

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061520\
 Data File : BN010894.D
 Acq On : 16 Jun 2020 06:47
 Operator : CG/JU
 Sample : L2989-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

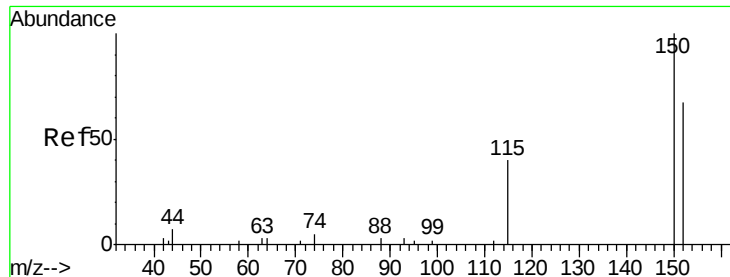
Quant Time: Jun 16 07:20:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 11:09:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2478	0.40	ng	0.00
7) Naphthalene-d8	10.30	136	8714	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	4898	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	9691	0.40	ng	0.00
27) Chrysene-d12	21.12	240	8610	0.40	ng	0.00
34) Perylene-d12	23.27	264	9077	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	775	0.16	ng	0.00
5) Phenol-d6	6.74	99	530	0.09	ng	0.00
8) Nitrobenzene-d5	8.68	82	2343	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	4287	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	561	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	7571	0.39	ng	0.00
25) Fluoranthene-d10	18.96	212	9441	0.35	ng	0.00
29) Terphenyl-d14	19.57	244	9801	0.49	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	11328	4.667	ng	96
3) n-Nitrosodimethylamine	3.47	42	113	0.080	ng	# 1
6) bis(2-Chloroethyl)ether	6.99	93	279	0.051	ng	98
12) 2-Methylnaphthalene	11.97	142	370	0.025	ng	# 88
21) Hexachlorobenzene	16.24	284	145	0.024	ng	# 91
23) Phenanthrene	16.96	178	702	0.027	ng	100
26) Fluoranthene	18.99	202	727	0.024	ng	# 91
28) Pyrene	19.35	202	723	0.025	ng	96
30) Benzo(a)anthracene	21.11	228	643	0.025	ng	# 82
31) Chrysene	21.16	228	746	0.025	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.06	149	970	0.115	ng	# 95
35) Benzo(b)fluoranthene	22.64	252	665	0.022	ng	# 1
36) Benzo(k)fluoranthene	22.68	252	686	0.021	ng	# 1
37) Benzo(a)pyrene	23.18	252	615	0.023	ng	# 1

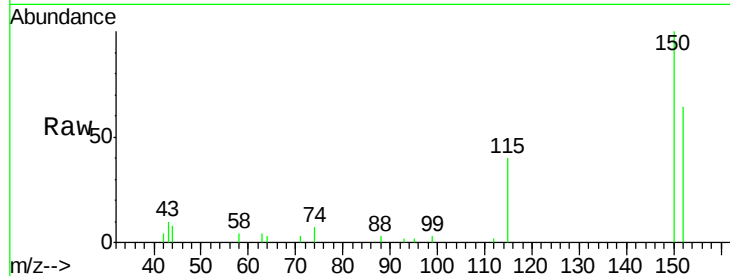
(#) = qualifier out of range (m) = manual integration (+) = signals summed



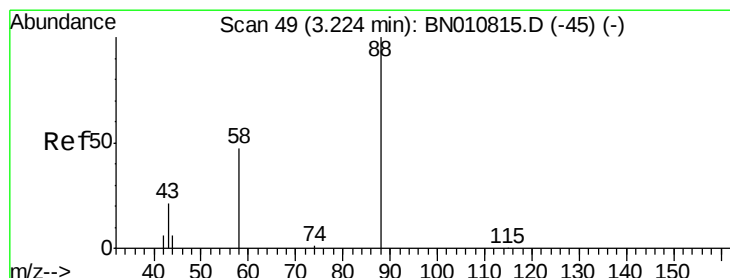
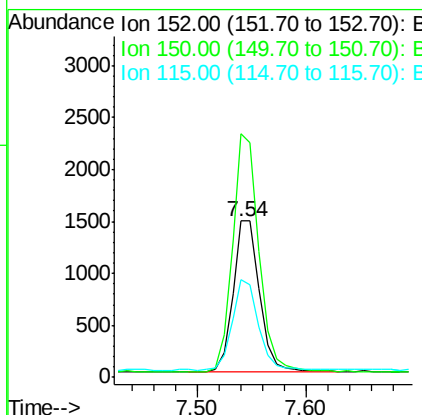
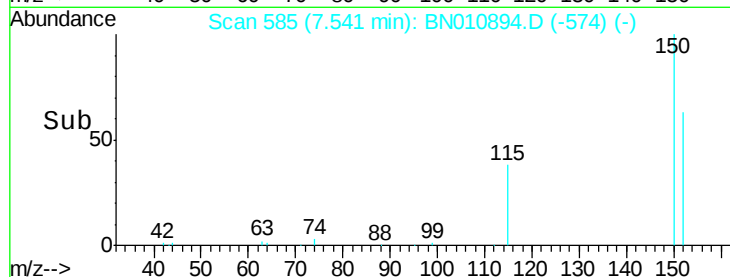
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.54 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:152 Resp: 2478
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.8 185.6
 115 62.8 49.2 73.8

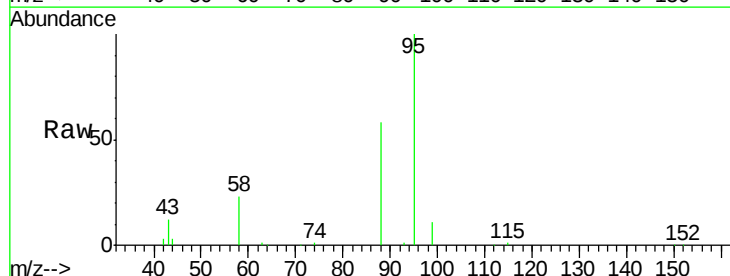


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

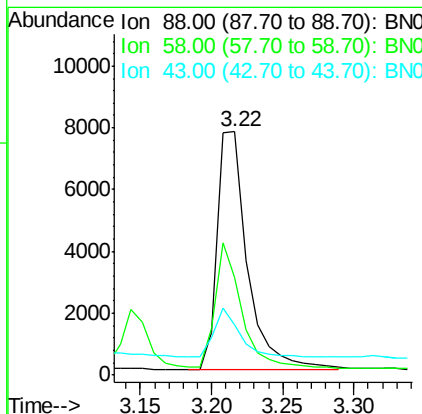
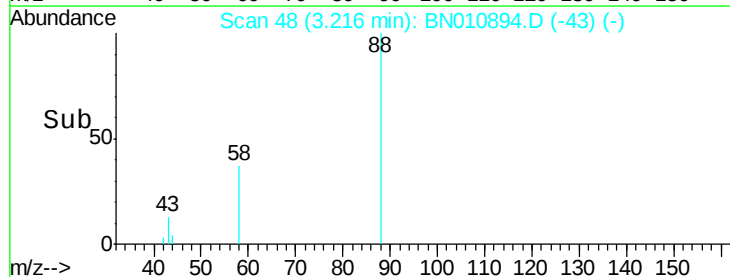


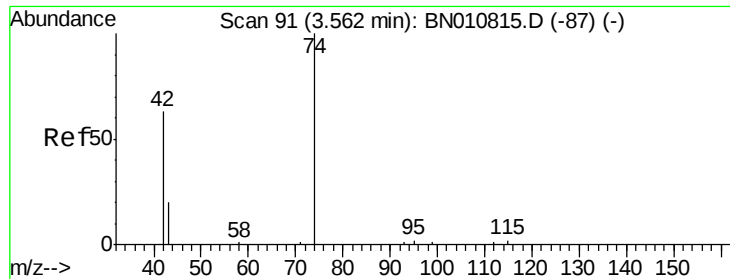
#2
 1,4-Dioxane
 Concen: 4.667 ng
 RT: 3.22 min Scan# 48
 Delta R.T. -0.01 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Tgt Ion: 88 Resp: 11328
 Ion Ratio Lower Upper
 88 100
 58 45.2 38.2 57.4
 43 17.5 15.1 22.7



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



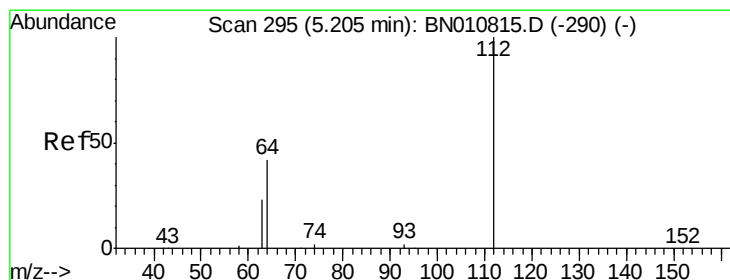
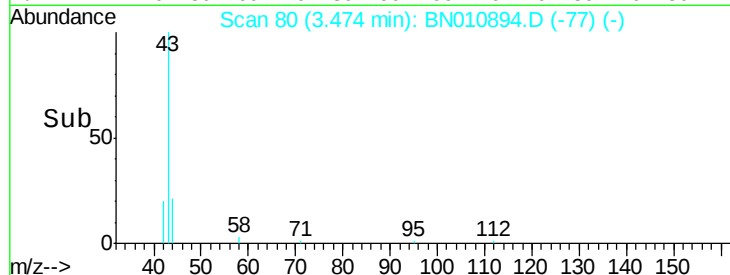
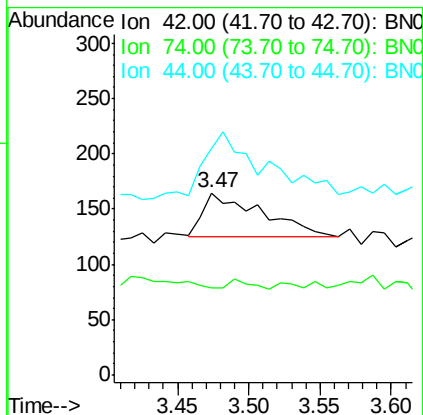
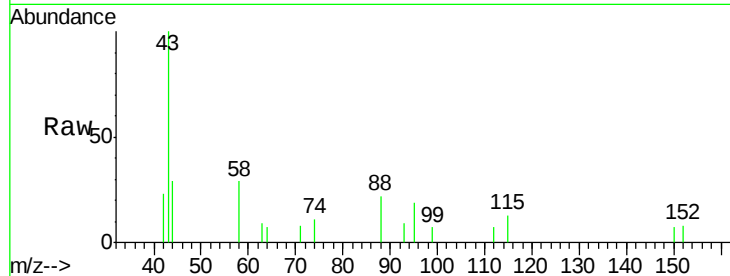


#3

n-Nitrosodimethylamine
 Concen: 0.080 ng
 RT: 3.47 min Scan# 80
 Delta R.T. -0.07 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Instrument :
 BNA_N
 ClientSampled :

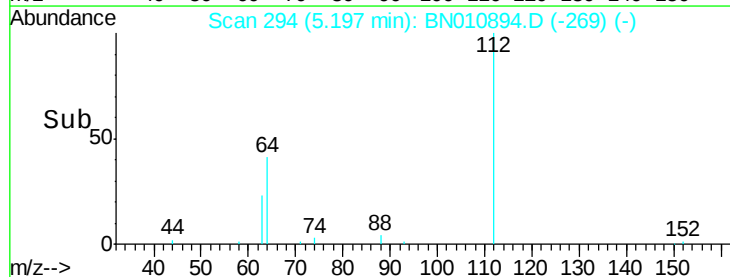
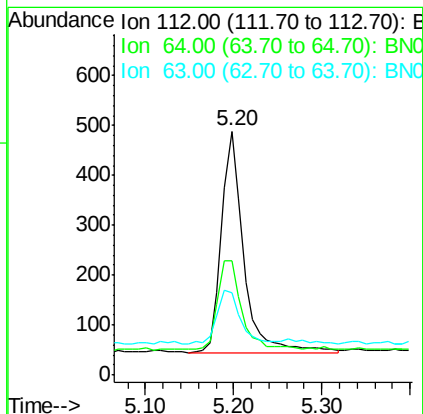
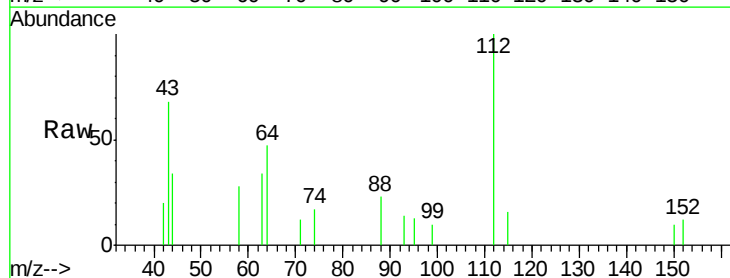
Tot Ion: 42 Resp: 113
 Ion Ratio Lower Upper
 42 100
 74 7.1 140.7 211.1#
 44 146.0 1.4 2.2#



#4

2-Fluorophenol
 Concen: 0.162 ng
 RT: 5.20 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Tgt Ion: 112 Resp: 775
 Ion Ratio Lower Upper
 112 100
 64 43.1 37.4 56.0
 63 26.6 22.2 33.4





#5

Phenol-d6

Concen: 0.094 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

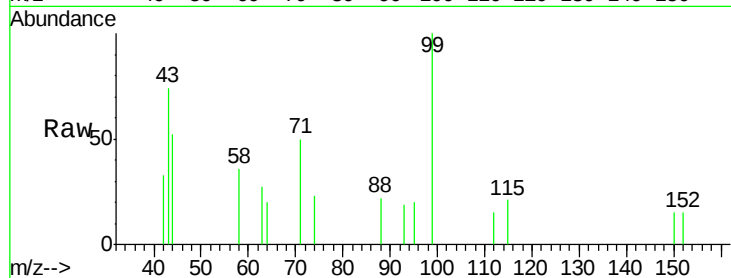
Tot Ion: 99 Resp: 530

Ion Ratio Lower Upper

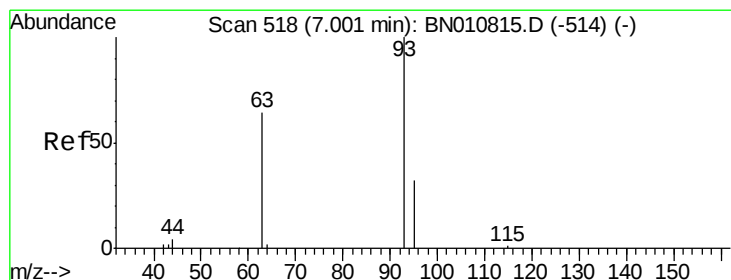
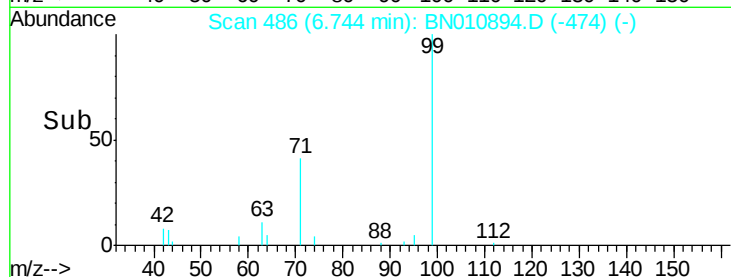
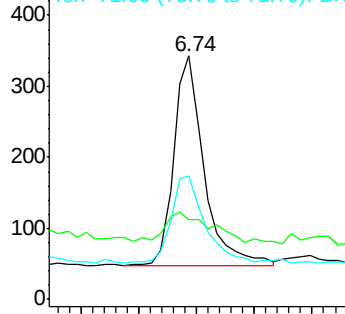
99 100

42 24.3 11.1 16.7#

71 45.8 31.4 47.2



Abundance Ion 99.00 (98.70 to 99.70): BN010894.D (-479) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.051 ng

RT: 6.99 min Scan# 517

Delta R.T. 0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

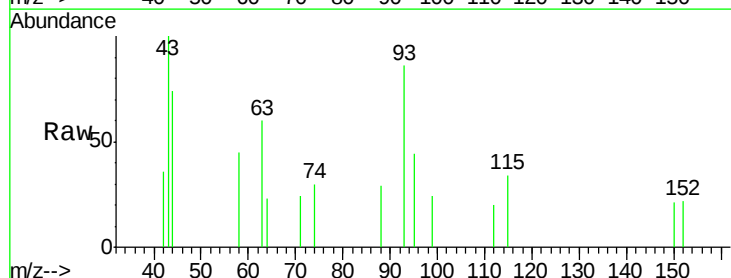
Tgt Ion: 93 Resp: 279

Ion Ratio Lower Upper

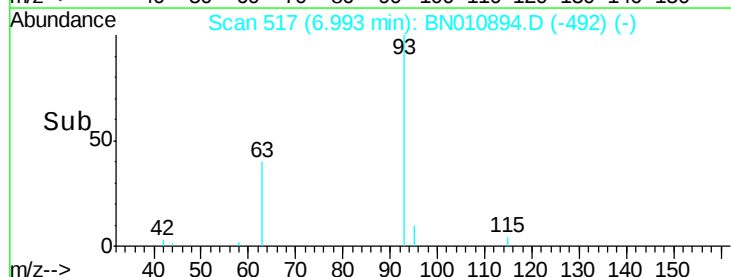
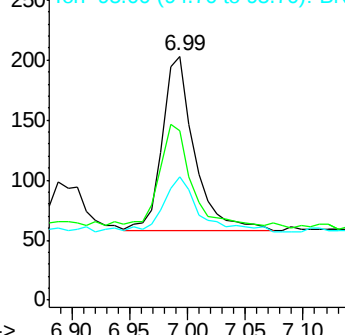
93 100

63 63.4 49.4 74.2

95 34.4 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN010894.D (-492) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 8714

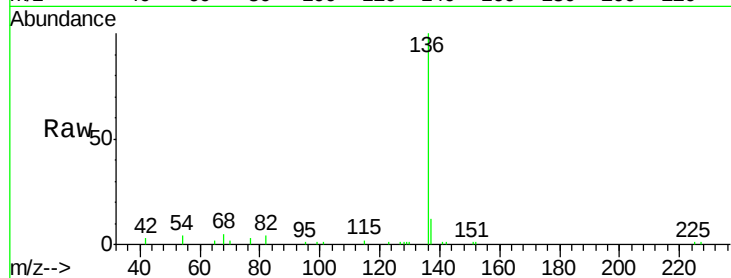
Ion Ratio Lower Upper

136 100

137 12.2 9.7 14.5

54 3.9 4.9 7.3#

68 4.6 4.7 7.1#

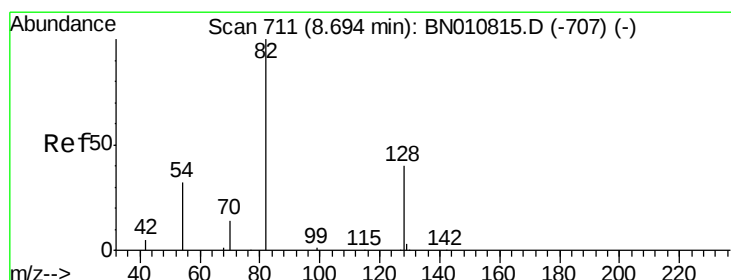
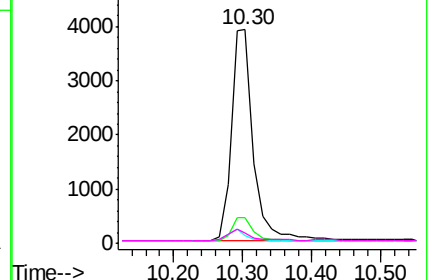
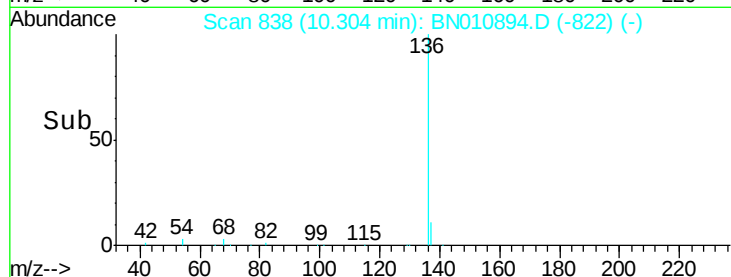


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.363 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

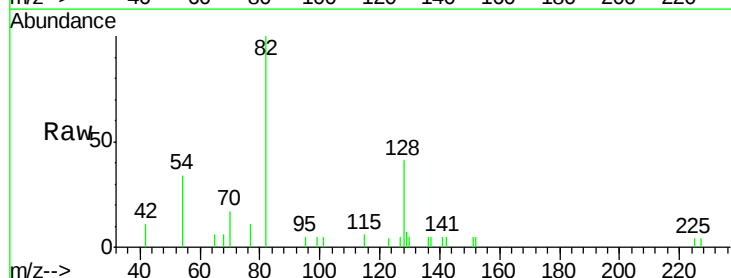
Tgt Ion: 82 Resp: 2343

Ion Ratio Lower Upper

82 100

128 41.5 35.4 53.0

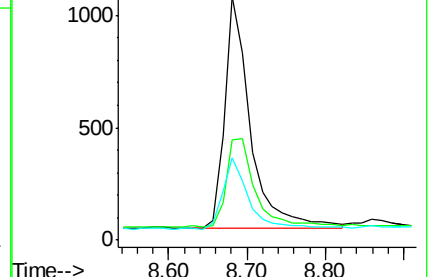
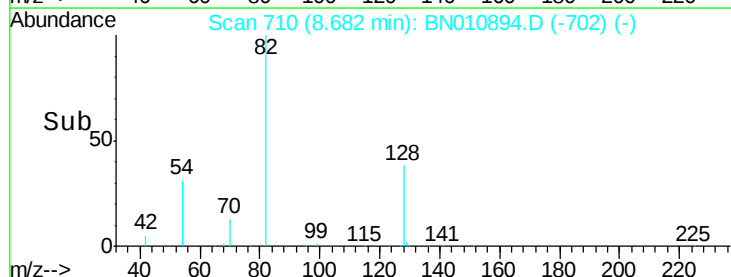
54 33.8 28.2 42.4

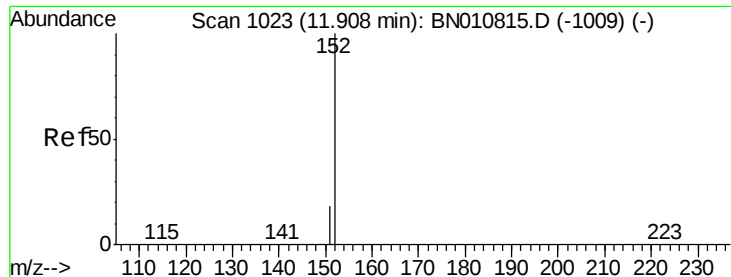


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

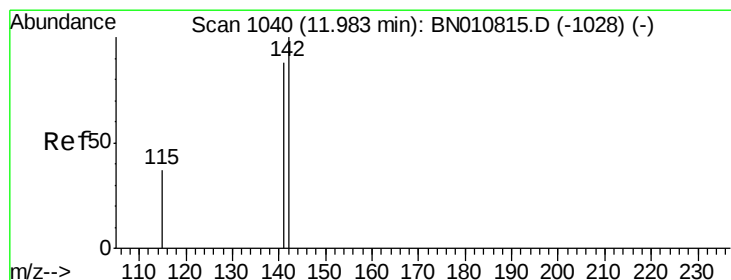
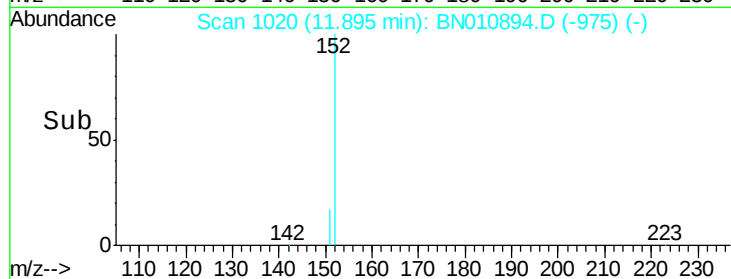
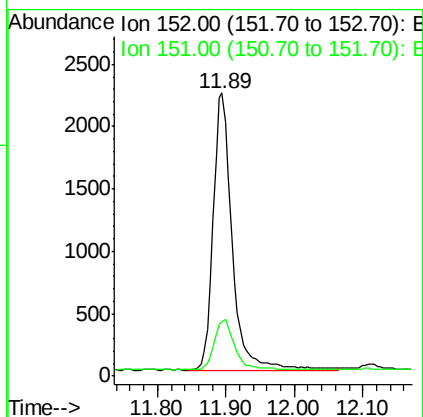
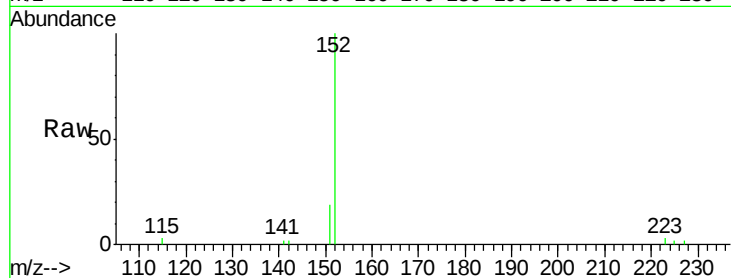




#11
 2-Methylnaphthalene-d10
 Concen: 0.317 ng
 RT: 11.89 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

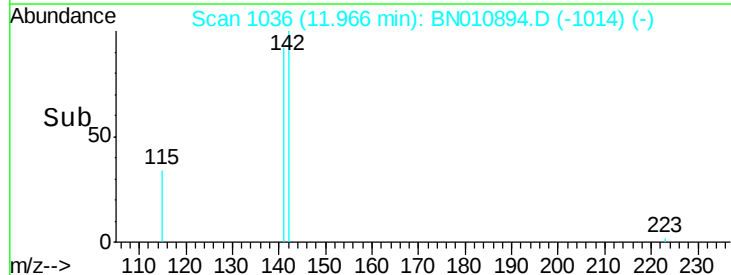
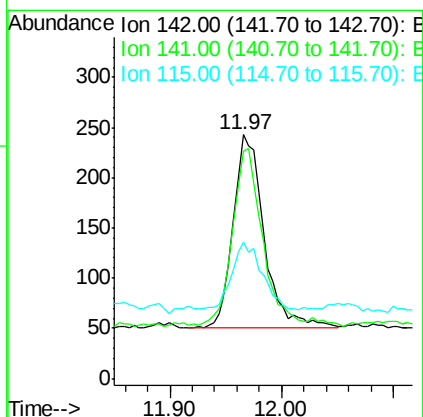
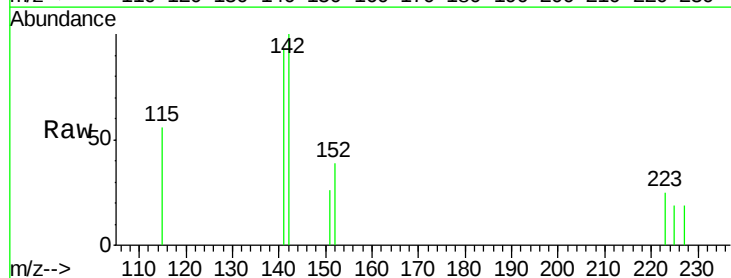
Instrument :
 BNA_N
 ClientSampleId :

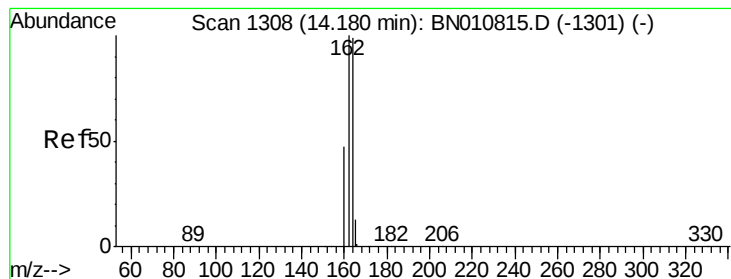
Tot Ion:152 Resp: 4287
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.025 ng
 RT: 11.97 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Tgt Ion:142 Resp: 370
 Ion Ratio Lower Upper
 142 100
 141 93.0 70.8 106.2
 115 56.0 31.5 47.3#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

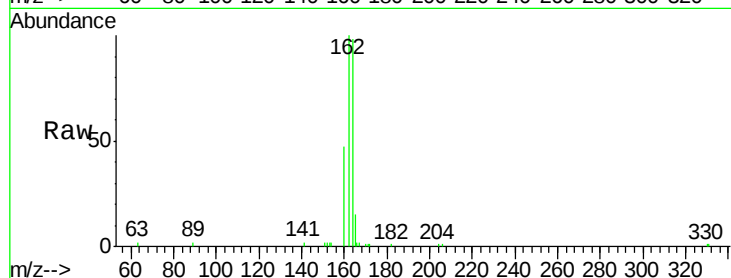
Tot Ion:164 Resp: 4898

Ion Ratio Lower Upper

164 100

162 102.0 81.0 121.6

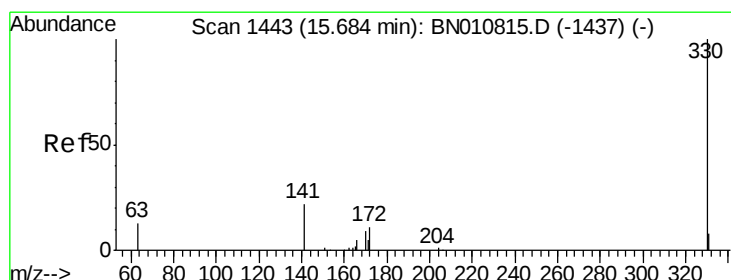
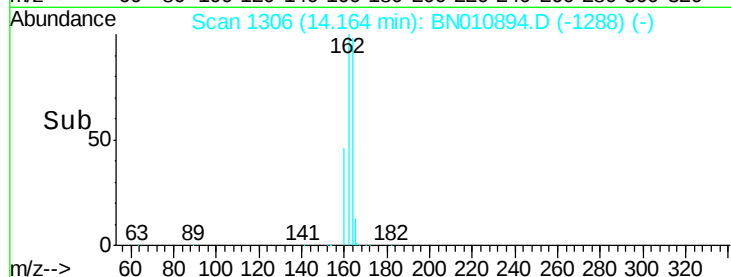
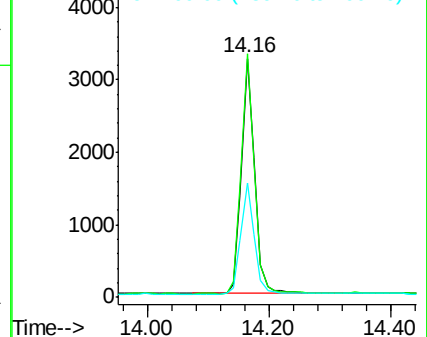
160 47.6 38.9 58.3



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: 0.320 ng

RT: 15.67 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

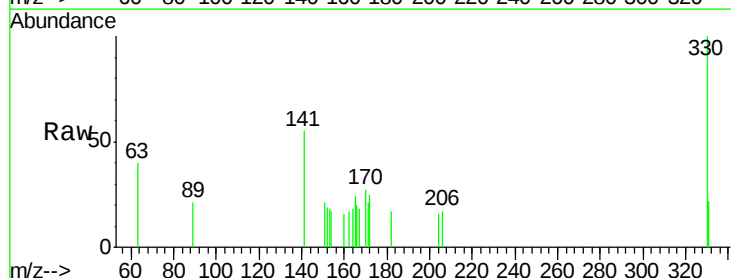
Tgt Ion:330 Resp: 561

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

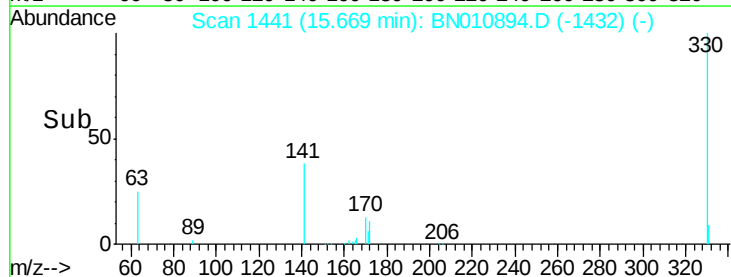
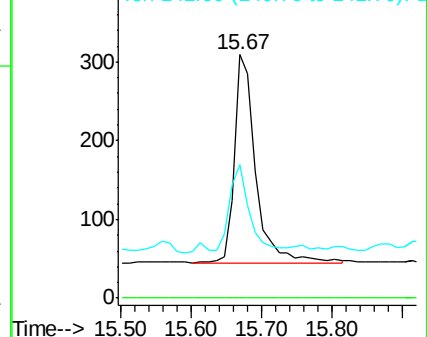
141 41.9 33.2 49.8

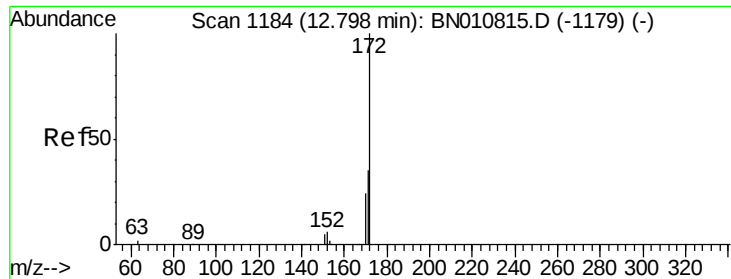


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

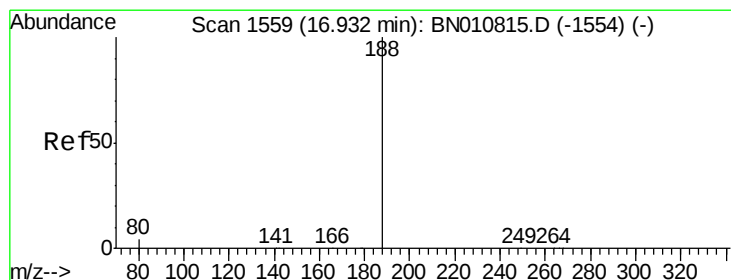
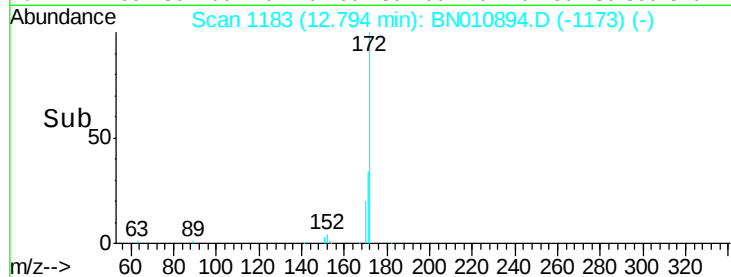
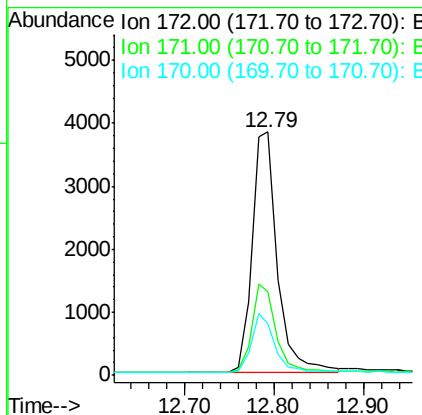
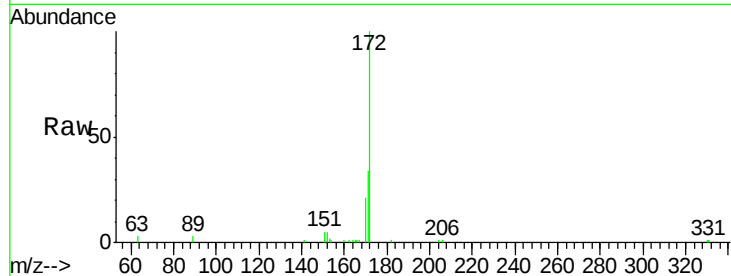




#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 12.79 min Scan# 1183
Delta R.T. 0.01 min
Lab File: BN010894.D
Acq: 16 Jun 2020 06:47

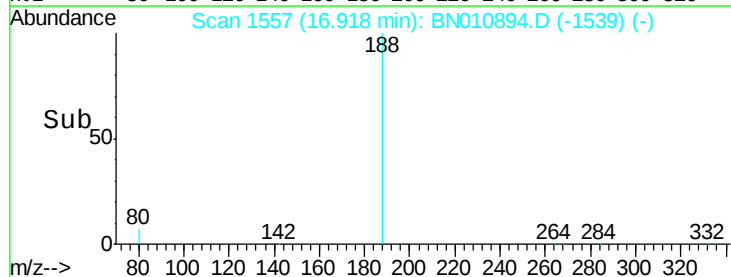
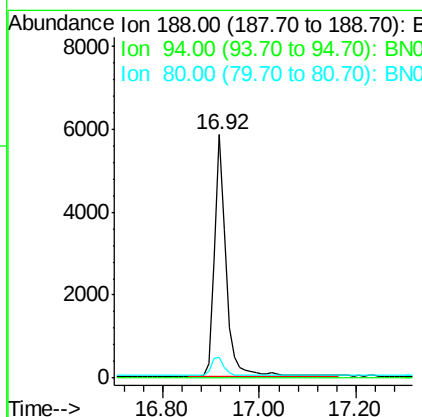
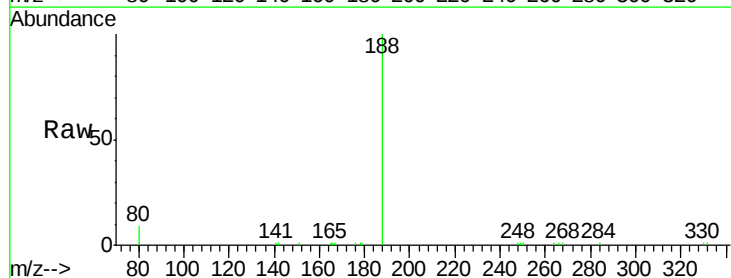
Instrument :
BNA_N
ClientSampleId :

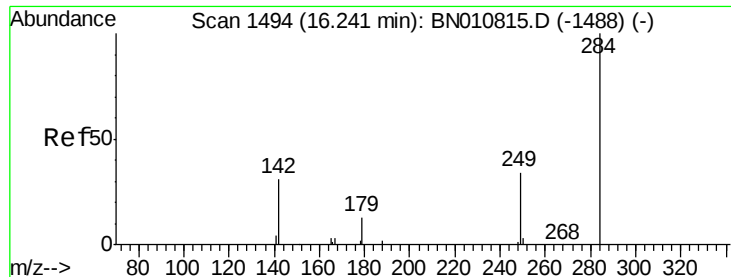
Tot Ion:172 Resp: 7571
Ion Ratio Lower Upper
172 100
171 34.3 28.5 42.7
170 21.3 19.7 29.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BN010894.D
Acq: 16 Jun 2020 06:47

Tgt Ion:188 Resp: 9691
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.5 4.5 6.7#





#21

Hexachlorobenzene

Concen: 0.024 ng

RT: 16.24 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

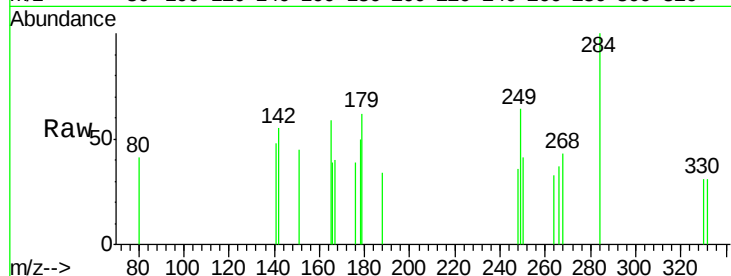
Tot Ion:284 Resp: 145

Ion Ratio Lower Upper

284 100

142 35.9 31.0 46.4

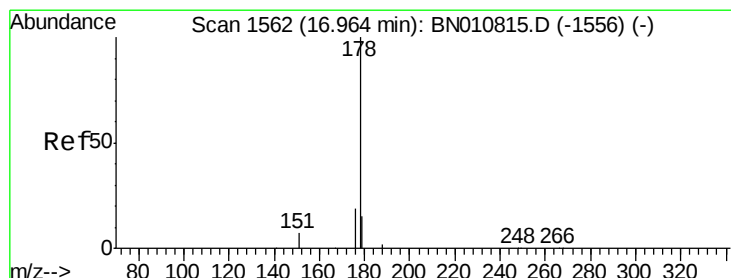
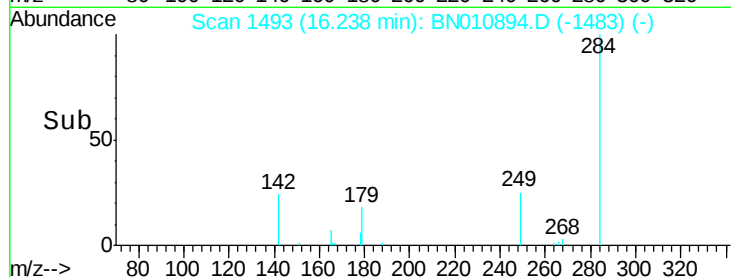
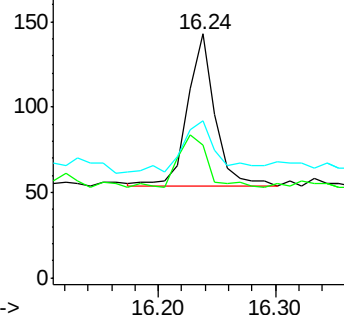
249 42.1 27.1 40.7#



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



#23

Phenanthrene

Concen: 0.027 ng

RT: 16.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

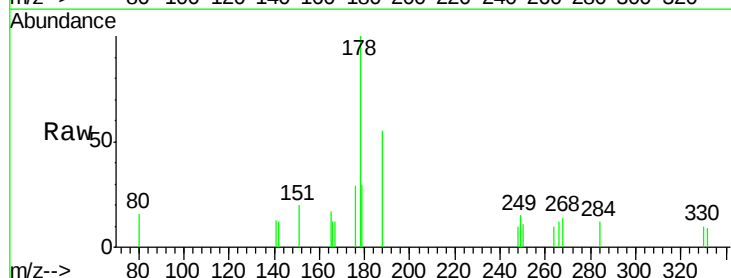
Tgt Ion:178 Resp: 702

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

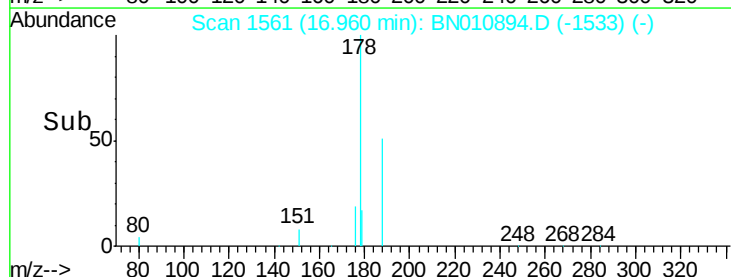
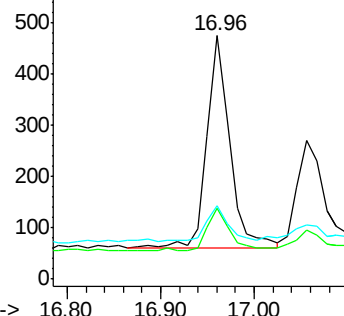
179 16.0 12.6 19.0

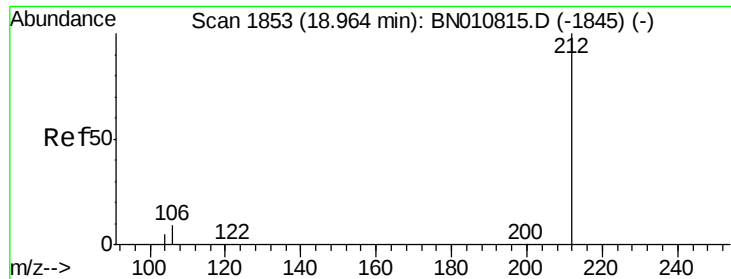


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.353 ng

RT: 18.96 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

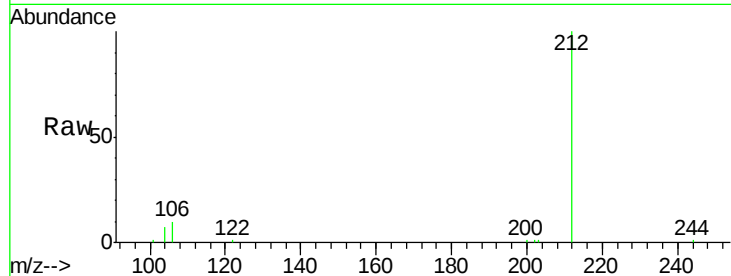
Tot Ion:212 Resp: 9441

Ion Ratio Lower Upper

212 100

106 9.5 6.6 10.0

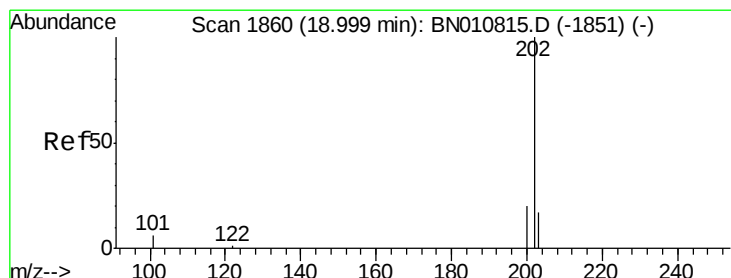
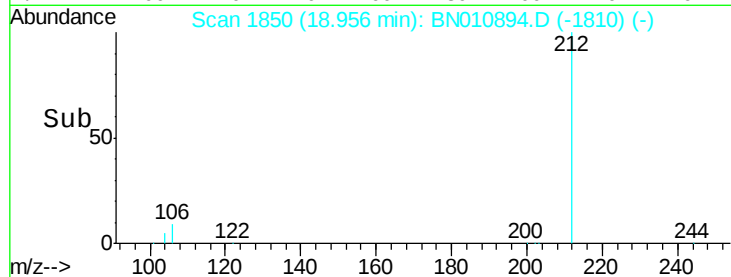
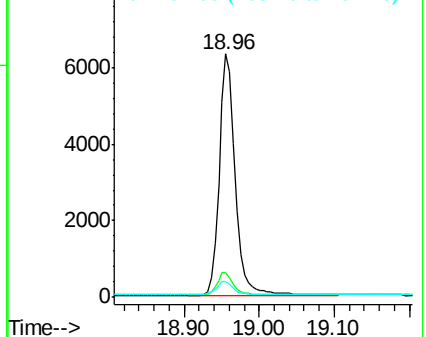
104 5.5 4.0 6.0



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



#26

Fluoranthene

Concen: 0.024 ng

RT: 18.99 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

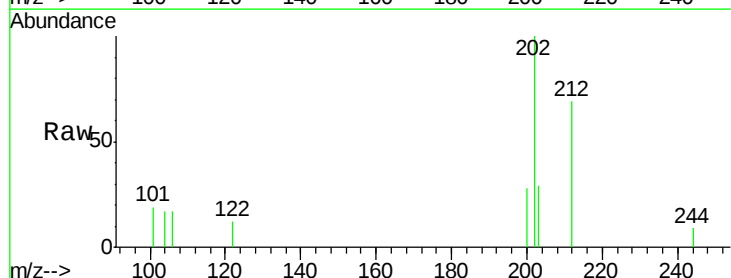
Tgt Ion:202 Resp: 727

Ion Ratio Lower Upper

202 100

101 9.1 5.8 8.6#

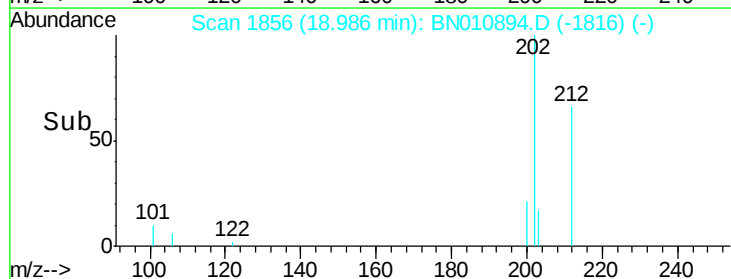
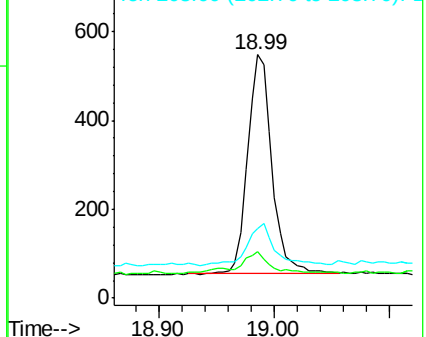
203 21.6 13.7 20.5#

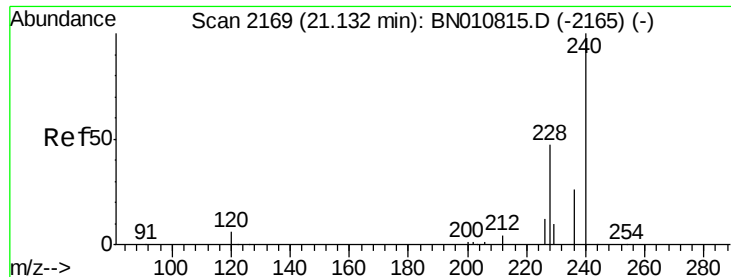


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

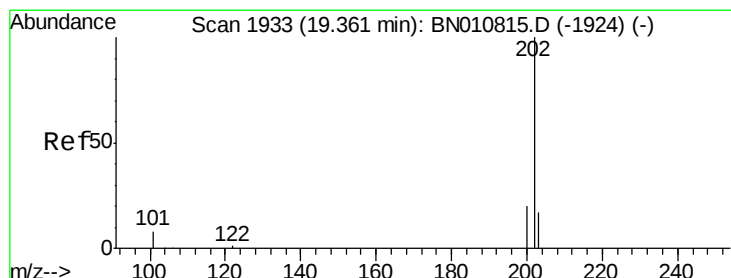
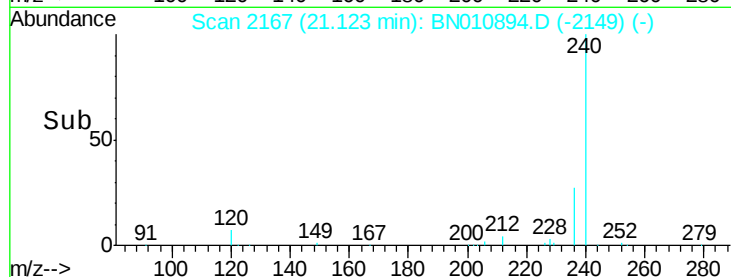
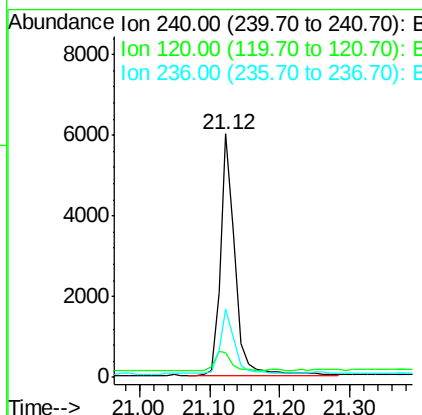
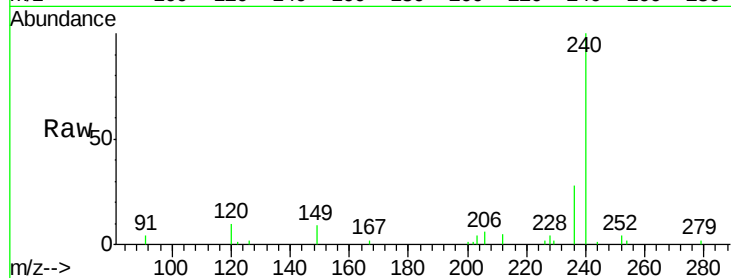




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.12 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

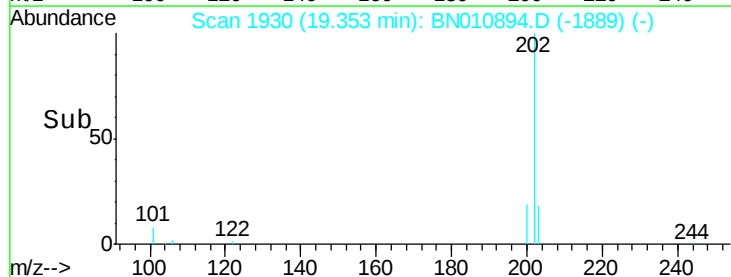
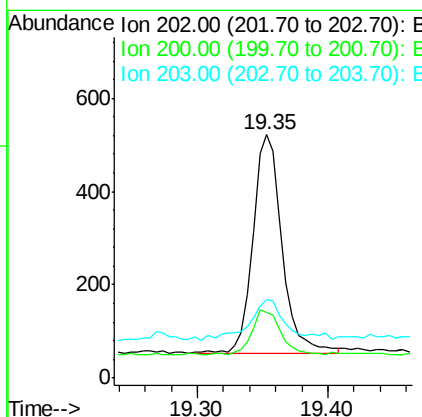
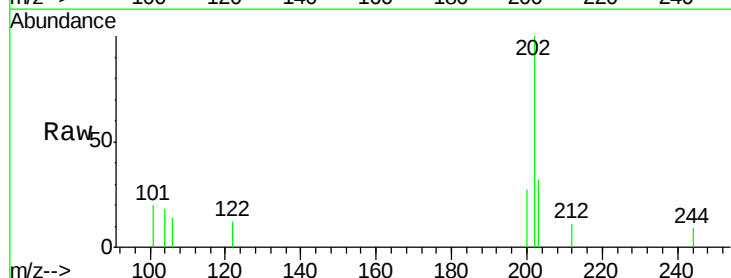
Instrument :
 BNA_N
 ClientSampleId :

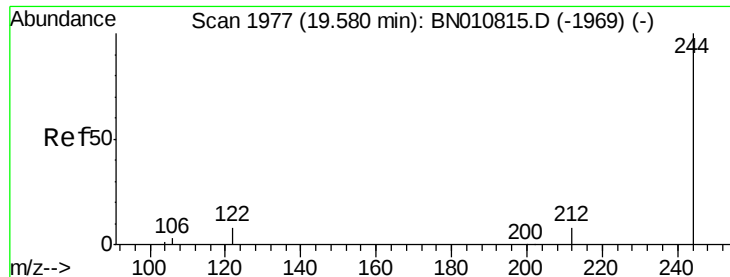
Tot Ion:240 Resp: 8610
 Ion Ratio Lower Upper
 240 100
 120 9.9 7.5 11.3
 236 27.9 22.3 33.5



#28
 Pyrene
 Concen: 0.025 ng
 RT: 19.35 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Tgt Ion:202 Resp: 723
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.4 24.6
 203 21.3 14.2 21.4





#29

Terphenyl-d14

Concen: 0.486 ng

RT: 19.57 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

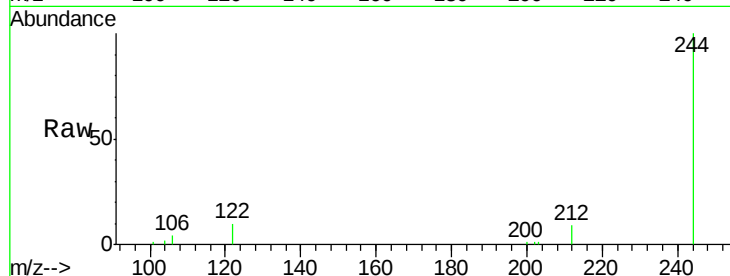
Tot Ion:244 Resp: 9801

Ion Ratio Lower Upper

244 100

212 8.9 7.4 11.2

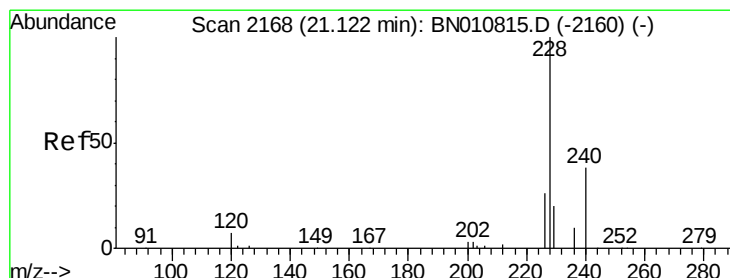
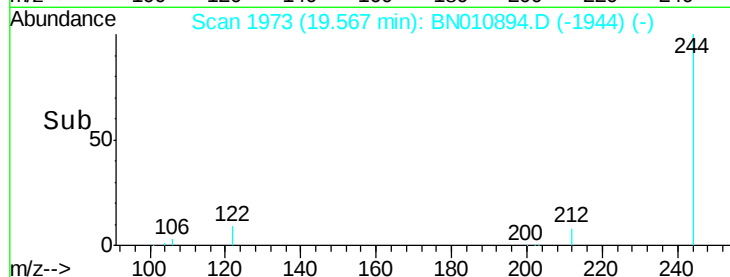
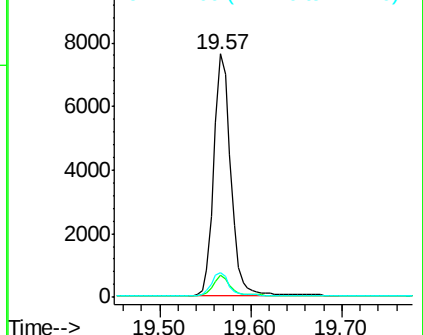
122 10.1 7.5 11.3



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: 0.025 ng

RT: 21.11 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

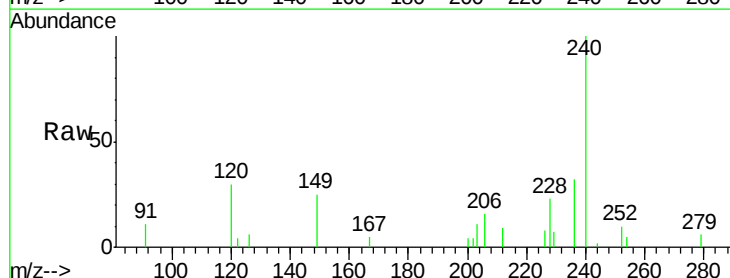
Tgt Ion:228 Resp: 643

Ion Ratio Lower Upper

228 100

226 34.6 21.3 31.9#

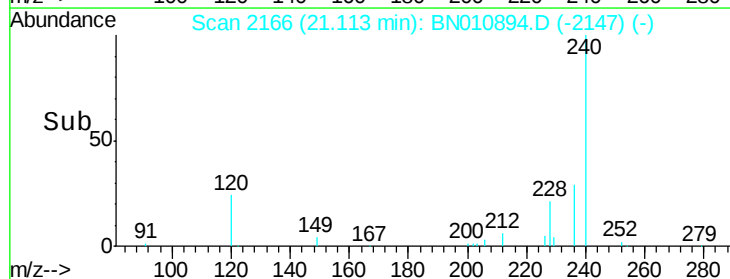
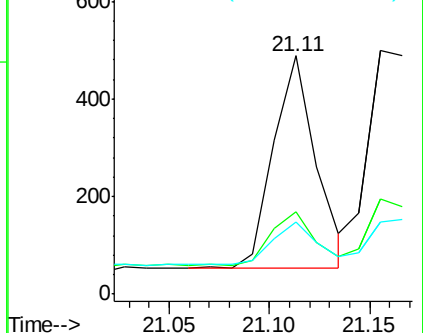
229 30.5 16.6 24.8#

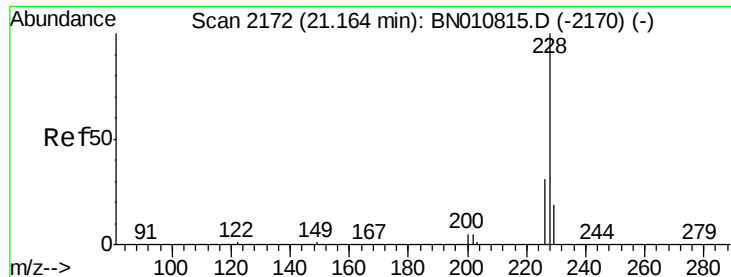


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.025 ng

RT: 21.16 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

Instrument :

BNA_N

ClientSampleId :

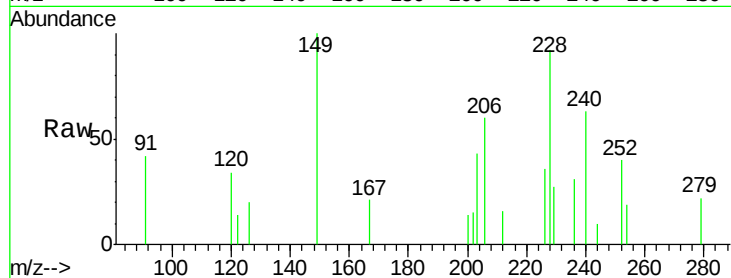
Tot Ion:228 Resp: 746

Ion Ratio Lower Upper

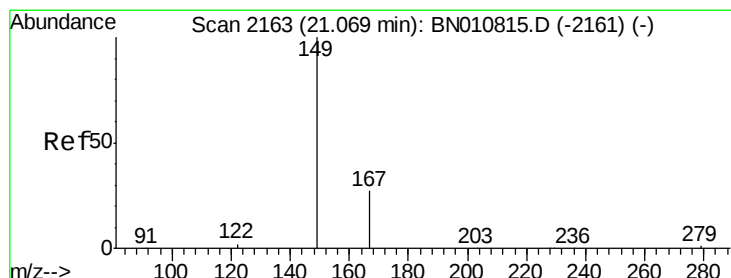
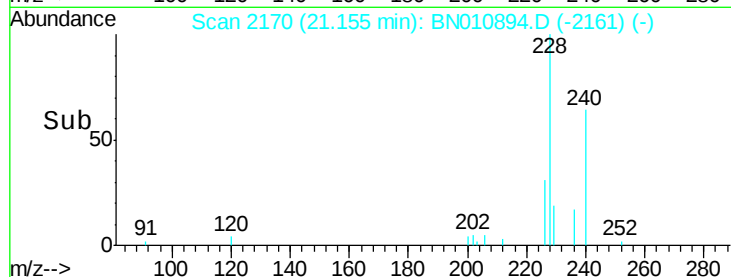
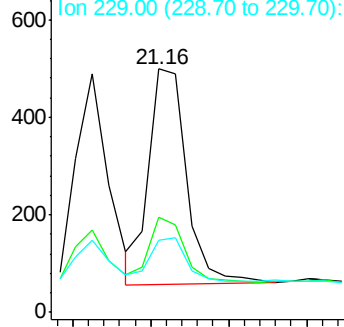
228 100

226 39.3 25.0 37.6#

229 29.5 16.1 24.1#



Abundance Ion 228.00 (227.70 to 228.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.115 ng

RT: 21.06 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN010894.D

Acq: 16 Jun 2020 06:47

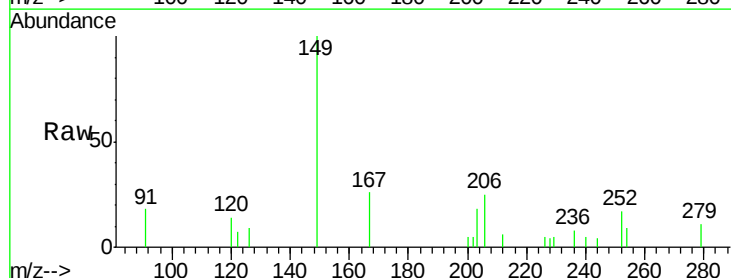
Tgt Ion:149 Resp: 970

Ion Ratio Lower Upper

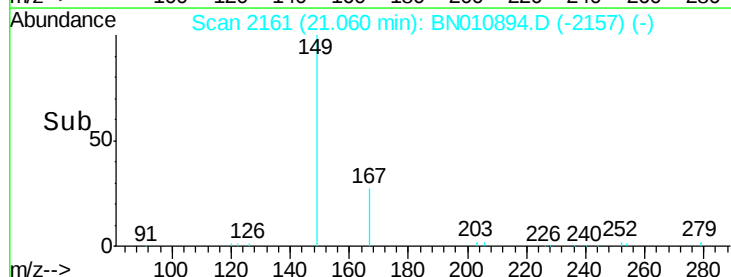
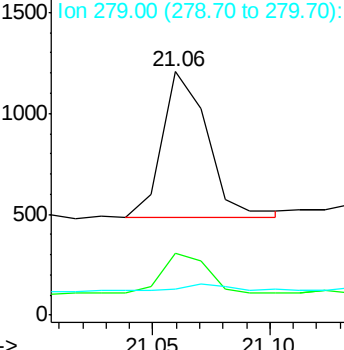
149 100

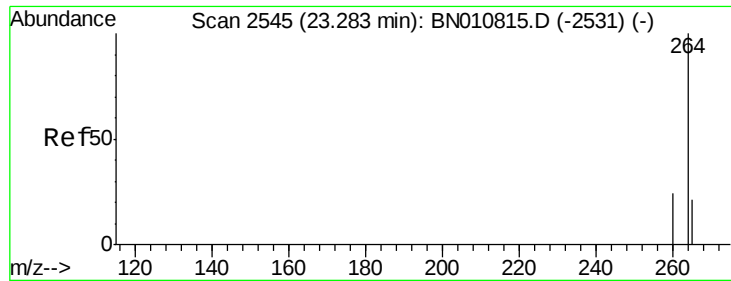
167 27.3 24.1 36.1

279 4.6 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

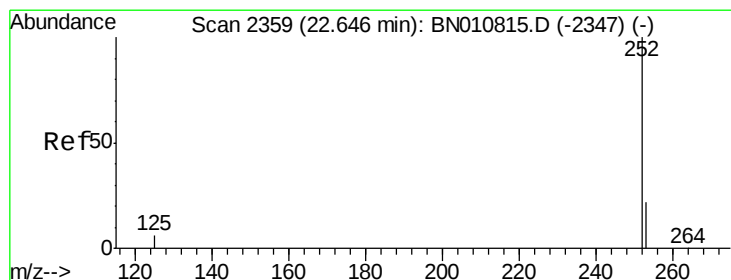
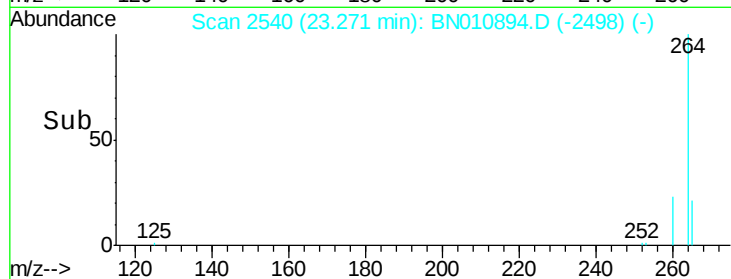
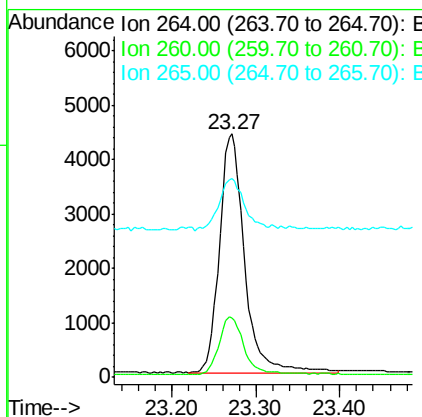
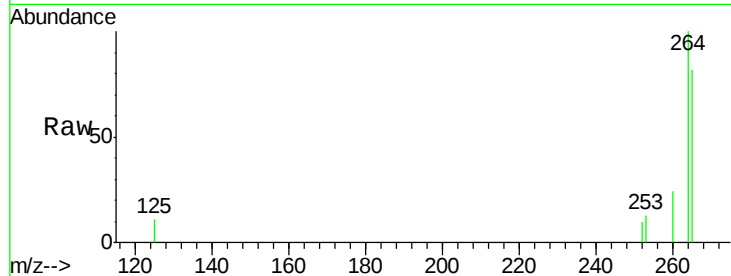




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.27 min Scan# 2540
 Delta R.T. -0.01 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

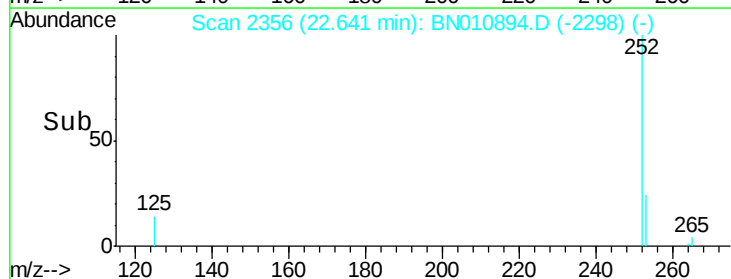
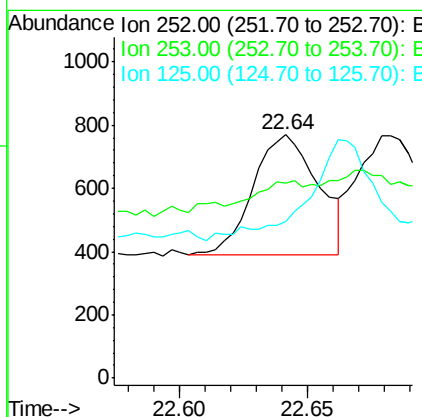
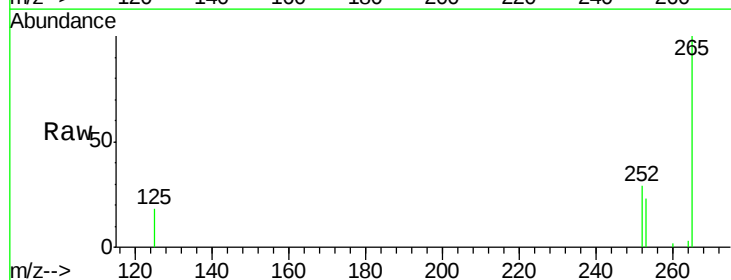
Instrument :
 BNA_N
 ClientSampleId :

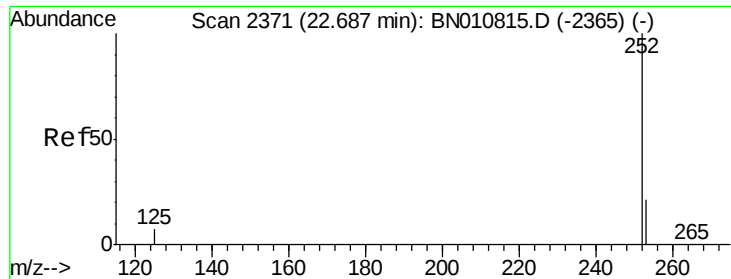
Tot Ion:264 Resp: 9077
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.4 30.6
 265 81.6 75.0 112.4



#35
 Benzo(b)fluoranthene
 Concen: 0.022 ng
 RT: 22.64 min Scan# 2356
 Delta R.T. -0.00 min
 Lab File: BN010894.D
 Acq: 16 Jun 2020 06:47

Tgt Ion:252 Resp: 665
 Ion Ratio Lower Upper
 252 100
 253 80.3 22.4 33.6#
 125 64.2 9.4 14.0#

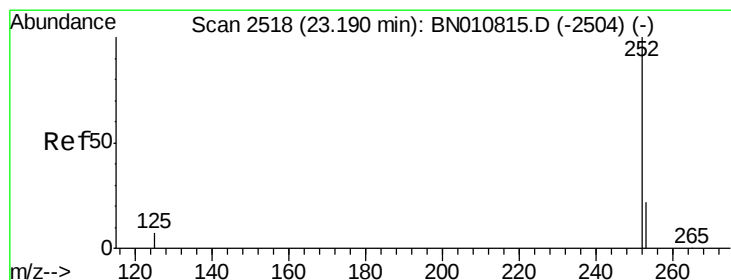
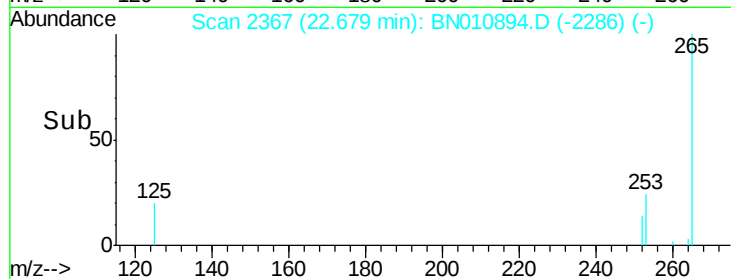
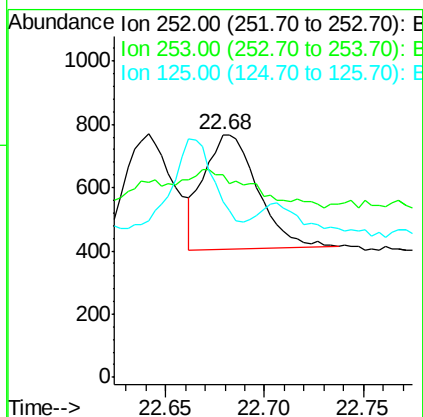
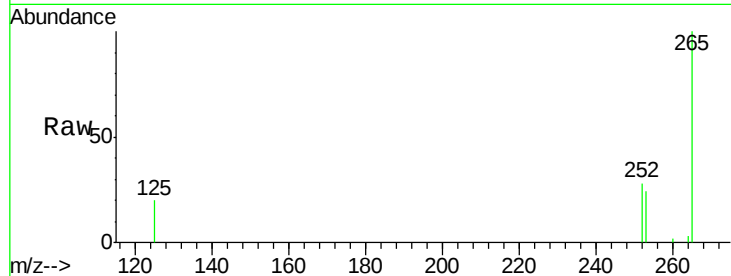




#36
Benzo(k)fluoranthene
Concen: 0.021 ng
RT: 22.68 min Scan# 2367
Delta R.T. -0.01 min
Lab File: BN010894.D
Acq: 16 Jun 2020 06:47

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 686
Ion Ratio Lower Upper
252 100
253 83.5 22.2 33.4#
125 72.3 9.8 14.8#



#37
Benzo(a)pyrene
Concen: 0.023 ng
RT: 23.18 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BN010894.D
Acq: 16 Jun 2020 06:47

Tgt Ion:252 Resp: 615
Ion Ratio Lower Upper
252 100
253 93.1 25.8 38.8#
125 84.9 12.4 18.6#

