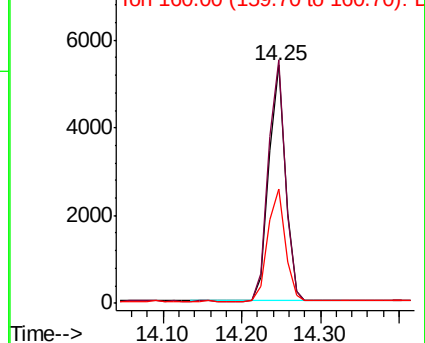
160 47.9 35.6 53.4



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: 0.378 ng

RT: 15.74 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

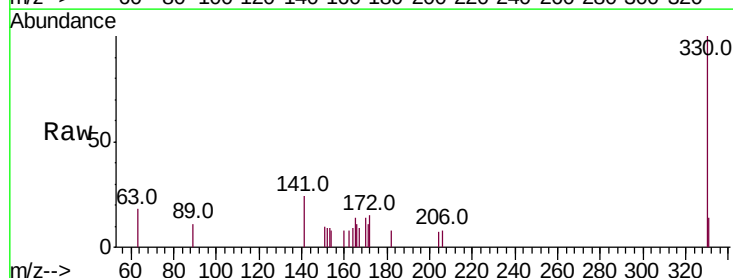
Tgt Ion:330 Resp: 1058

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

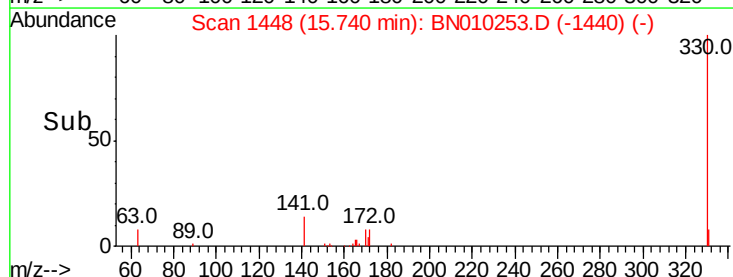
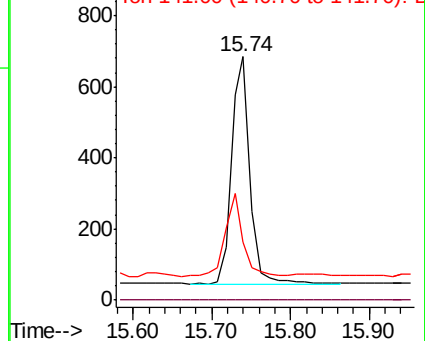
141 34.2 25.1 37.7

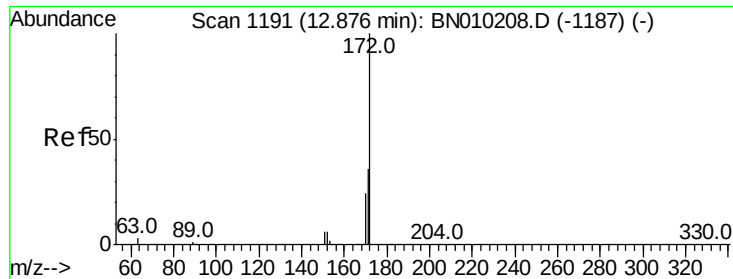


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

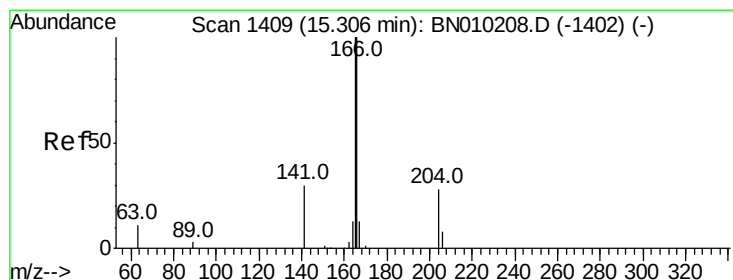
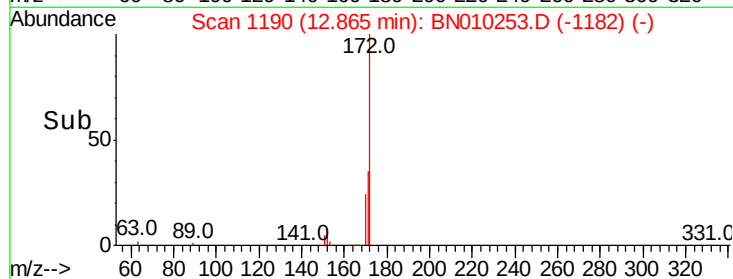
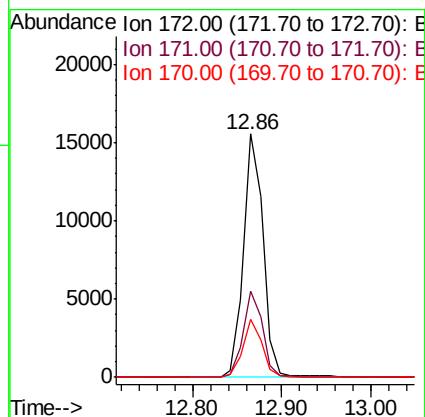
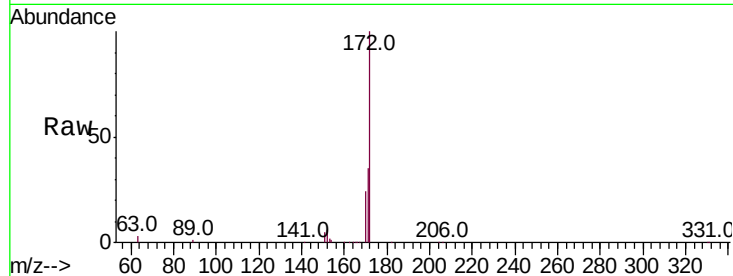




#15
2-Fluorobiphenyl
Concen: 0.841 ng
RT: 12.86 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BN010253.D
Acq: 18 Mar 2020 06:59

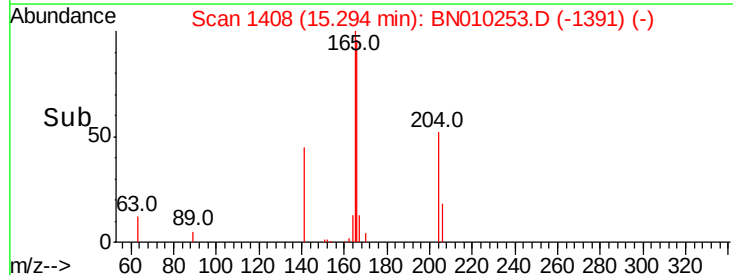
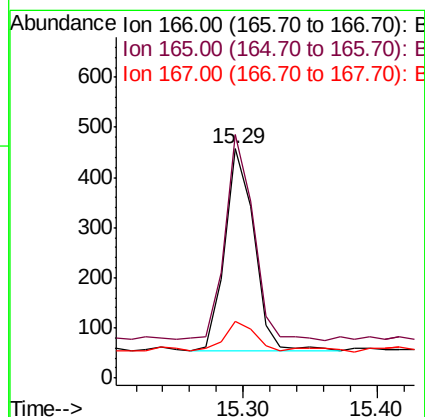
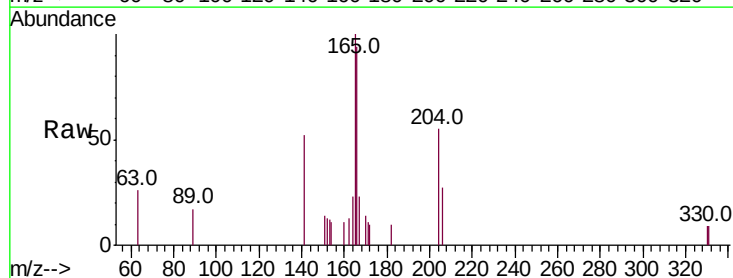
Instrument :
BNA_N
ClientSampleId :
RE120D3-20200309

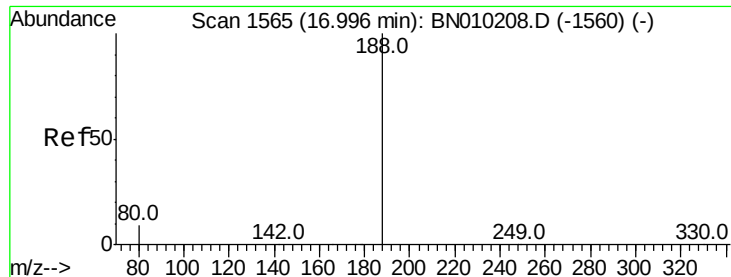
Tot Ion:172 Resp: 23408
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.2
170 23.9 20.2 30.4



#18
Fluorene
Concen: 0.021 ng
RT: 15.29 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BN010253.D
Acq: 18 Mar 2020 06:59

Tgt Ion:166 Resp: 625
Ion Ratio Lower Upper
166 100
165 98.4 78.3 117.5
167 14.6 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.99 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

RE120D3-20200309

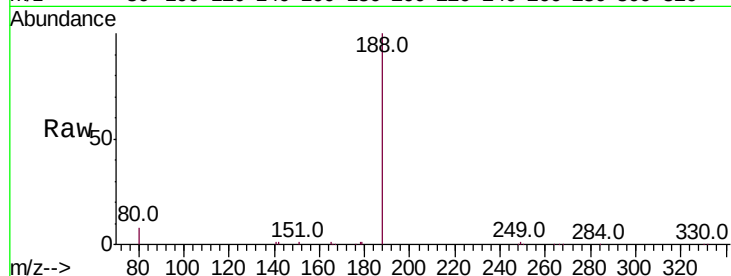
Tot Ion:188 Resp: 18900

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

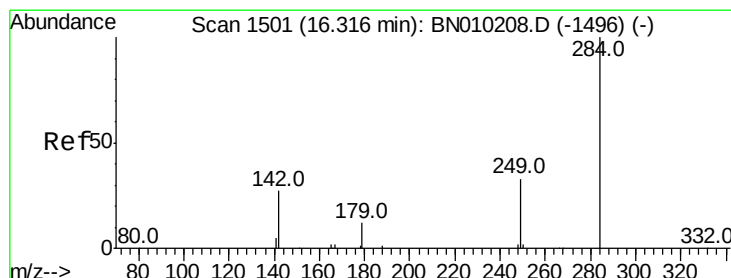
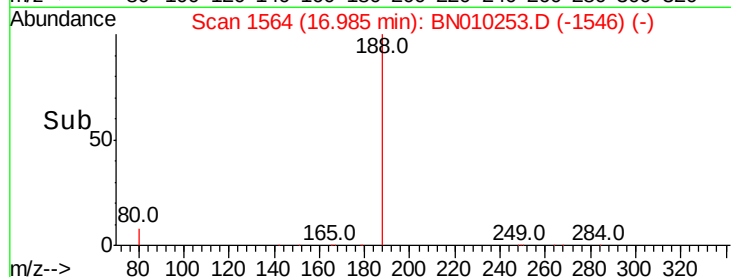
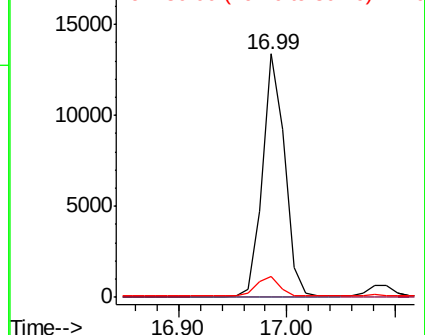
80 8.5 8.6 12.8#



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



#21

Hexachlorobenzene

Concen: 0.022 ng

RT: 16.31 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

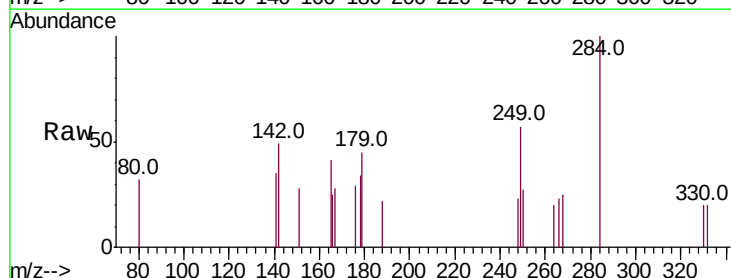
Tgt Ion:284 Resp: 236

Ion Ratio Lower Upper

284 100

142 39.8 27.8 41.6

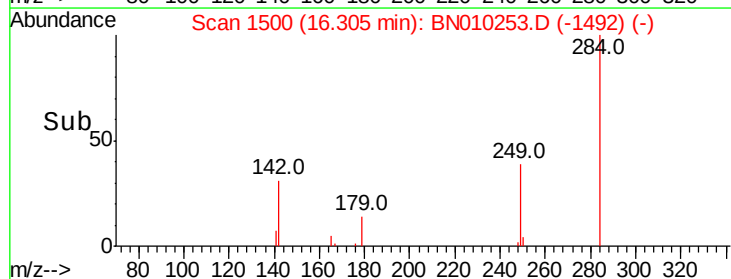
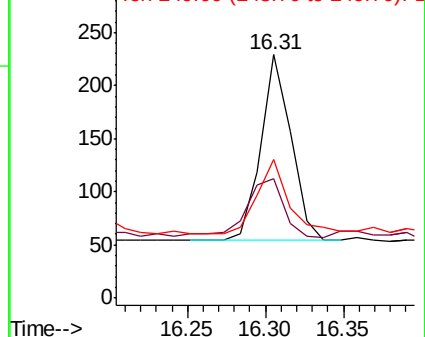
249 41.1 26.6 39.8#

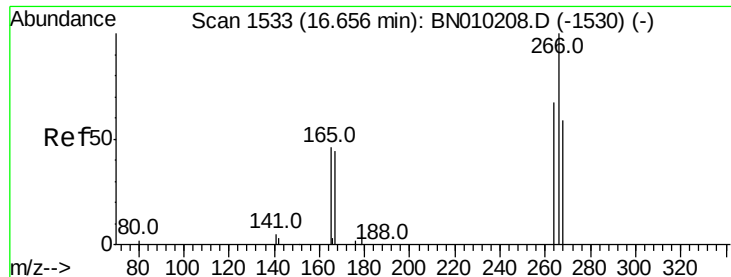


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

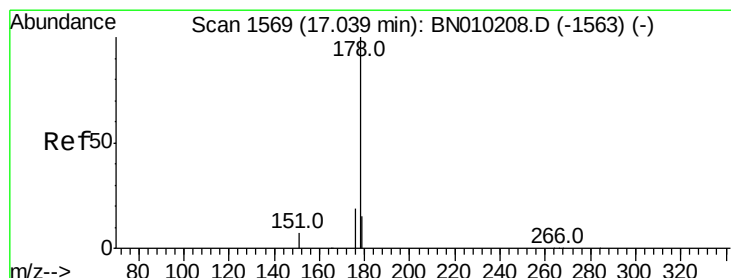
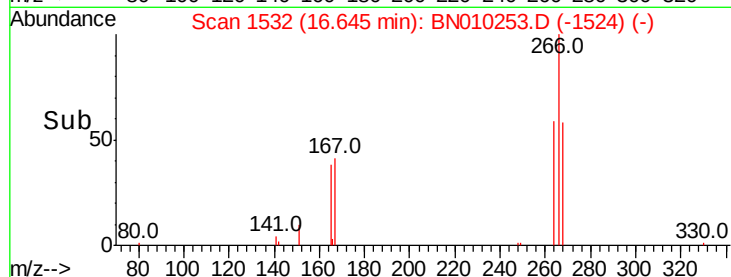
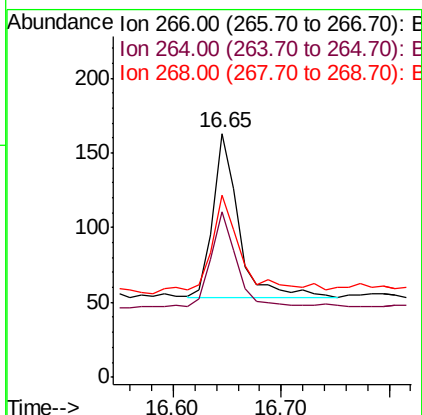
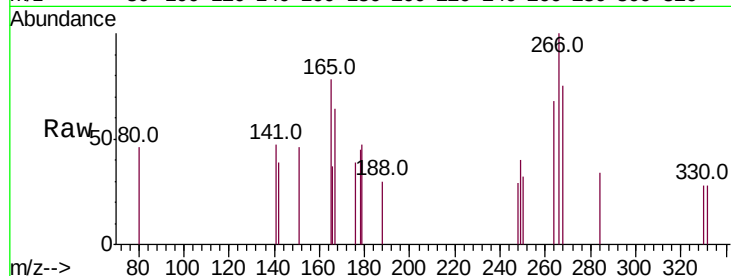




#22
 Pentachlorophenol
 Concen: 0.056 ng
 RT: 16.65 min Scan# 1532
 Delta R.T. -0.01 min
 Lab File: BN010253.D
 Acq: 18 Mar 2020 06:59

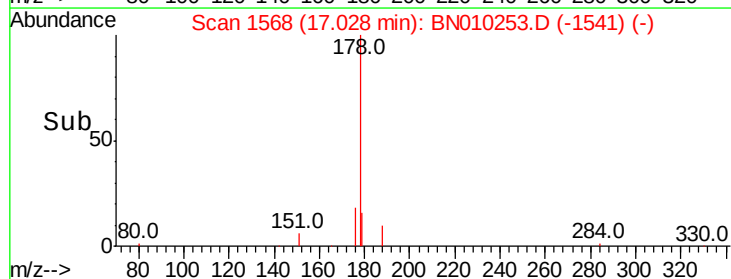
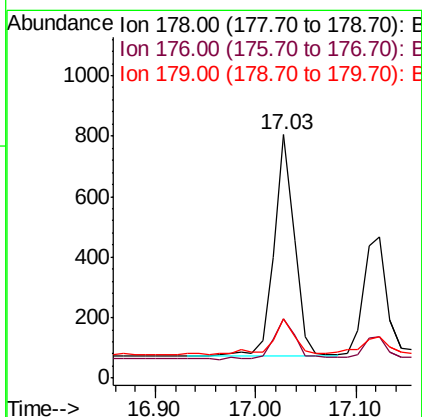
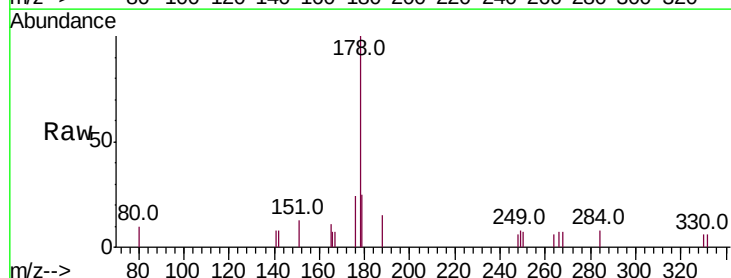
Instrument :
 BNA_N
 ClientSampleId :
 RE120D3-20200309

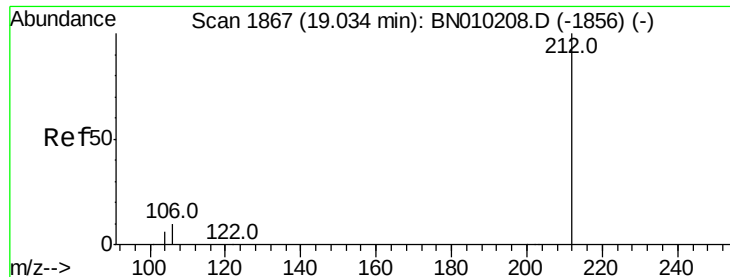
Tot Ion:266 Resp: 184
 Ion Ratio Lower Upper
 266 100
 264 68.1 56.2 84.2
 268 74.8 61.4 92.2



#23
 Phenanthrene
 Concen: 0.020 ng
 RT: 17.03 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BN010253.D
 Acq: 18 Mar 2020 06:59

Tgt Ion:178 Resp: 1027
 Ion Ratio Lower Upper
 178 100
 176 21.0 15.0 22.4
 179 18.9 12.5 18.7#





#25

Fluoranthene-d10

Concen: 0.339 ng

RT: 19.02 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

RE120D3-20200309

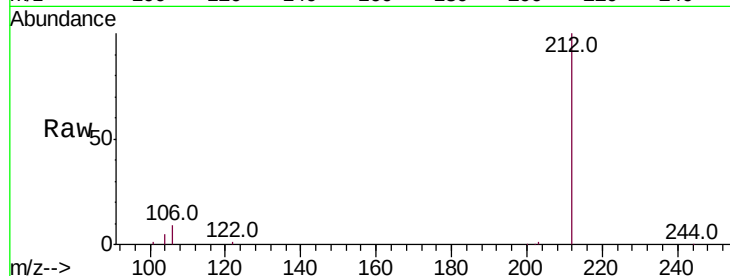
Tot Ion:212 Resp: 19794

Ion Ratio Lower Upper

212 100

106 9.5 8.1 12.1

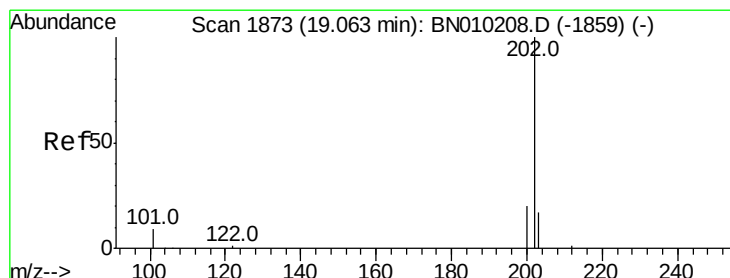
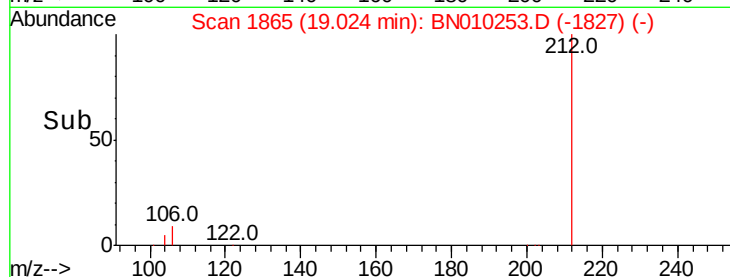
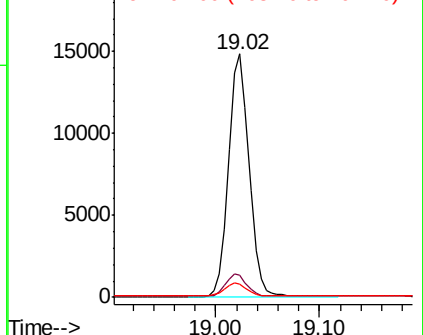
104 5.3 4.7 7.1



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



#26

Fluoranthene

Concen: 0.021 ng

RT: 19.05 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

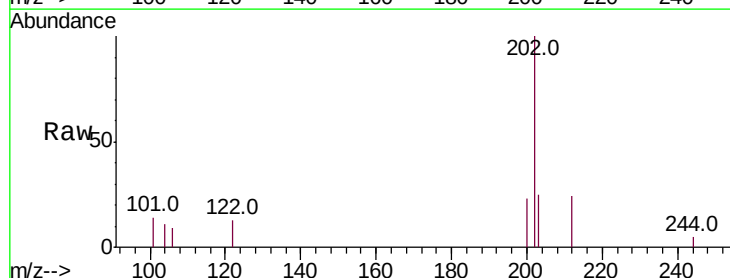
Tgt Ion:202 Resp: 1313

Ion Ratio Lower Upper

202 100

101 7.8 7.0 10.6

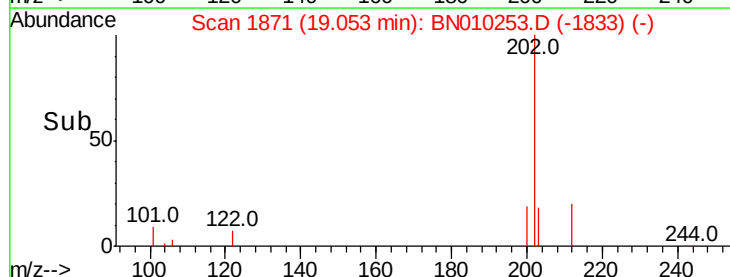
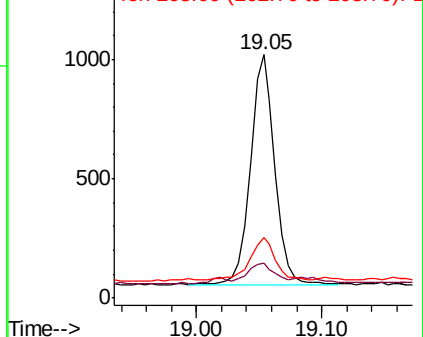
203 19.8 13.9 20.9

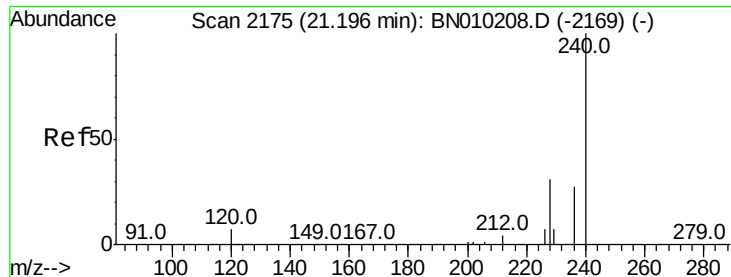


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

RE120D3-20200309

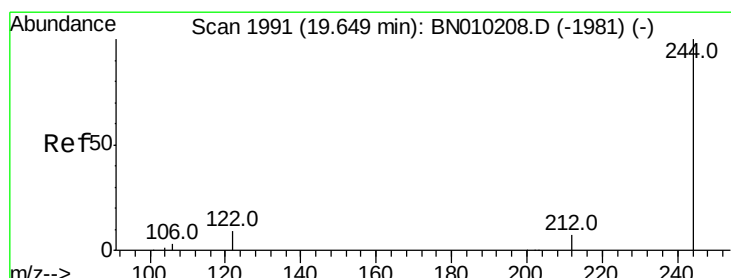
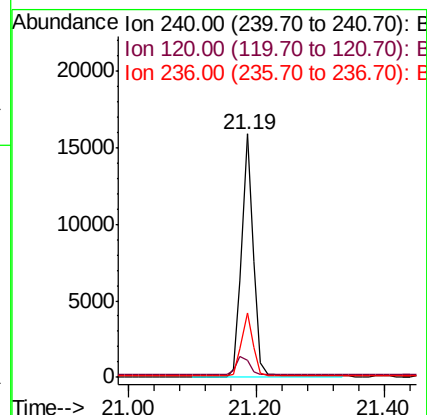
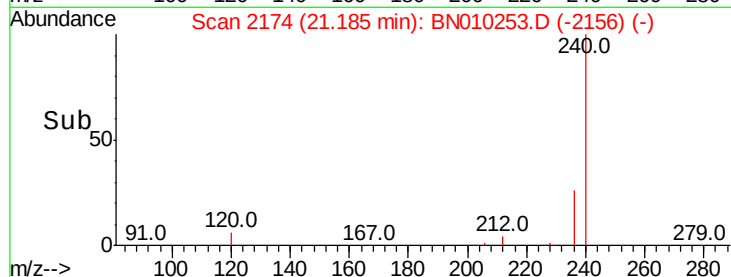
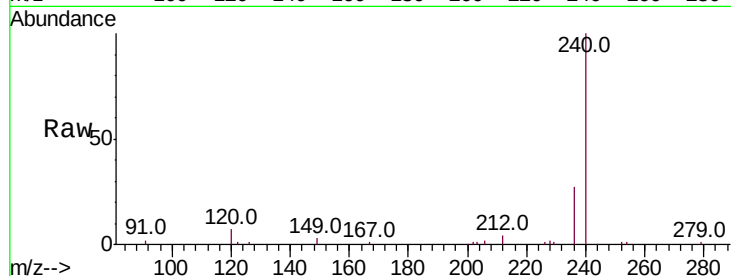
Tot Ion:240 Resp: 20071

Ion Ratio Lower Upper

240 100

120 7.1 7.7 11.5#

236 26.6 21.8 32.6



#29

Terphenyl-d14

Concen: 0.634 ng

RT: 19.63 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

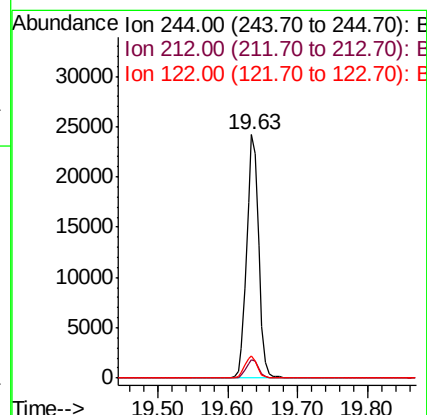
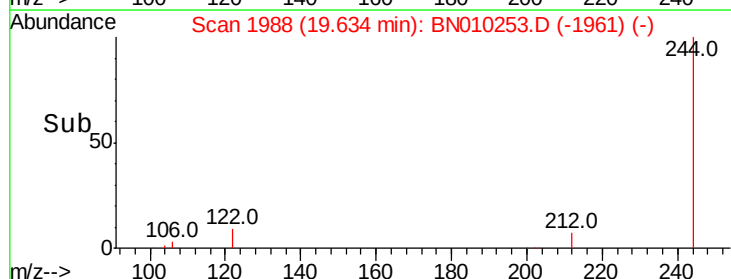
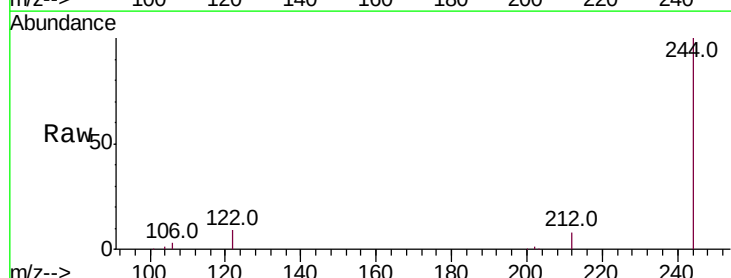
Tgt Ion:244 Resp: 28995

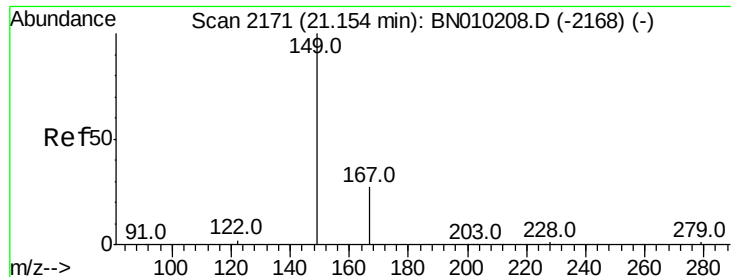
Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

122 9.3 8.1 12.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.040 ng

RT: 21.13 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

RE120D3-20200309

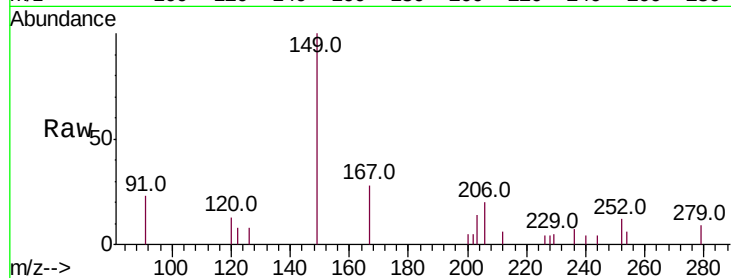
Tot Ion:149 Resp: 1159

Ion Ratio Lower Upper

149 100

167 27.9 21.0 31.4

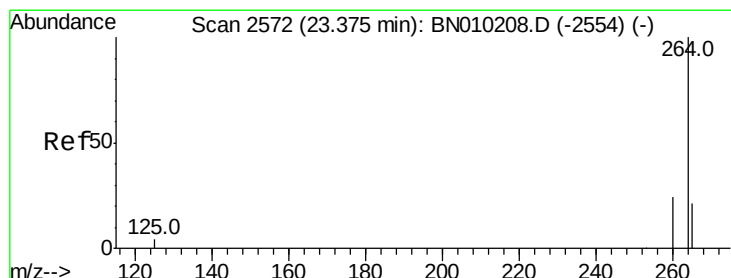
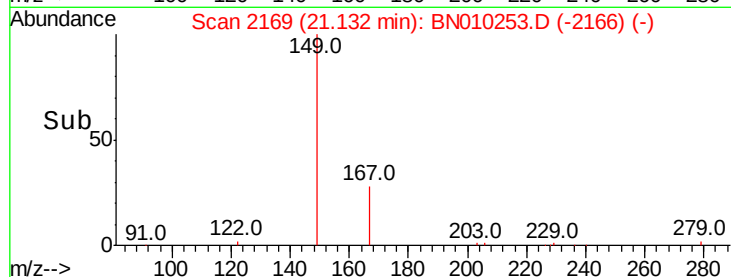
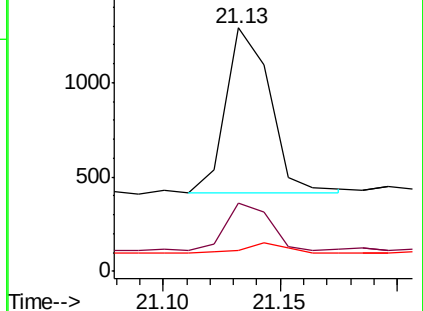
279 5.7 3.1 4.7#



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

Perylene-d12

Concen: 0.400 ng

RT: 23.36 min Scan# 2567

Delta R.T. -0.02 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

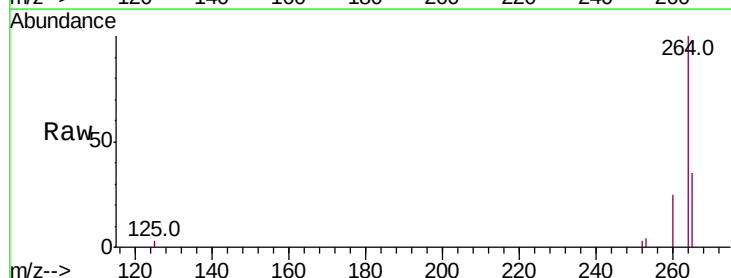
Tgt Ion:264 Resp: 22930

Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

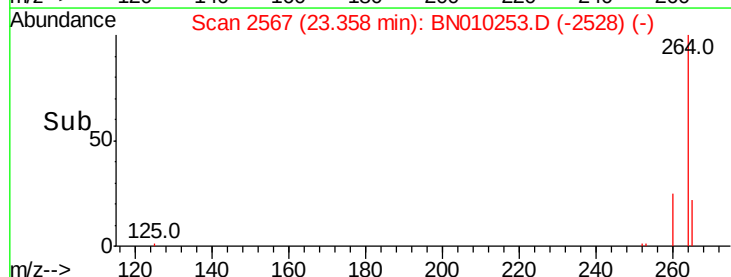
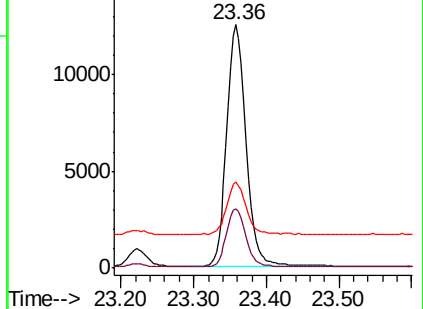
265 35.4 25.8 38.6

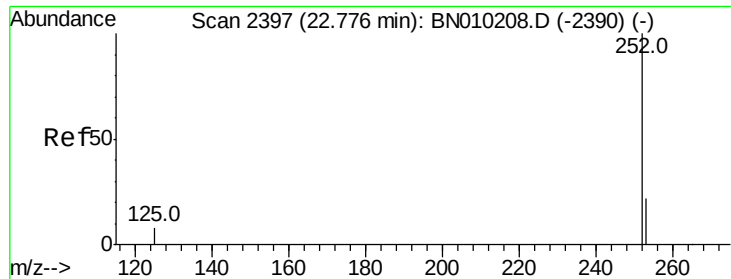


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#36

Benzo(k)fluoranthene

Concen: 0.021 ng

RT: 22.76 min Scan# 2392

Delta R.T. -0.02 min

Lab File: BN010253.D

Acq: 18 Mar 2020 06:59

Instrument :

BNA_N

ClientSampleId :

RE120D3-20200309

Tot Ion: 252 Resp: 1464

Ion Ratio Lower Upper

252 100

253 60.4 18.8 28.2#

125 108.9 8.2 12.4#

