

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042820\
 Data File : BN010638.D
 Acq On : 29 Apr 2020 00:16
 Operator : CG/JU
 Sample : L2423-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 29 02:04:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 11:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3649	0.40	ng	0.00
7) Naphthalene-d8	10.34	136	15471	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	10184	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	22282	0.40	ng	0.00
27) Chrysene-d12	21.16	240	18855	0.40	ng	0.00
34) Perylene-d12	23.32	264	17133	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	1168	0.15	ng	0.00
5) Phenol-d6	6.78	99	904	0.09	ng	0.00
8) Nitrobenzene-d5	8.72	82	4126	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	8479	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	1561	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	13314	0.36	ng	0.00
25) Fluoranthene-d10	18.99	212	23567	0.35	ng	0.00
29) Terphenyl-d14	19.60	244	19830	0.46	ng	0.00

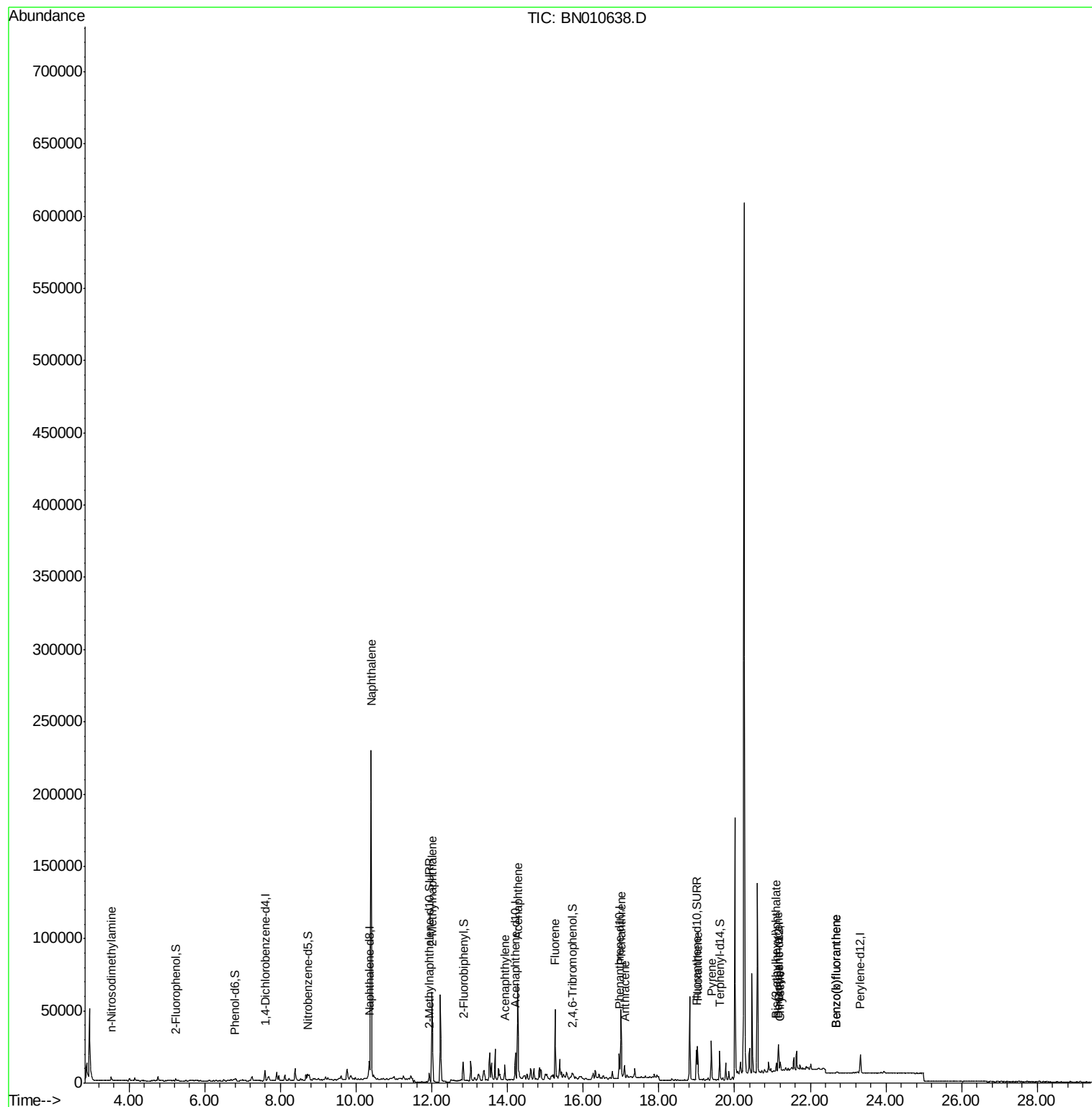
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.52	42	280	0.161	ng	# 1
9) Naphthalene	10.39	128	309355	8.051	ng	99
12) 2-Methylnaphthalene	12.01	142	45235	1.639	ng	99
16) Acenaphthylene	13.92	152	6367	0.145	ng	# 80
17) Acenaphthene	14.27	154	33333	1.179	ng	98
18) Fluorene	15.26	166	30081	0.812	ng	97
23) Phenanthrene	17.00	178	46866	0.779	ng	100
24) Anthracene	17.09	178	10028	0.182	ng	# 83
26) Fluoranthene	19.02	202	21877	0.292	ng	100
28) Pylene	19.39	202	24176	0.381	ng	# 95
30) Benzo(a)anthracene	21.14	228	2395	0.039	ng	# 71
31) Chrysene	21.20	228	2772	0.045	ng	# 73
32) Bis(2-ethylhexyl)phthalate	21.10	149	4384	0.139	ng	98
35) Benzo(b)fluoranthene	22.68	252	1310	0.023	ng	# 1
36) Benzo(k)fluoranthene	22.68	252	1310	0.023	ng	# 1

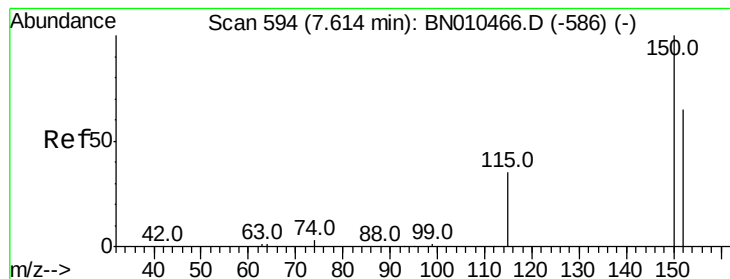
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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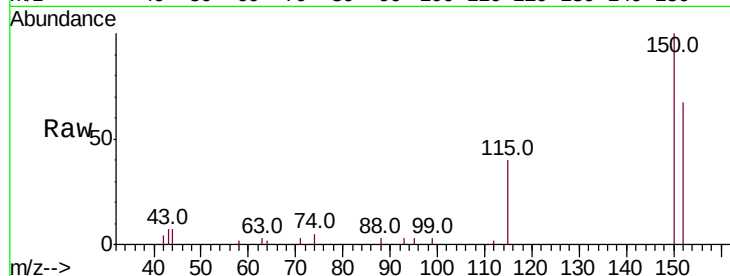


#1

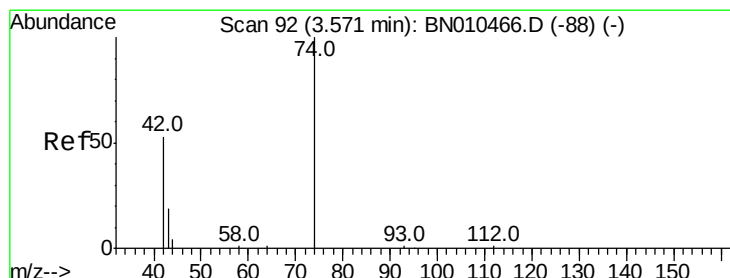
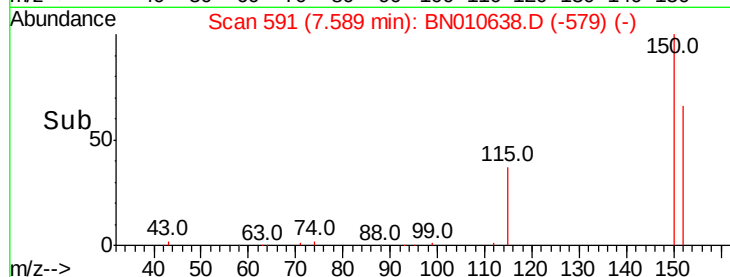
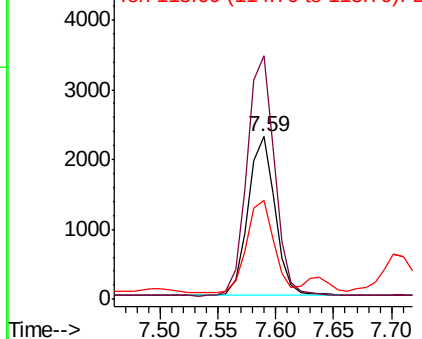
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.59 min Scan# 591
Delta R.T. -0.00 min
Lab File: BN010638.D
Acq: 29 Apr 2020 00:16

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 3649
Ion Ratio Lower Upper
152 100
150 149.4 121.8 182.6
115 60.5 45.5 68.3



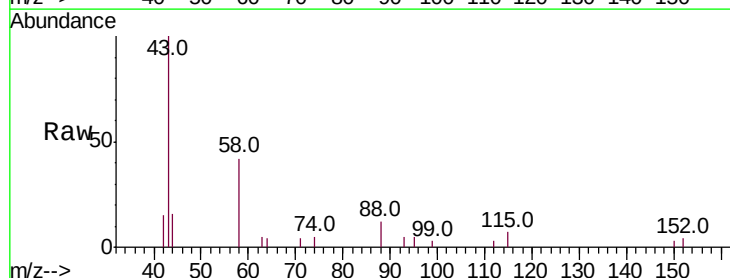
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



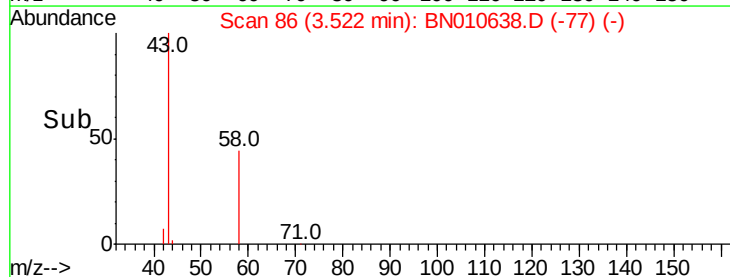
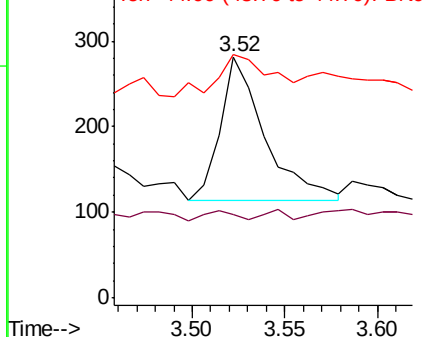
#3

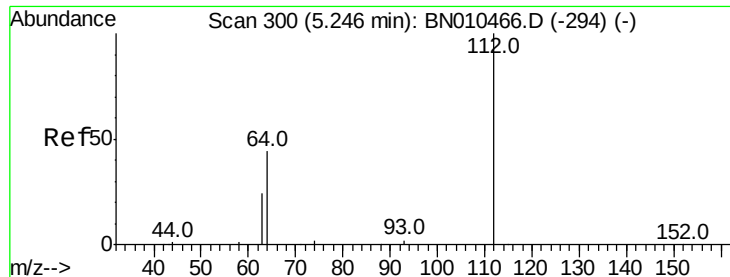
n-Nitrosodimethylamine
Concen: 0.161 ng
RT: 3.52 min Scan# 86
Delta R.T. -0.02 min
Lab File: BN010638.D
Acq: 29 Apr 2020 00:16

Tgt Ion: 42 Resp: 280
Ion Ratio Lower Upper
42 100
74 5.0 162.2 243.4#
44 36.1 2.4 3.6#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.146 ng

RT: 5.23 min Scan# 298

Delta R.T. -0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

Instrument :

BNA_N

ClientSampleId :

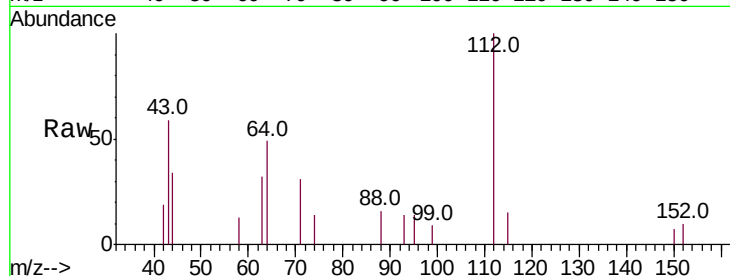
Tot Ion:112 Resp: 1168

Ion Ratio Lower Upper

112 100

64 42.8 35.8 53.8

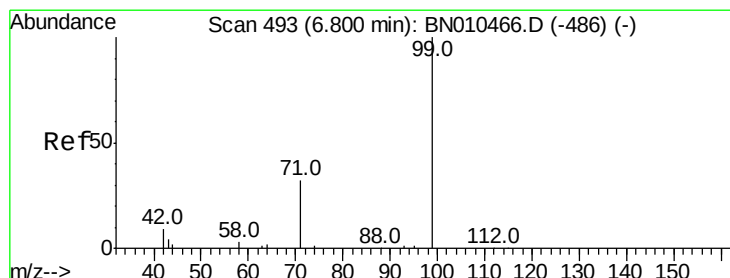
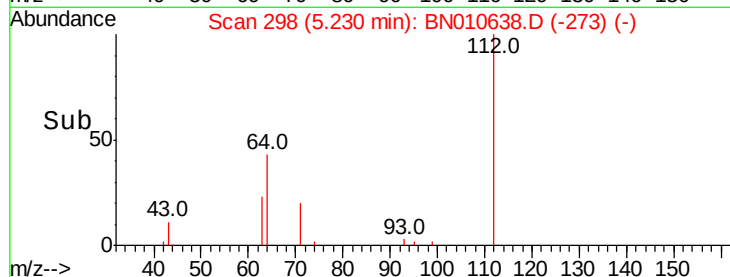
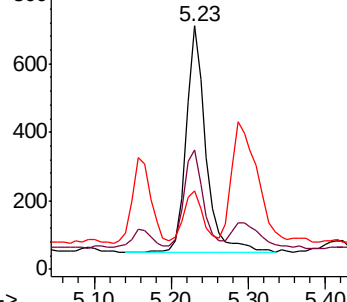
63 22.2 19.9 29.9



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: 0.087 ng

RT: 6.78 min Scan# 491

Delta R.T. -0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

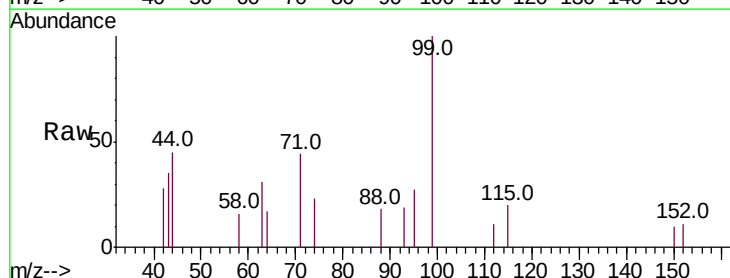
Tgt Ion: 99 Resp: 904

Ion Ratio Lower Upper

99 100

42 27.9 9.8 14.6#

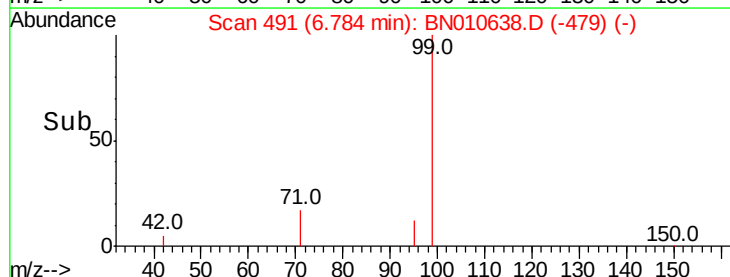
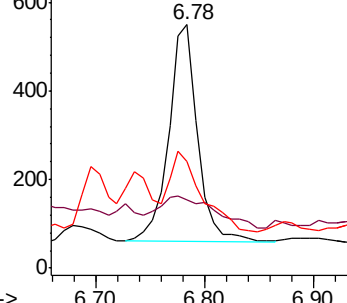
71 41.6 27.8 41.8

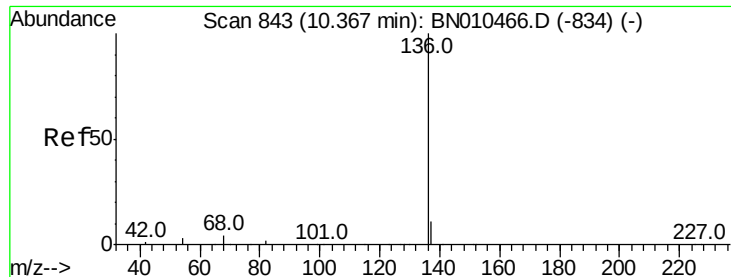


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

Instrument :

BNA_N

ClientSampled :

Tot Ion:136 Resp: 15471

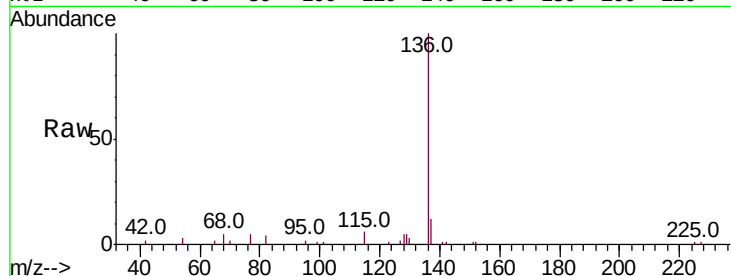
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 3.5 2.6 4.0

68 4.6 3.4 5.2

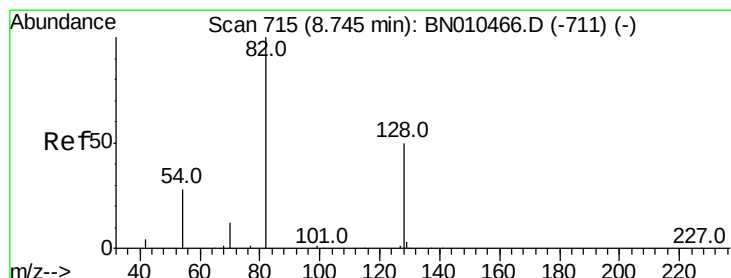
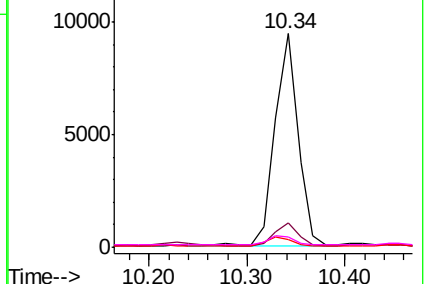
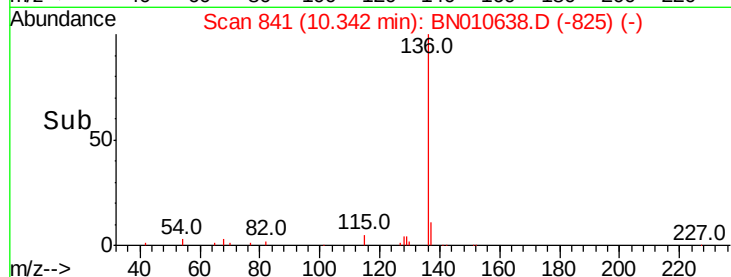


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.381 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

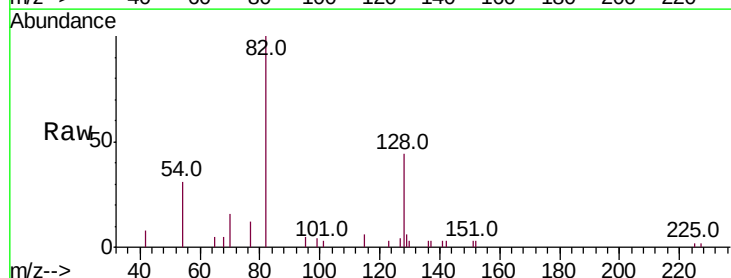
Tgt Ion: 82 Resp: 4126

Ion Ratio Lower Upper

82 100

128 44.1 41.3 61.9

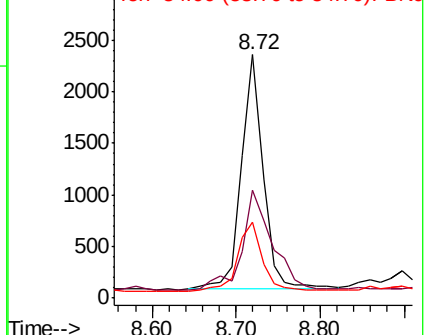
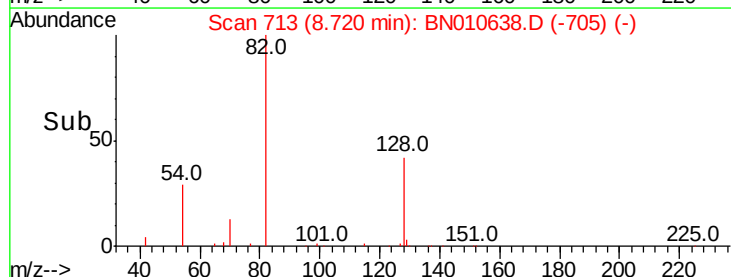
54 30.9 23.4 35.0

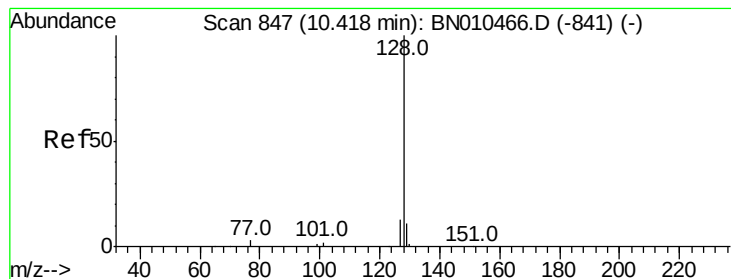


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 8.051 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

Instrument :

BNA_N

ClientSampleId :

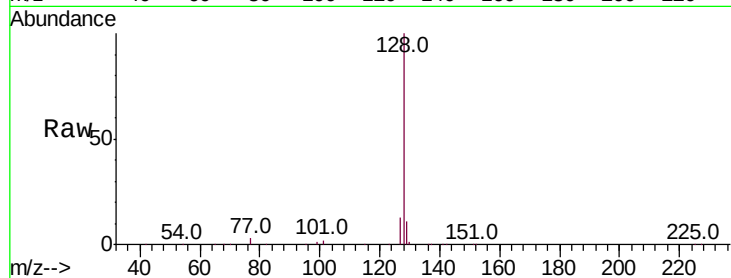
Tot Ion:128 Resp: 309355

Ion Ratio Lower Upper

128 100

129 11.1 9.3 13.9

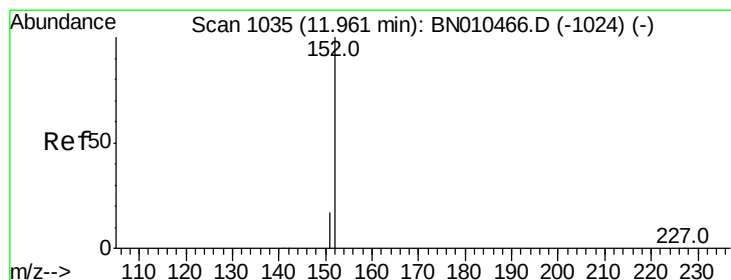
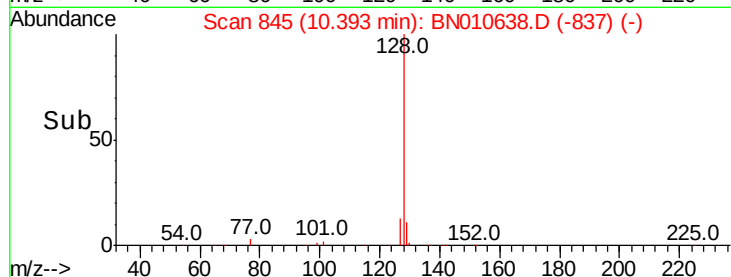
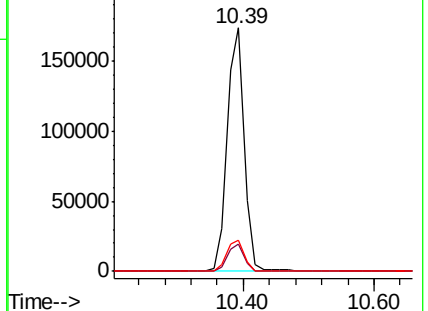
127 13.0 10.5 15.7



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



#11

2-Methylnaphthalene-d10

Concen: 0.333 ng

RT: 11.93 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BN010638.D

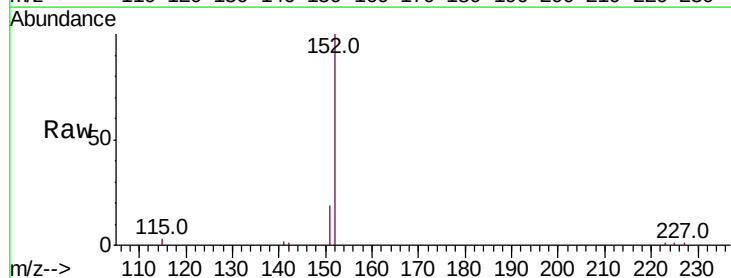
Acq: 29 Apr 2020 00:16

Tgt Ion:152 Resp: 8479

Ion Ratio Lower Upper

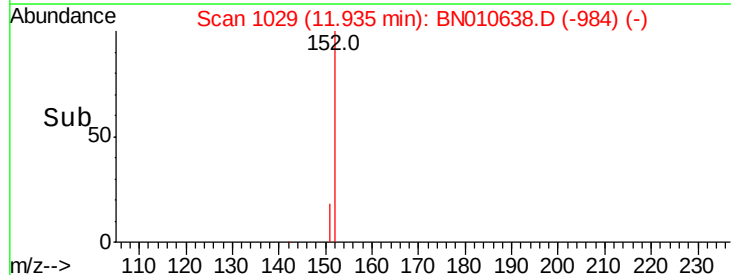
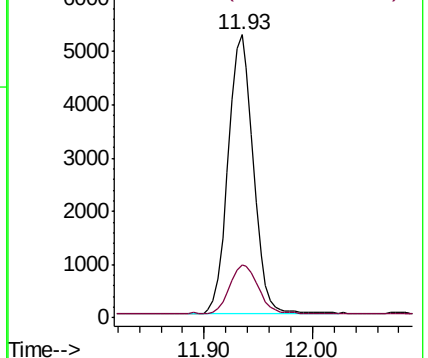
152 100

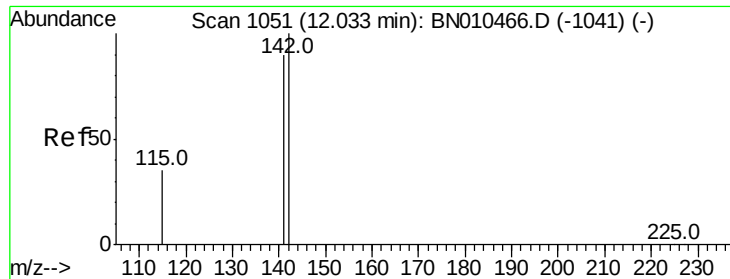
151 20.2 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

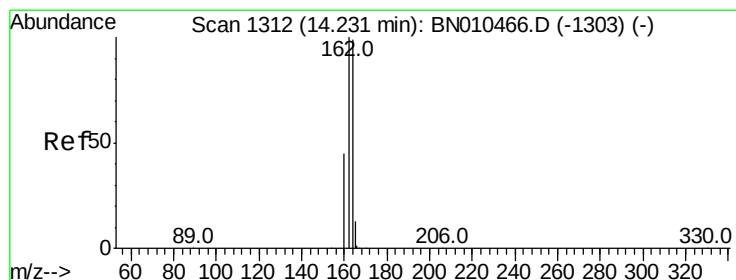
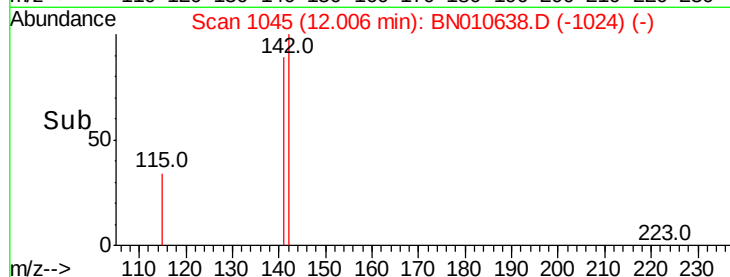
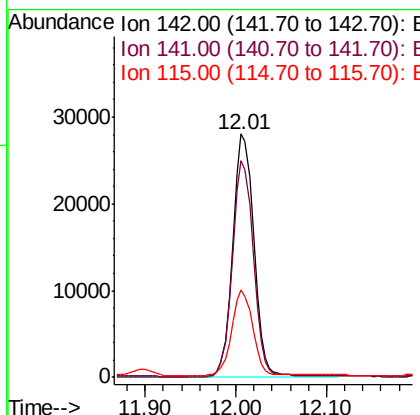
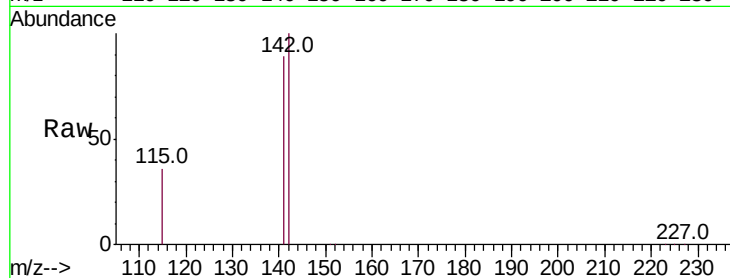




#12
2-Methylnaphthalene
Concen: 1.639 ng
RT: 12.01 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BN010638.D
Acq: 29 Apr 2020 00:16

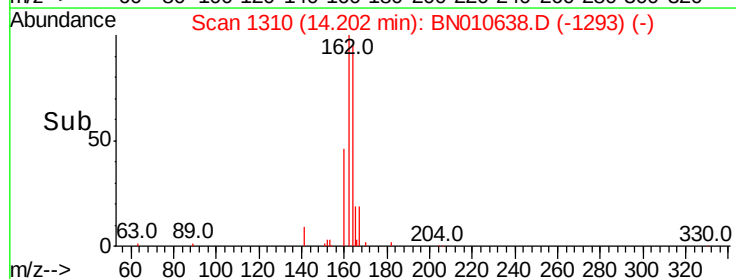
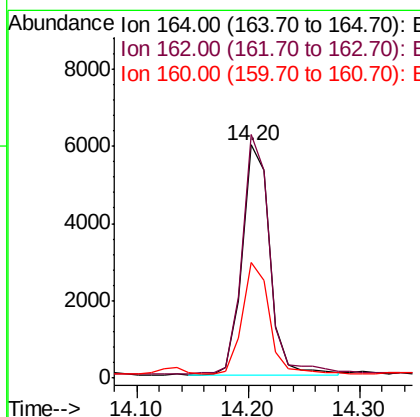
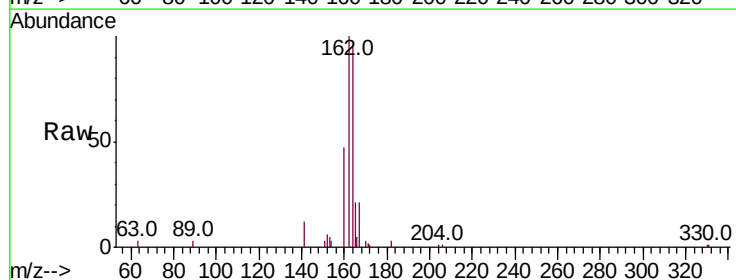
Instrument :
BNA_N
ClientSampleId :

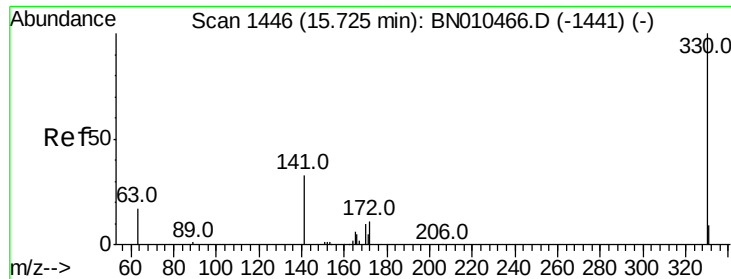
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.9	107.9
115	35.9	28.8	43.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.20 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BN010638.D
Acq: 29 Apr 2020 00:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.6	121.0
160	49.5	36.5	54.7

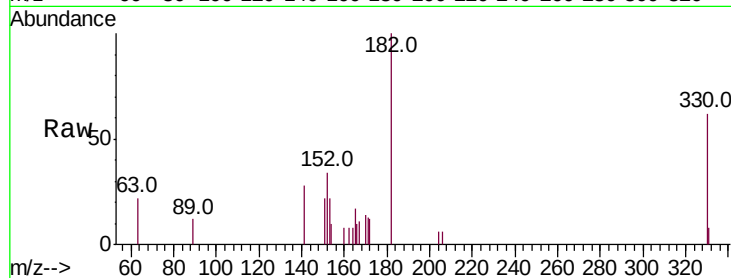




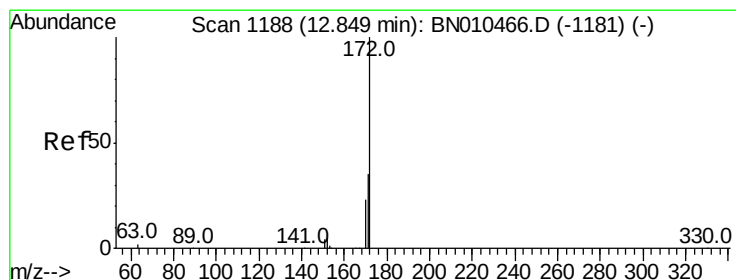
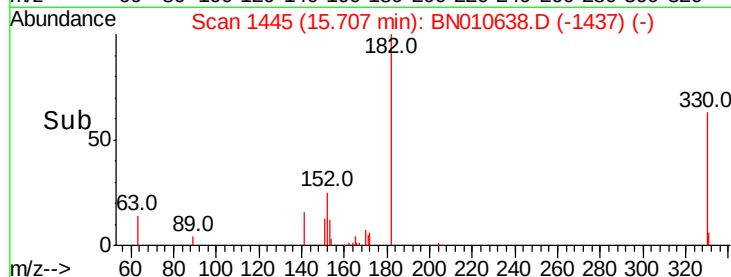
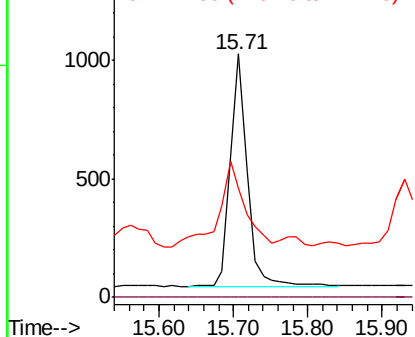
#14
 2,4,6-Tribromophenol
 Concen: 0.325 ng
 RT: 15.71 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BN010638.D
 Acq: 29 Apr 2020 00:16

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 1561
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 47.5 28.1 42.1#

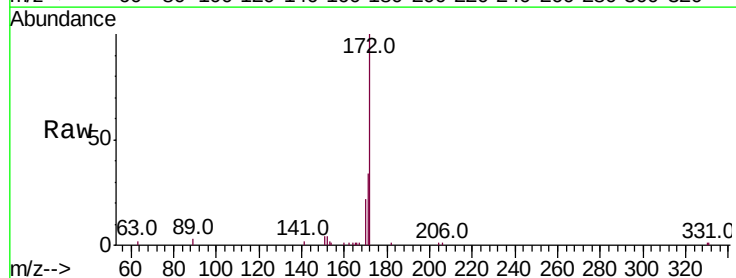


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

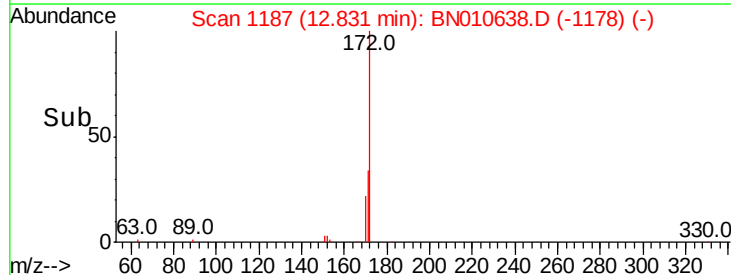
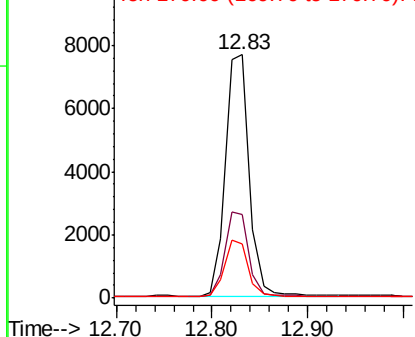


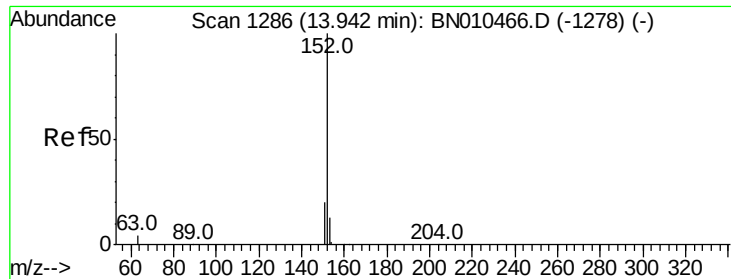
#15
 2-Fluorobiphenyl
 Concen: 0.359 ng
 RT: 12.83 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BN010638.D
 Acq: 29 Apr 2020 00:16

Tgt Ion:172 Resp: 13314
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.2 42.2
 170 22.0 18.4 27.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.145 ng

RT: 13.92 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

Instrument :

BNA_N

ClientSampled :

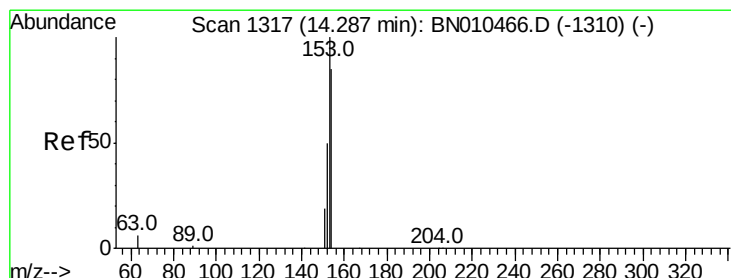
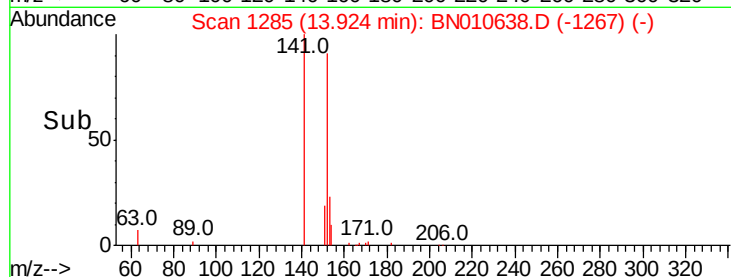
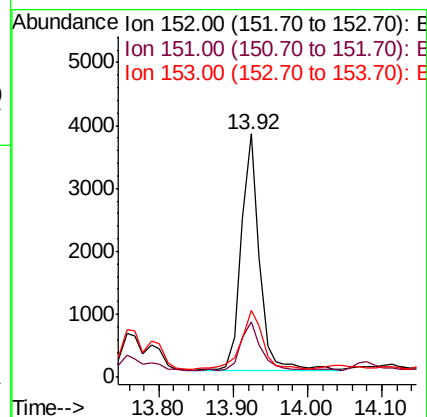
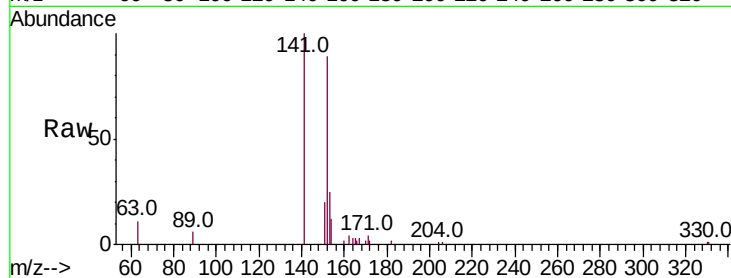
Tot Ion:152 Resp: 6367

Ion Ratio Lower Upper

152 100

151 22.2 15.7 23.5

153 30.1 10.6 15.8#



#17

Acenaphthene

Concen: 1.179 ng

RT: 14.27 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

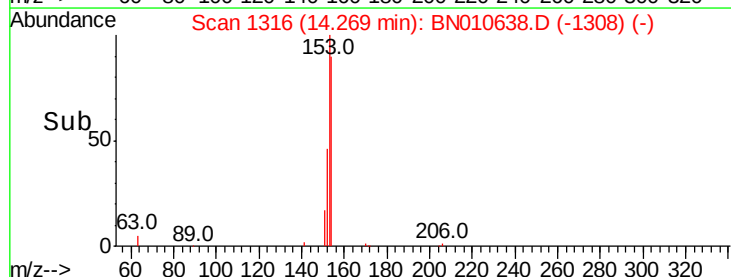
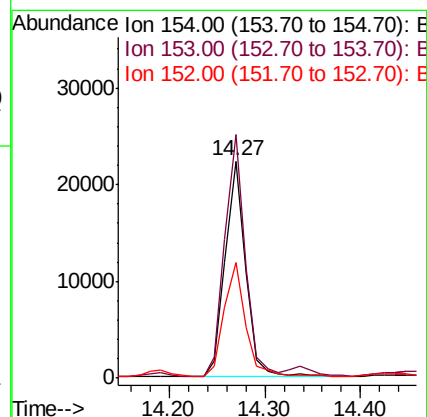
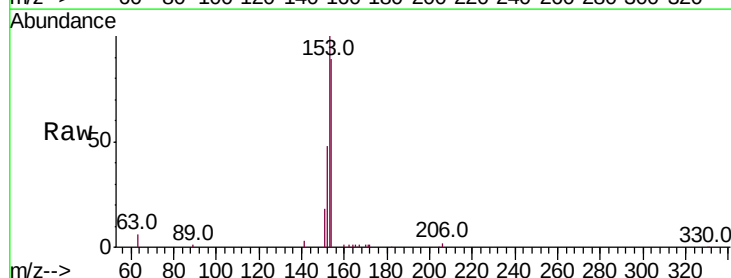
Tgt Ion:154 Resp: 33333

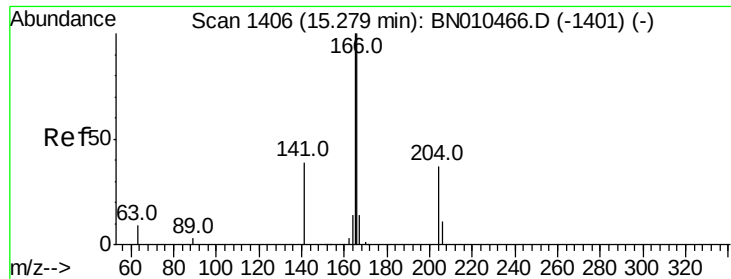
Ion Ratio Lower Upper

154 100

153 111.5 91.0 136.4

152 55.2 44.6 67.0

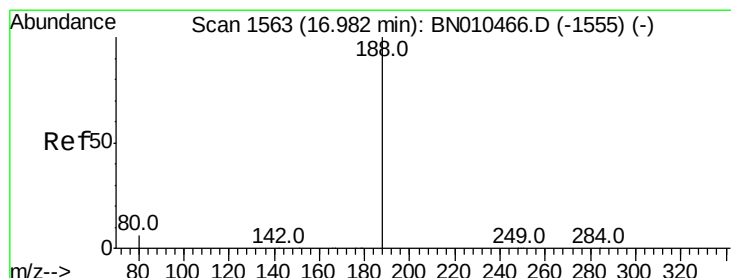
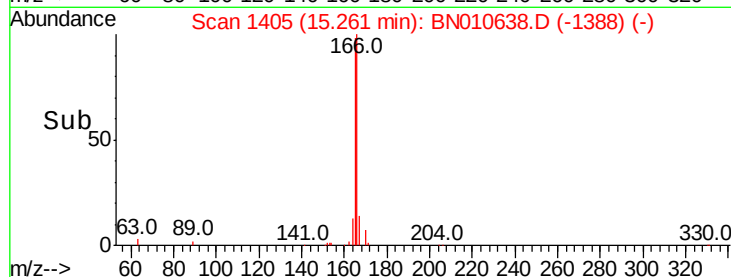
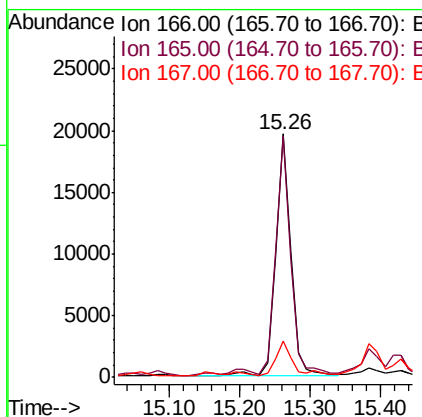
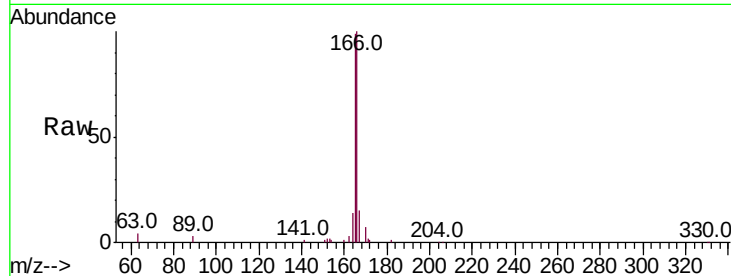




#18
 Fluorene
 Concen: 0.812 ng
 RT: 15.26 min Scan# 1405
 Delta R.T. -0.01 min
 Lab File: BN010638.D
 Acq: 29 Apr 2020 00:16

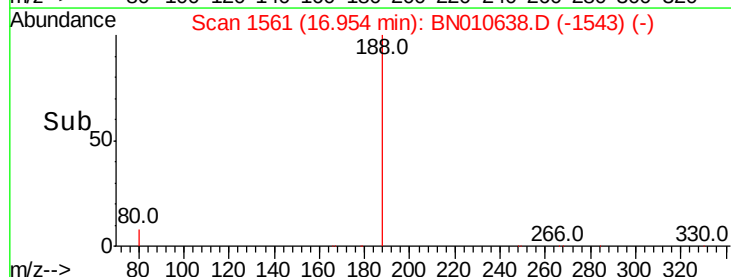
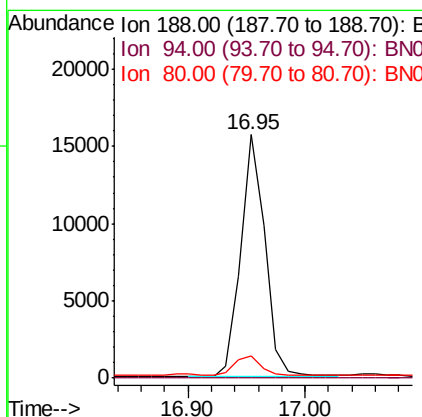
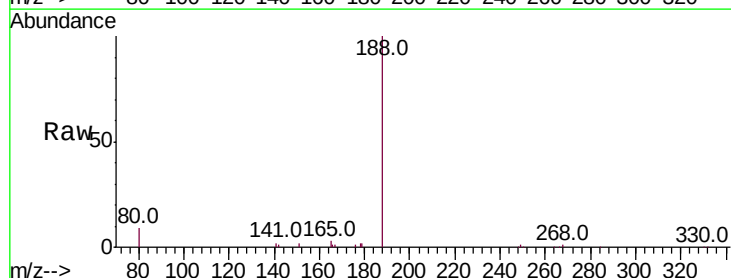
Instrument :
 BNA_N
 ClientSampleId :

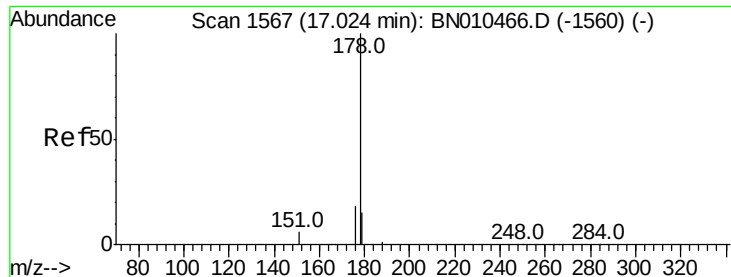
Tot Ion:166 Resp: 30081
 Ion Ratio Lower Upper
 166 100
 165 94.8 78.4 117.6
 167 14.0 10.9 16.3



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.95 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BN010638.D
 Acq: 29 Apr 2020 00:16

Tgt Ion:188 Resp: 22282
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 9.0 5.0 7.6#





#23

Phenanthrene

Concen: 0.779 ng

RT: 17.00 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

Instrument :

BNA_N

ClientSampleId :

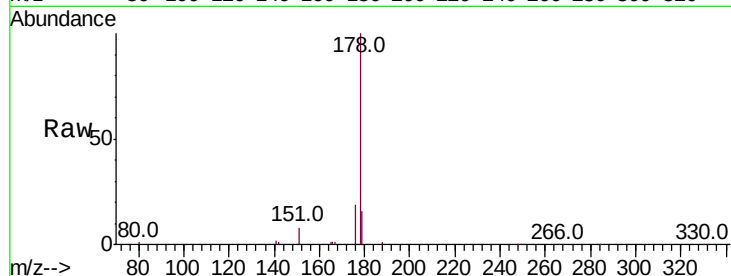
Tot Ion:178 Resp: 46866

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

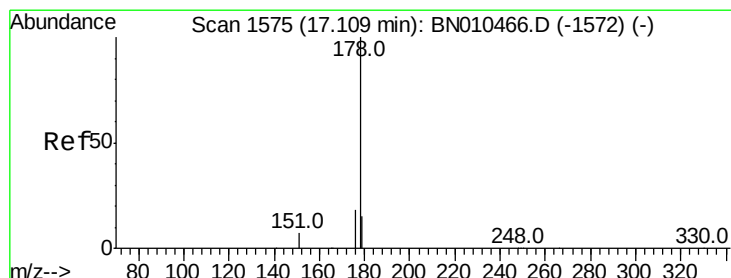
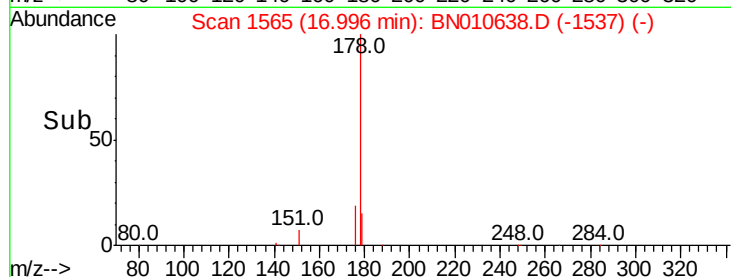
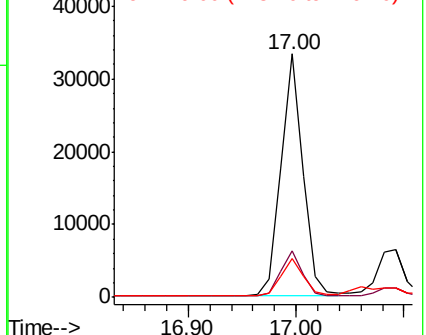
179 15.9 12.6 18.8



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



#24

Anthracene

Concen: 0.182 ng

RT: 17.09 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

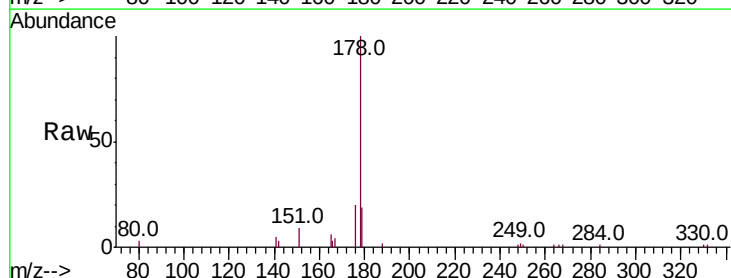
Tgt Ion:178 Resp: 10028

Ion Ratio Lower Upper

178 100

176 18.7 14.6 21.8

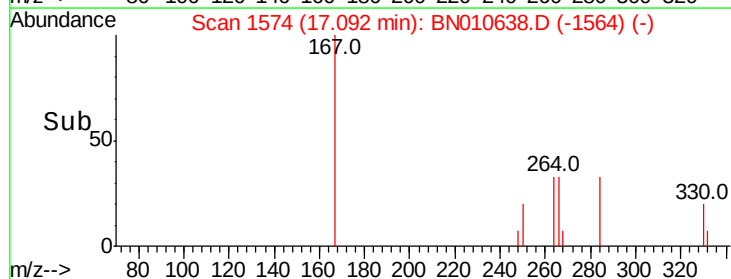
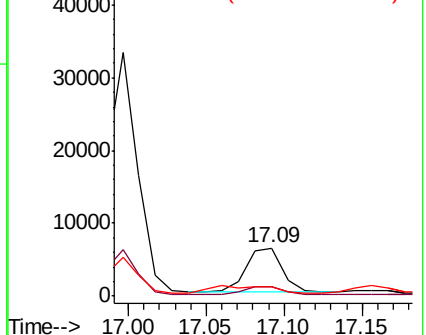
179 0.0 12.2 18.2#

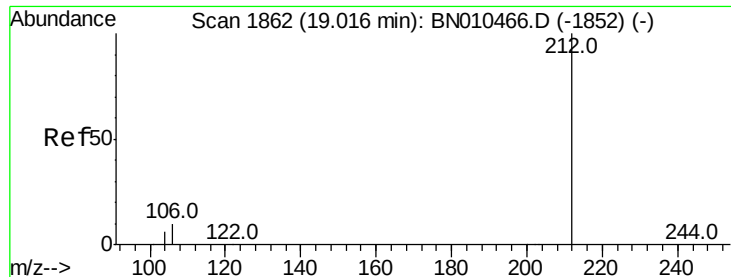


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.349 ng

RT: 18.99 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

Instrument :

BNA_N

ClientSampleId :

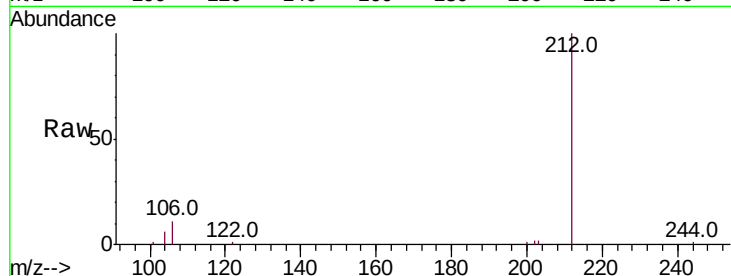
Tot Ion:212 Resp: 23567

Ion Ratio Lower Upper

212 100

106 10.8 7.8 11.6

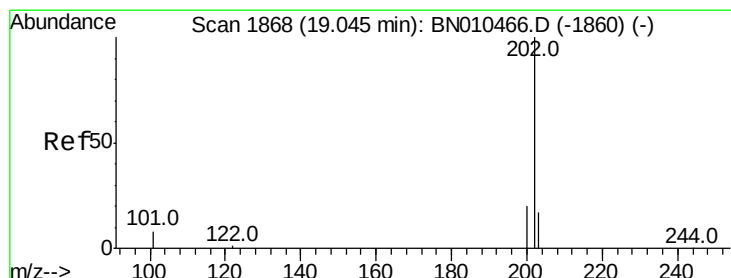
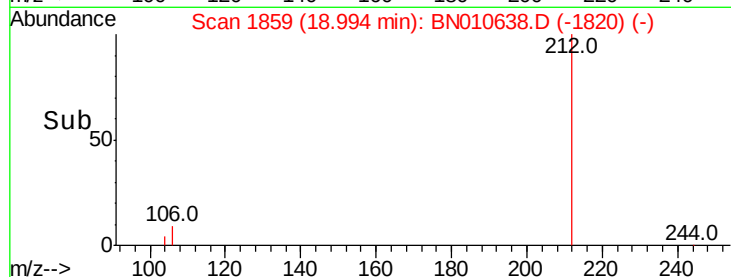
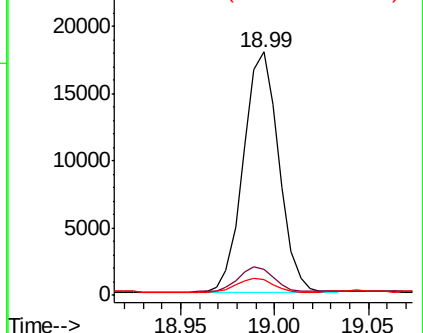
104 5.9 4.5 6.7



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: 0.292 ng

RT: 19.02 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

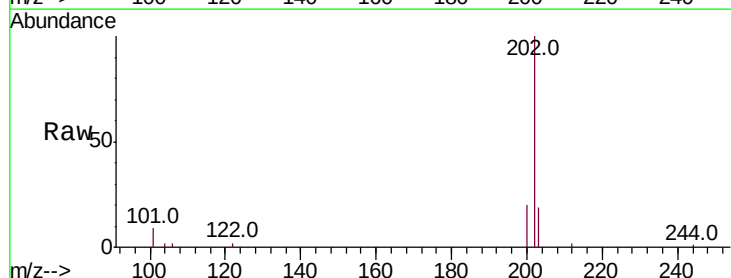
Tgt Ion:202 Resp: 21877

Ion Ratio Lower Upper

202 100

101 8.7 6.9 10.3

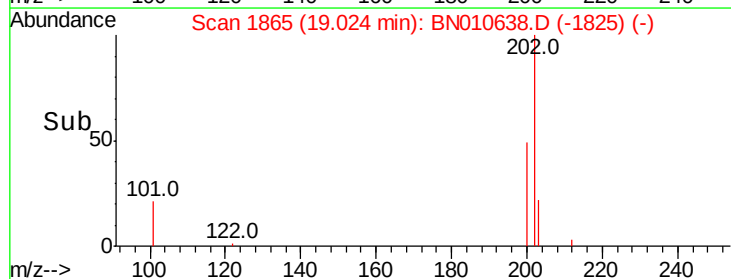
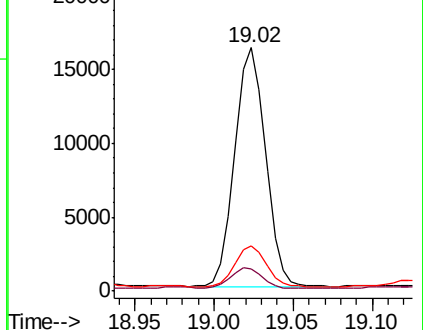
203 17.5 13.9 20.9

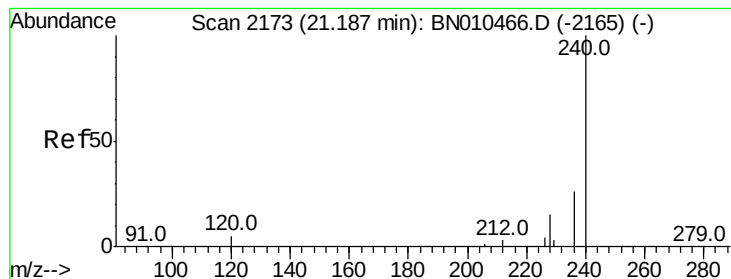


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.16 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

Instrument :

BNA_N

ClientSampleId :

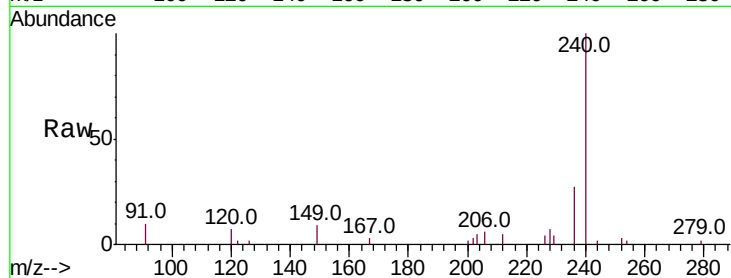
Tot Ion:240 Resp: 18855

Ion Ratio Lower Upper

240 100

120 6.9 4.8 7.2

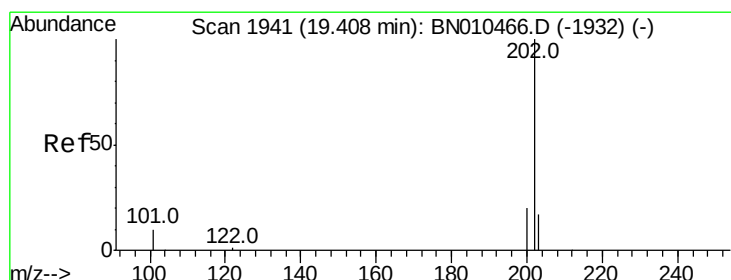
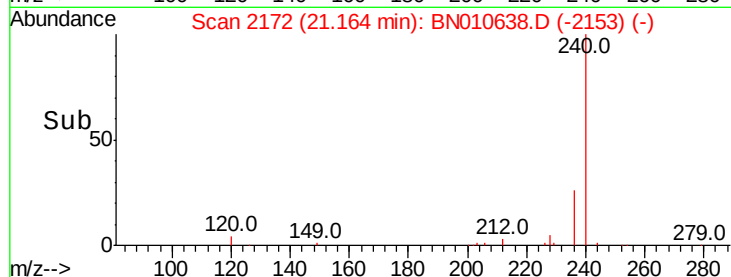
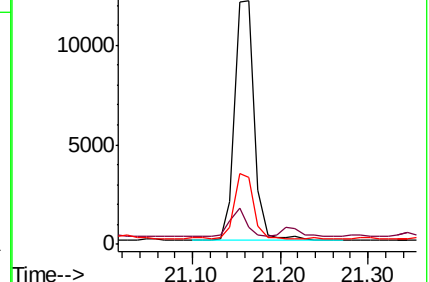
236 27.4 21.4 32.0



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



#28

Pyrene

Concen: 0.381 ng

RT: 19.39 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

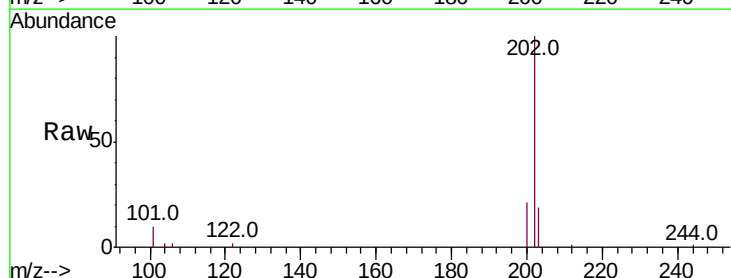
Tgt Ion:202 Resp: 24176

Ion Ratio Lower Upper

202 100

200 20.9 16.3 24.5

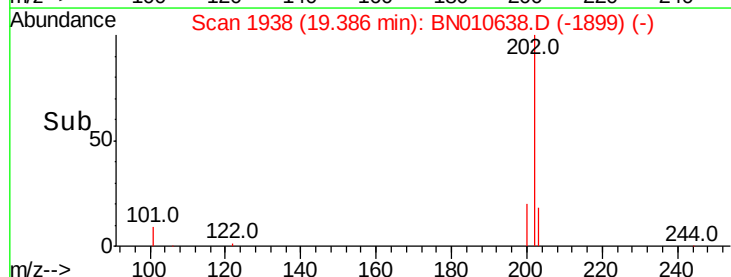
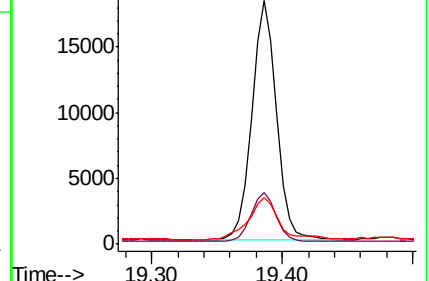
203 22.0 14.0 21.0#

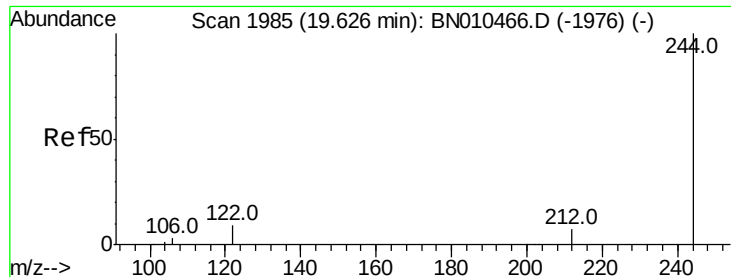


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.460 ng

RT: 19.60 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

Instrument :

BNA_N

ClientSampleId :

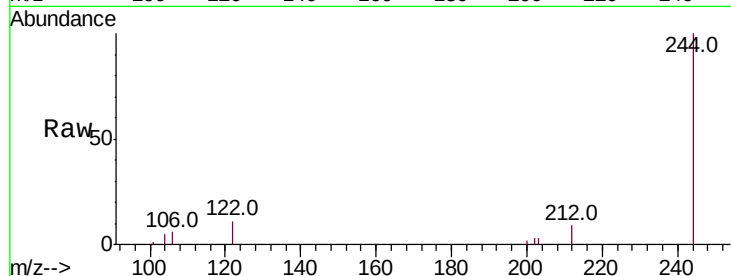
Tot Ion:244 Resp: 19830

Ion Ratio Lower Upper

244 100

212 8.6 6.2 9.4

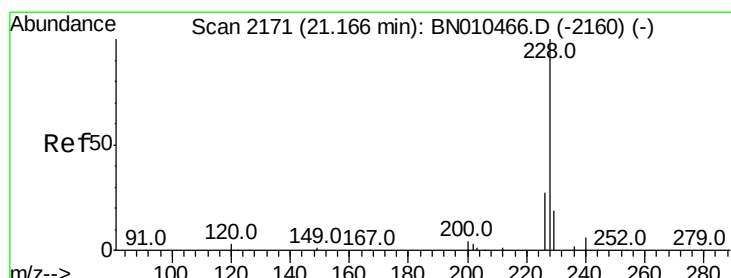
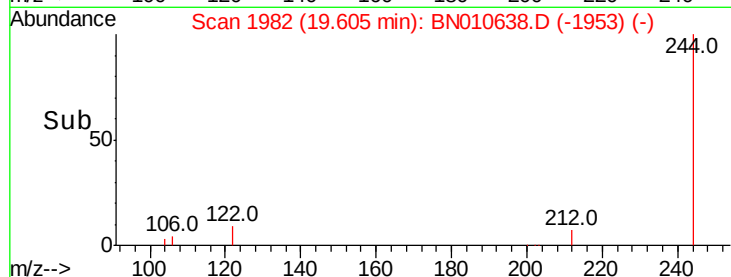
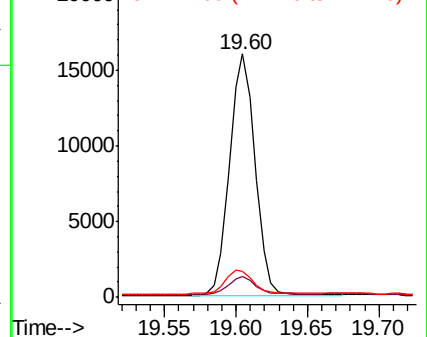
122 10.6 7.8 11.8



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: 0.039 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

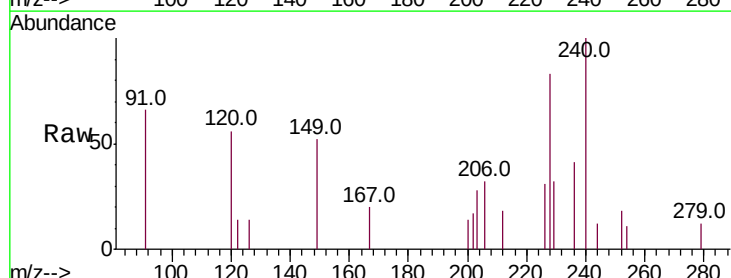
Tgt Ion:228 Resp: 2395

Ion Ratio Lower Upper

228 100

226 37.1 21.7 32.5#

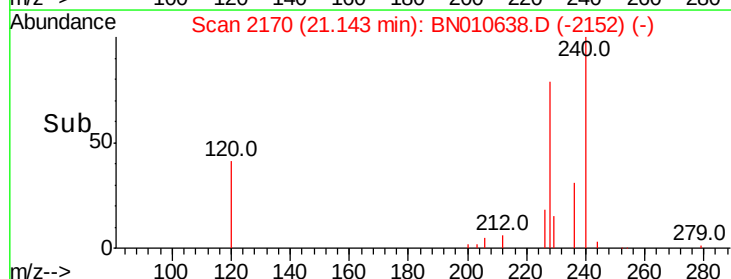
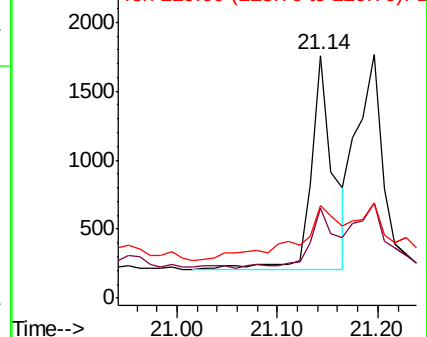
229 38.3 15.6 23.4#

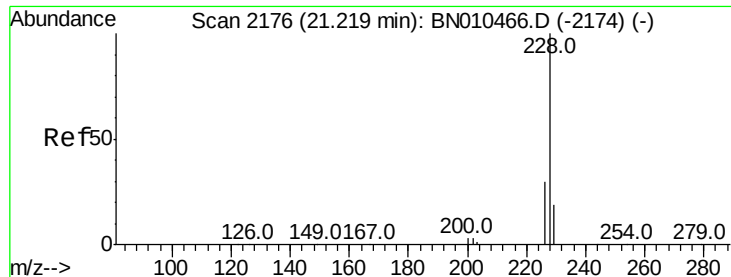


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.045 ng

RT: 21.20 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

Instrument :

BNA_N

ClientSampleId :

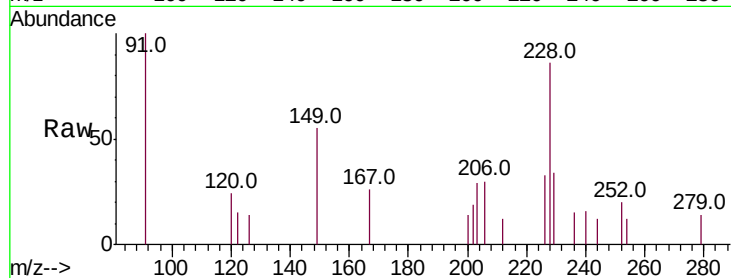
Tot Ion:228 Resp: 2772

Ion Ratio Lower Upper

228 100

226 38.9 24.0 36.0#

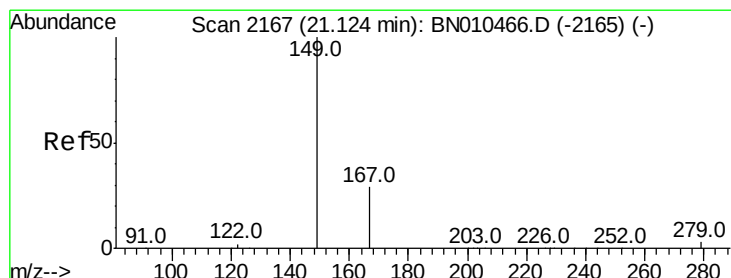
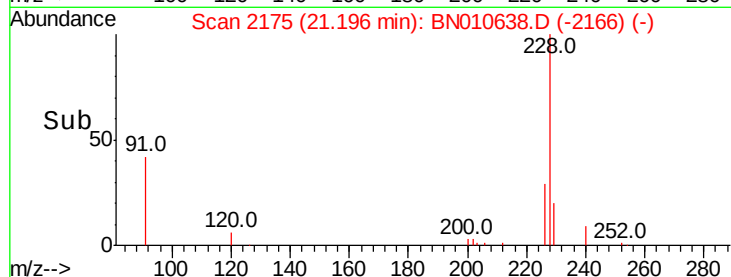
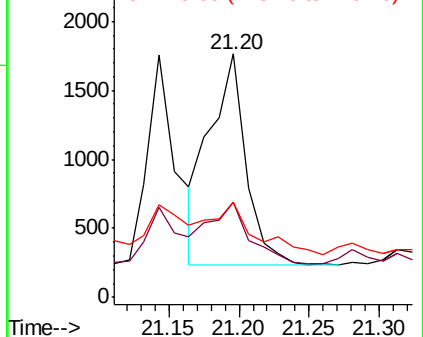
229 39.2 15.8 23.6#



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: 0.139 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BN010638.D

Acq: 29 Apr 2020 00:16

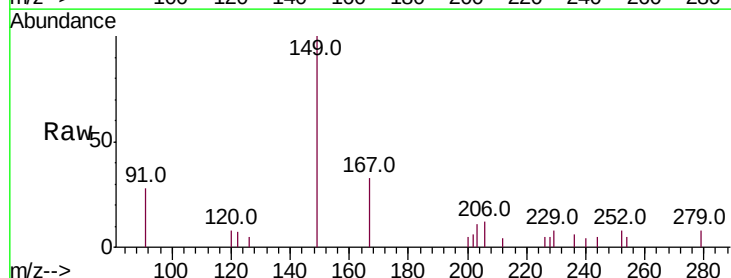
Tgt Ion:149 Resp: 4384

Ion Ratio Lower Upper

149 100

167 30.4 23.4 35.0

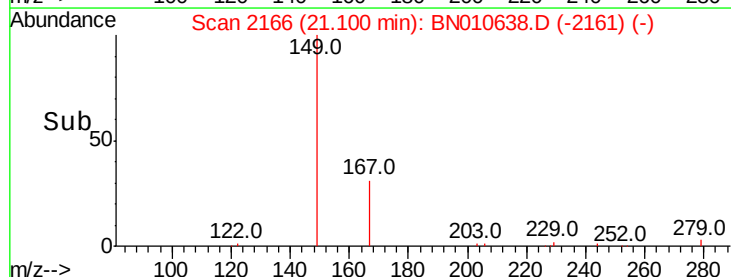
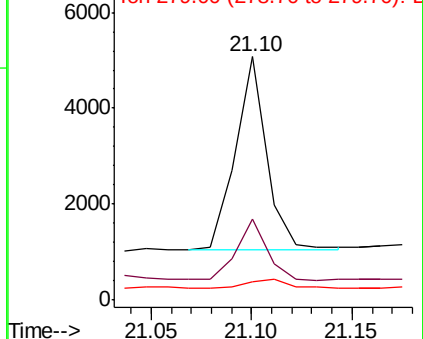
279 5.7 4.0 6.0

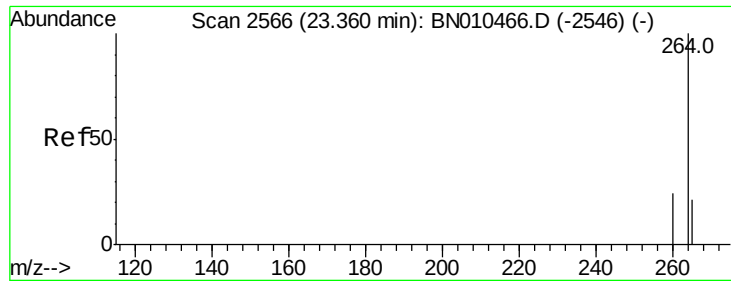


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

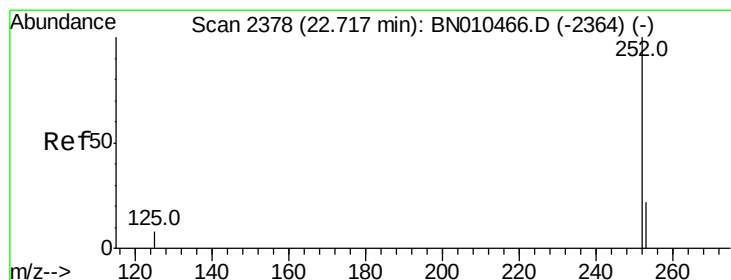
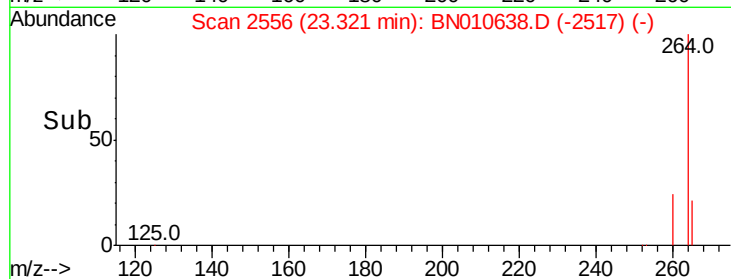
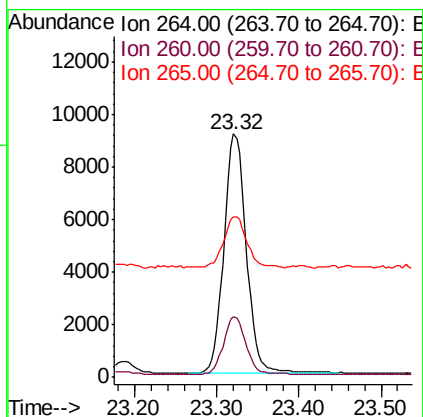
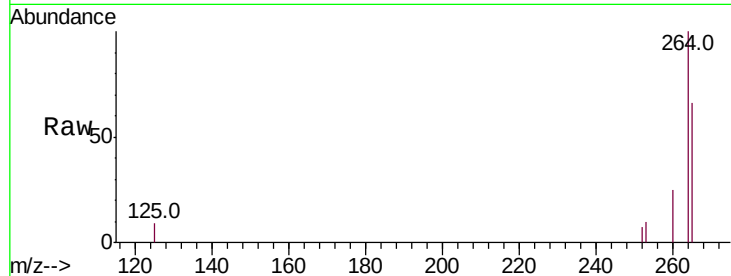




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.32 min Scan# 2556
Delta R.T. -0.02 min
Lab File: BN010638.D
Acq: 29 Apr 2020 00:16

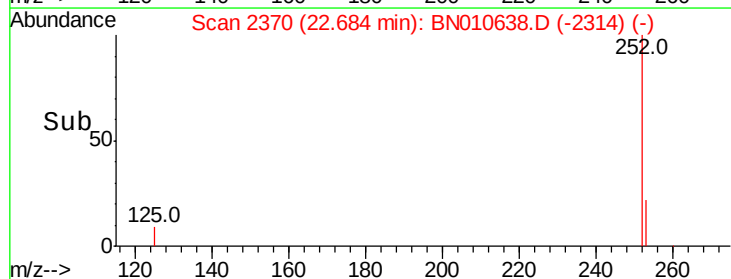
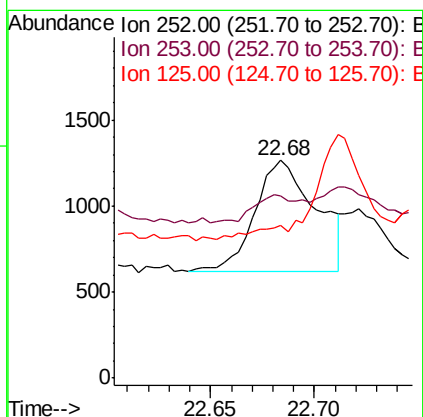
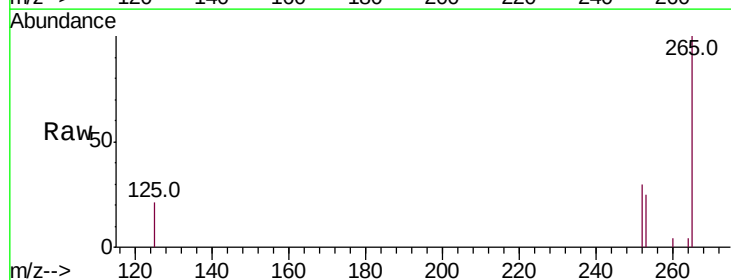
Instrument :
BNA_N
ClientSampleId :

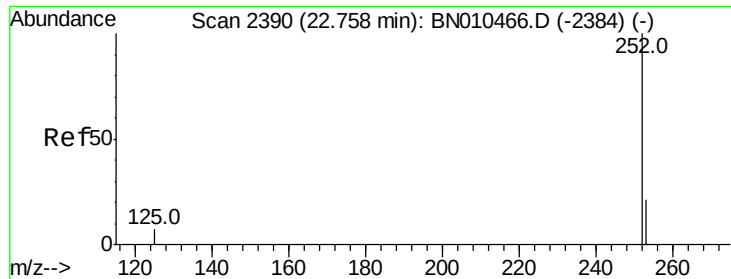
Tot Ion:264 Resp: 17133
Ion Ratio Lower Upper
264 100
260 25.0 19.8 29.8
265 65.7 42.3 63.5#



#35
Benzo(b)fluoranthene
Concen: 0.023 ng
RT: 22.68 min Scan# 2370
Delta R.T. -0.01 min
Lab File: BN010638.D
Acq: 29 Apr 2020 00:16

Tgt Ion:252 Resp: 1310
Ion Ratio Lower Upper
252 100
253 83.7 20.2 30.4#
125 70.0 9.2 13.8#





#36
Benzo(k)fluoranthene
Concen: 0.023 ng
RT: 22.68 min Scan# 2370
Delta R.T. -0.05 min
Lab File: BN010638.D
Acq: 29 Apr 2020 00:16

Instrument :
BNA_N
ClientSampleId :

Tot Ion: 252 Resp: 1310
Ion Ratio Lower Upper
252 100
253 83.7 20.1 30.1#
125 70.0 9.6 14.4#

