

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012220.D
 Acq On : 15 Oct 2020 07:10
 Operator : CG/JU
 Sample : L4184-20DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 15 08:09:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 04:47:44 2020
 Response via : Initial Calibration

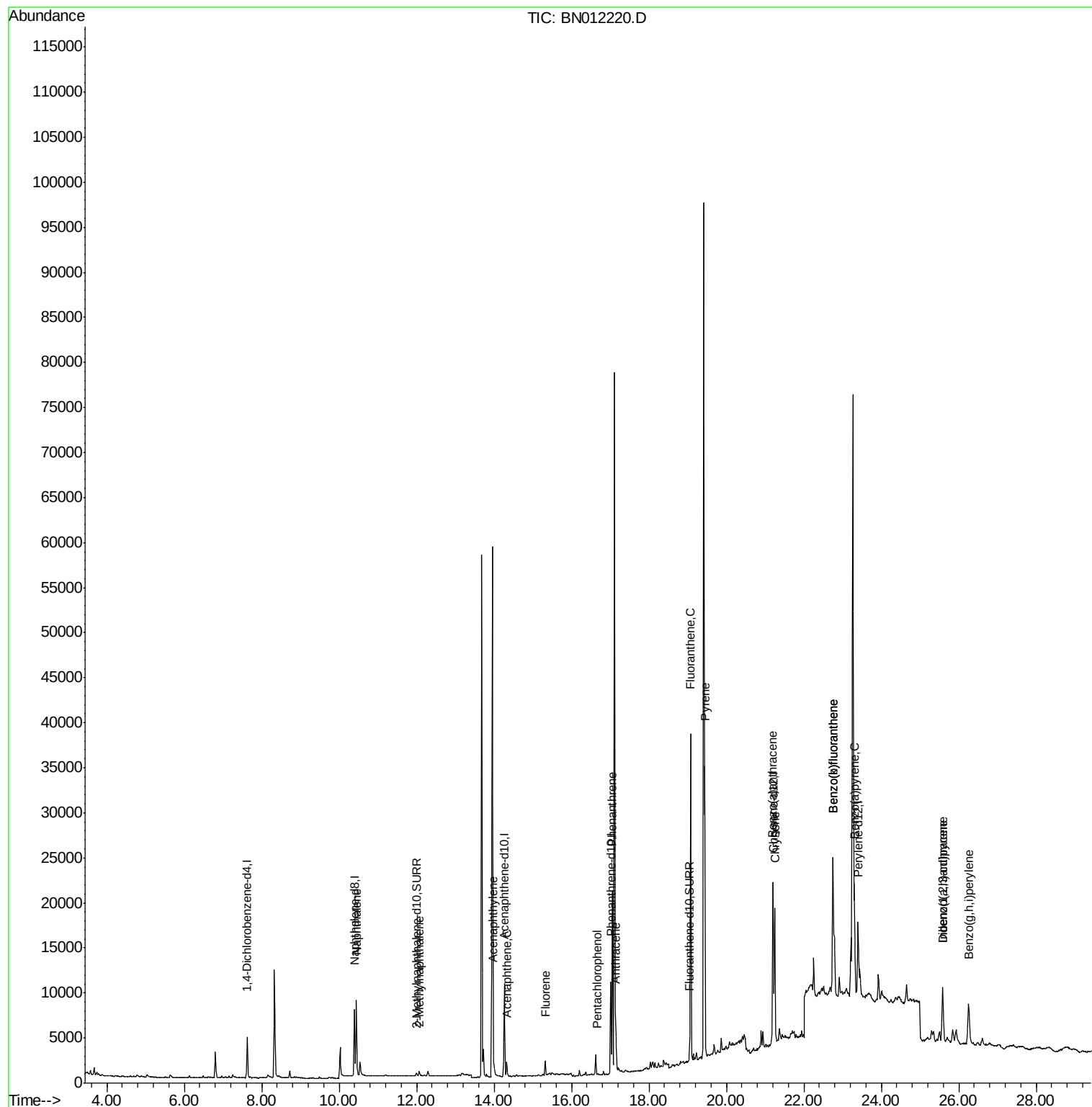
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2332	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	9735	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	5574	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	11736	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	9557	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	9853	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	460	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	1049	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	4895	0.174	ng/ul	100
5) 2-Methylnaphthalene	12.07	142	446	0.025	ng/ul	95
7) Acenaphthylene	13.98	152	990	0.041	ng/ul#	79
8) Acenaphthene	14.32	153	973	0.048	ng/ul	96
9) Fluorene	15.32	166	1080	0.047	ng/ul#	92
11) Pentachlorophenol	16.67	266	84	0.025	ng/ul	87
12) Phenanthrene	17.05	178	20783	0.556	ng/ul	99
13) Anthracene	17.14	178	3558	0.111	ng/ul#	93
15) Fluoranthene	19.07	202	31073	0.710	ng/ul	99
17) Pyrene	19.44	202	26833	0.623	ng/ul	99
18) Benzo(a)anthracene	21.20	228	13422	0.379	ng/ul#	89
19) Chrysene	21.25	228	13688	0.317	ng/ul#	89
21) Benzo(b)fluoranthene	22.75	252	24546	0.617	ng/ul#	39
22) Benzo(k)fluoranthene	22.75	252	24546	0.557	ng/ul#	38
23) Benzo(a)pyrene	23.31	252	11886	0.307	ng/ul#	48
24) Indeno(1,2,3-cd)pyrene	25.58	276	9386	0.189	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.59	278	2415	0.061	ng/ul#	1
26) Benzo(g,h,i)perylene	26.25	276	9073	0.199	ng/ul#	74

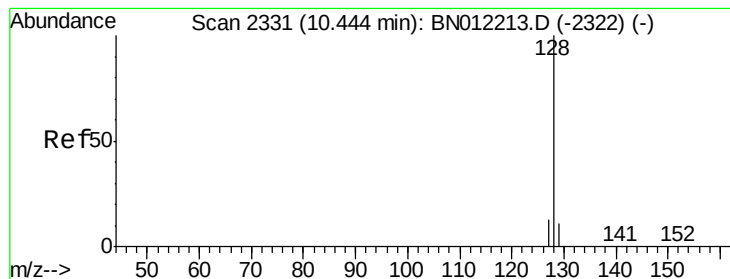
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.174 ng/ul

RT: 10.44 min Scan# 2331

Delta R.T. 0.00 min

Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

Instrument :

BNA_N

ClientSampleId :

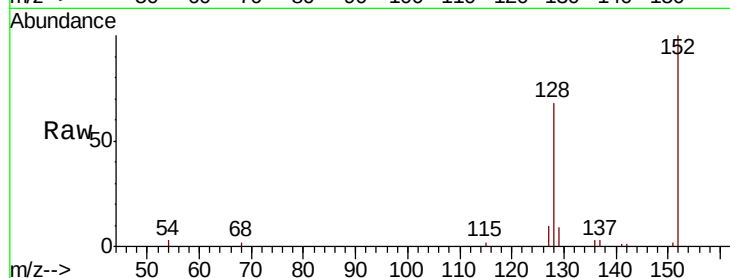
Tot Ion:128 Resp: 4895

Ion Ratio Lower Upper

128 100

129 12.7 10.3 15.5

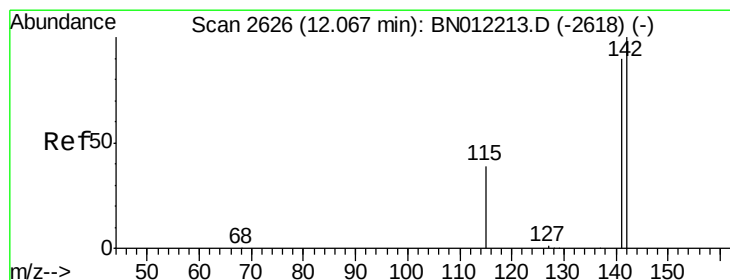
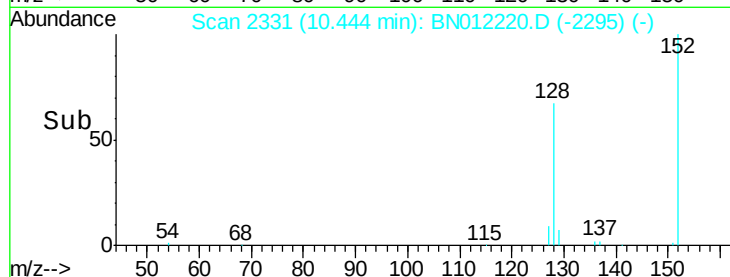
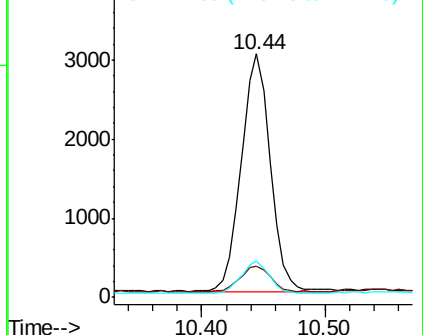
127 14.7 11.9 17.9



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



#5

2-Methylnaphthalene

Concen: 0.025 ng/ul

RT: 12.07 min Scan# 2626

Delta R.T. 0.00 min

Lab File: BN012220.D

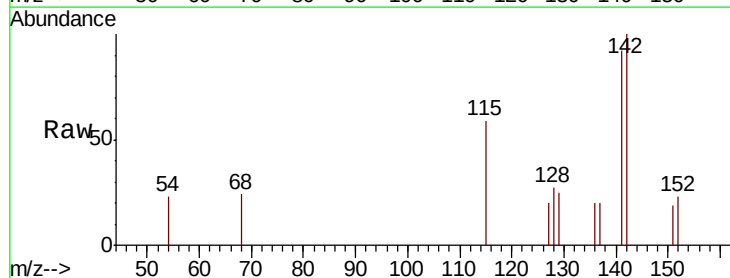
Acq: 15 Oct 2020 07:10

Tgt Ion:142 Resp: 446

Ion Ratio Lower Upper

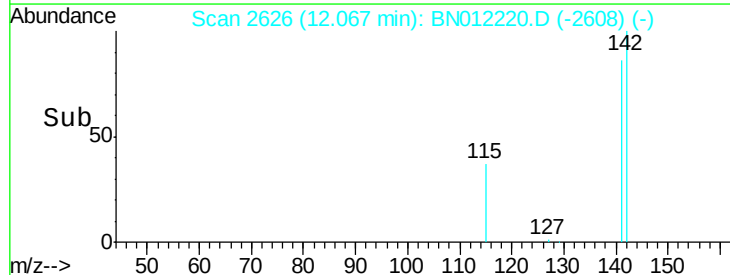
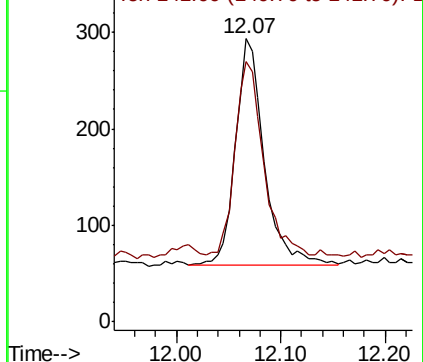
142 100

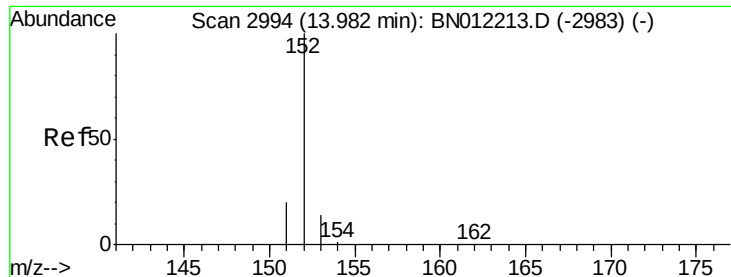
141 85.2 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.041 ng/ul

RT: 13.98 min Scan# 2994

Delta R.T. 0.00 min

Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

Instrument :

BNA_N

ClientSampleId :

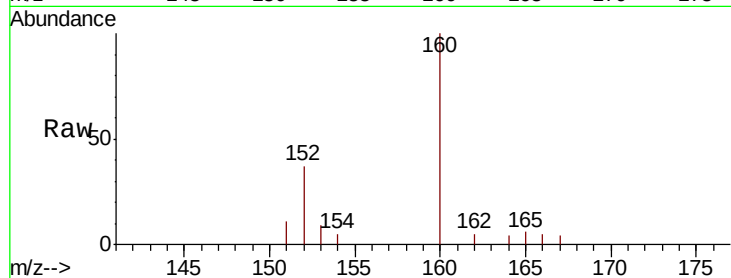
Tot Ion:152 Resp: 990

Ion Ratio Lower Upper

152 100

151 30.3 16.7 25.1#

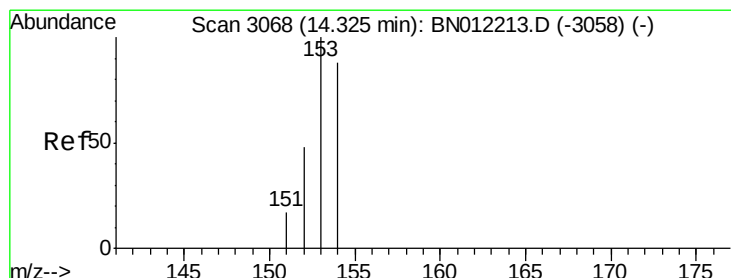
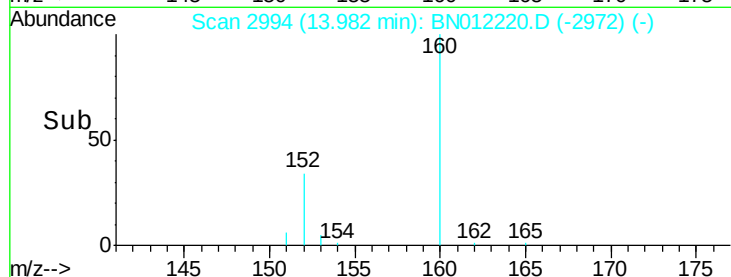
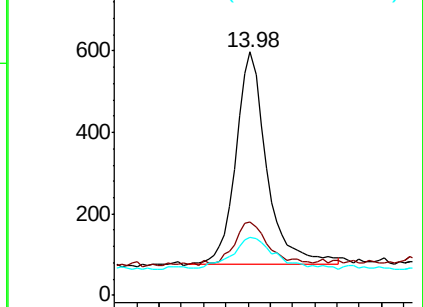
153 23.6 11.8 17.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.048 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. 0.00 min

Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

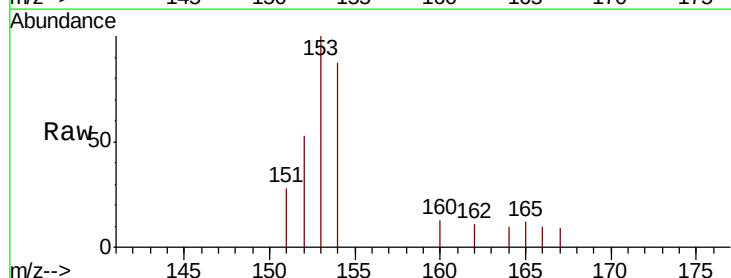
Tgt Ion:153 Resp: 973

Ion Ratio Lower Upper

153 100

152 52.7 38.2 57.2

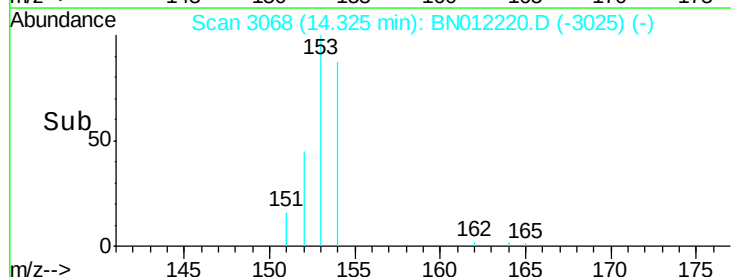
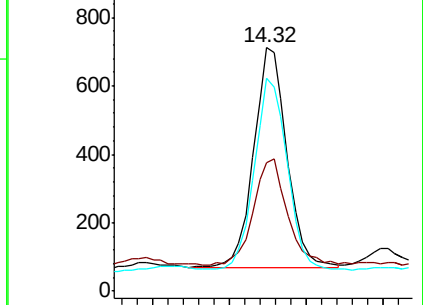
154 87.2 71.1 106.7

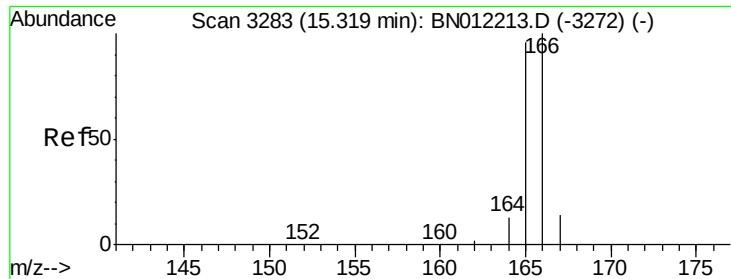


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

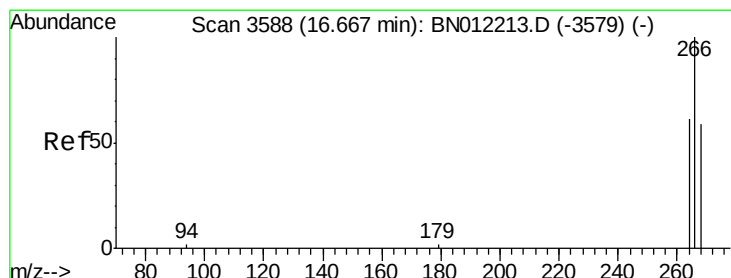
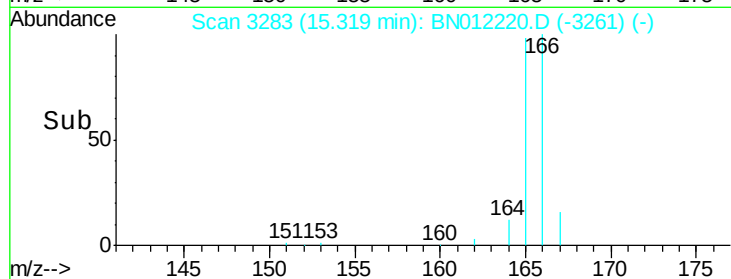
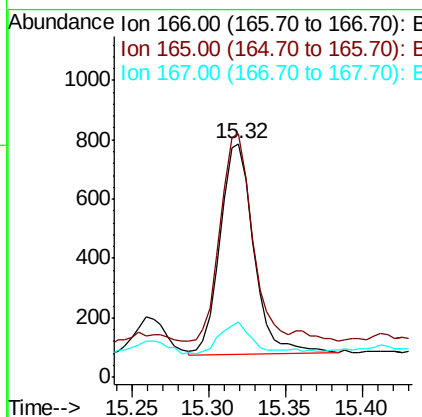
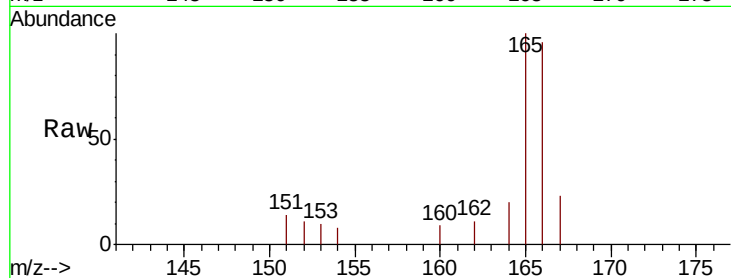




#9
Fluorene
 Concen: 0.047 ng/ul
 RT: 15.32 min Scan# 3283
 Delta R.T. 0.00 min
 Lab File: BN012220.D
 Acq: 15 Oct 2020 07:10

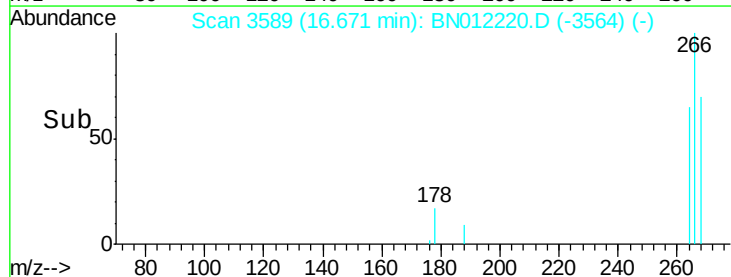
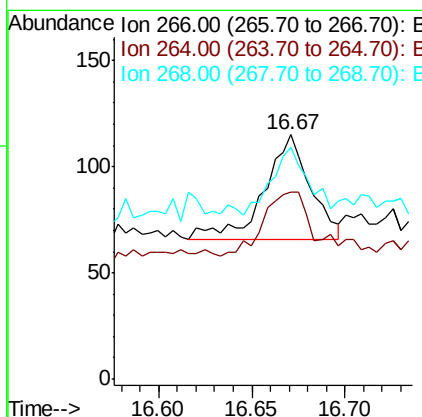
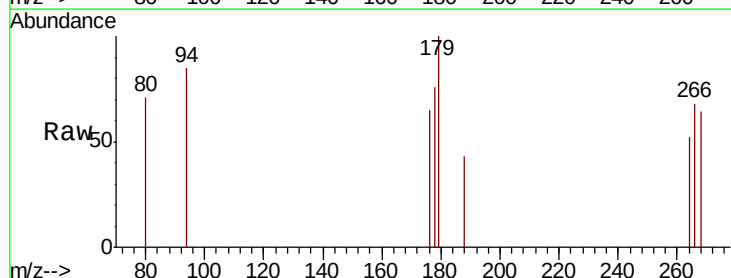
Instrument :
 BNA_N
 ClientSampleId :

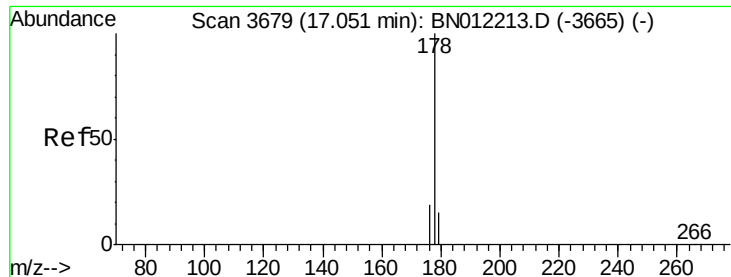
Tot Ion:166 Resp: 1080
 Ion Ratio Lower Upper
 166 100
 165 104.3 78.6 118.0
 167 23.7 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.025 ng/ul
 RT: 16.67 min Scan# 3589
 Delta R.T. 0.00 min
 Lab File: BN012220.D
 Acq: 15 Oct 2020 07:10

Tgt Ion:266 Resp: 84
 Ion Ratio Lower Upper
 266 100
 264 72.6 50.3 75.5
 268 54.8 52.4 78.6





#12

Phenanthrene

Concen: 0.556 ng/ul

RT: 17.05 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

Instrument :

BNA_N

ClientSampleId :

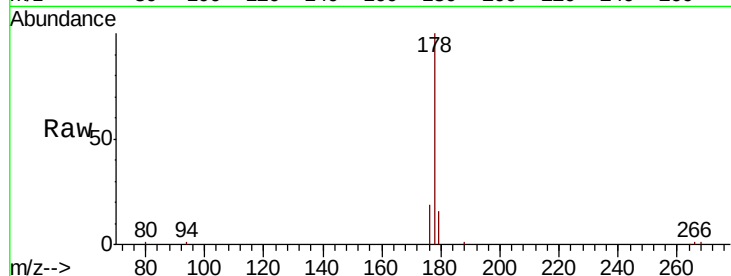
Tot Ion:178 Resp: 20783

Ion Ratio Lower Upper

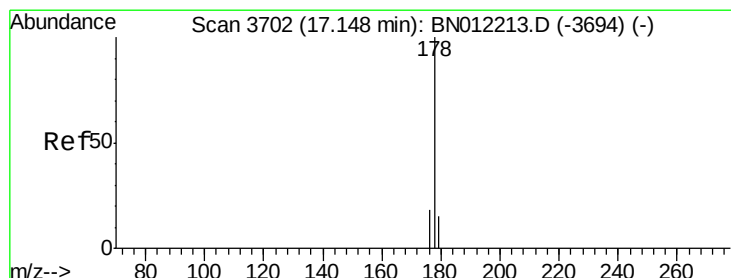
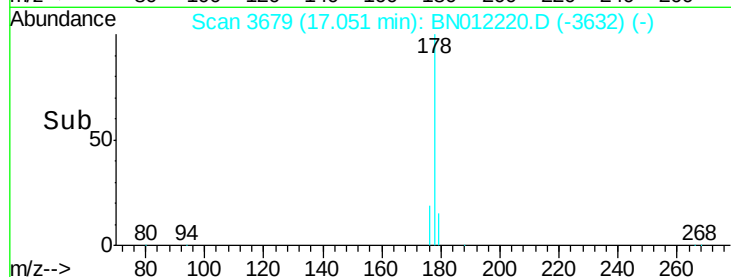
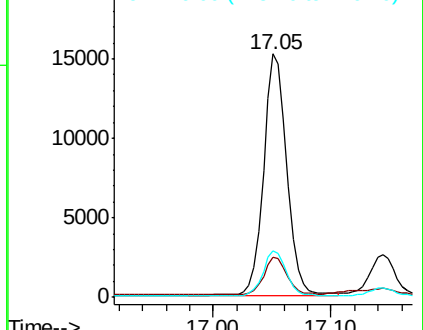
178 100

179 16.2 13.4 20.2

176 19.1 15.7 23.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.111 ng/ul

RT: 17.14 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

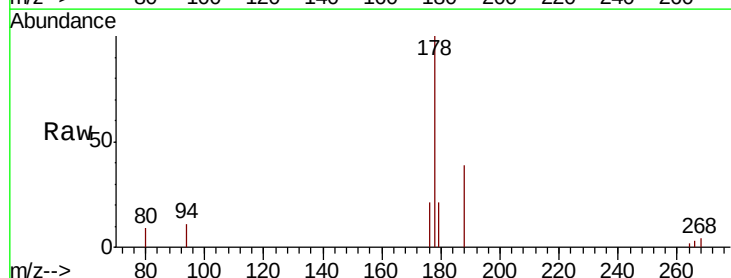
Tgt Ion:178 Resp: 3558

Ion Ratio Lower Upper

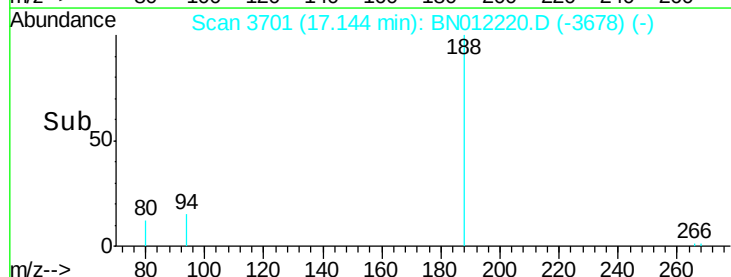
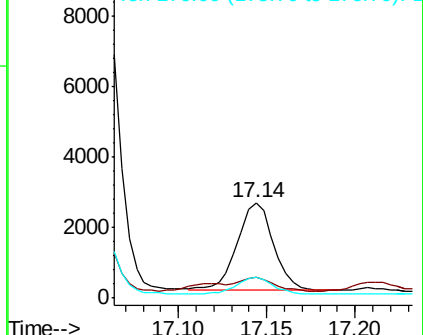
178 100

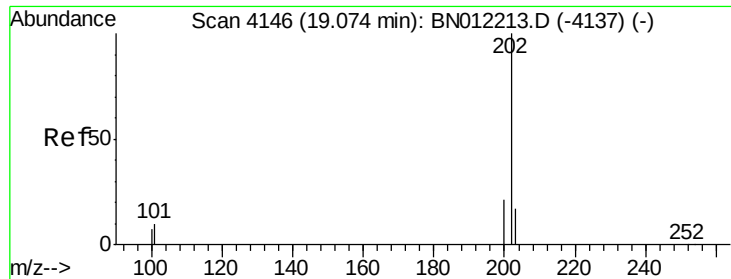
179 21.3 13.9 20.9#

176 21.4 15.4 23.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

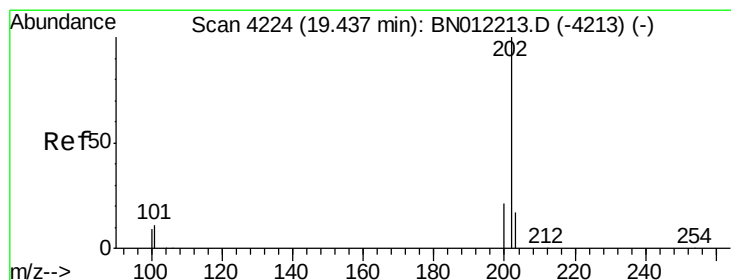
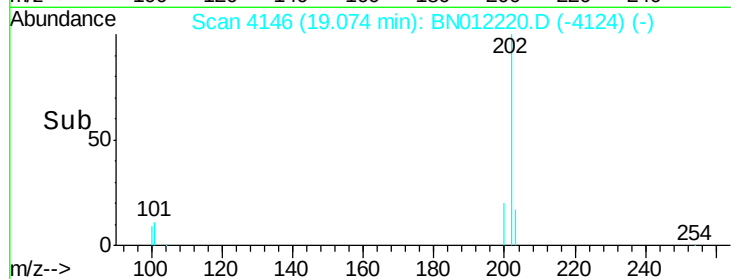
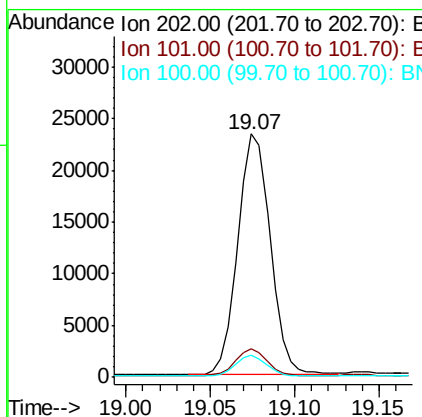
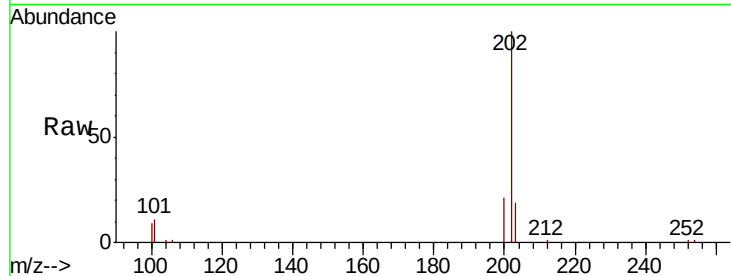




#15
Fluoranthene
Concen: 0.710 ng/ul
RT: 19.07 min Scan# 4146
Delta R.T. 0.00 min
Lab File: BN012220.D
Acq: 15 Oct 2020 07:10

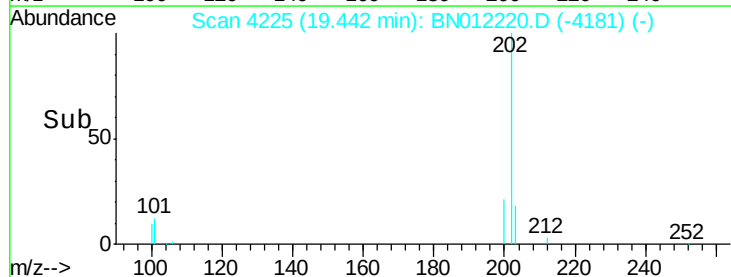
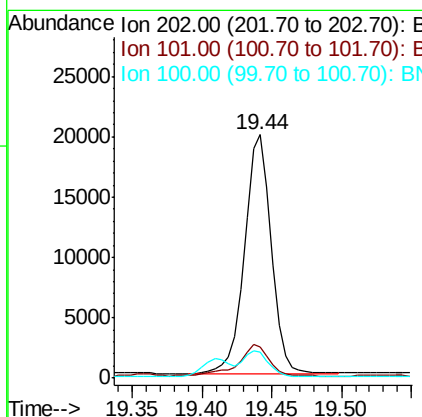
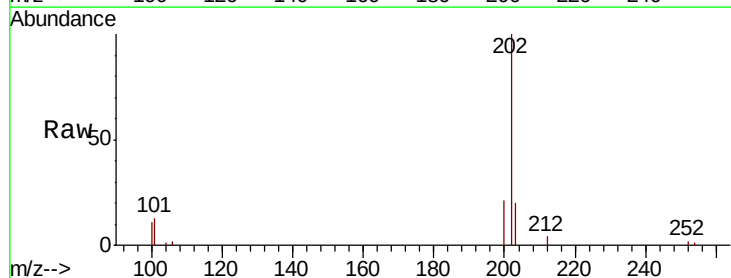
Instrument :
BNA_N
ClientSampleId :

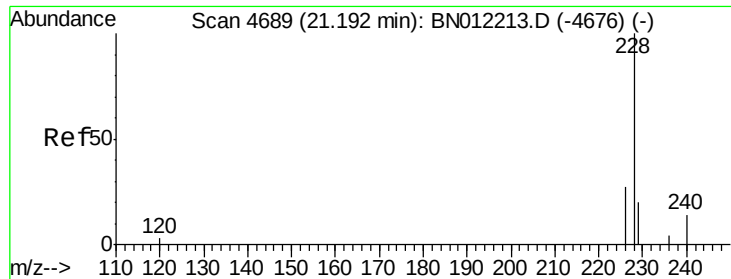
Tot Ion:202 Resp: 31073
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.0
100 8.9 0.0 28.7



#17
Pyrene
Concen: 0.623 ng/ul
RT: 19.44 min Scan# 4225
Delta R.T. 0.00 min
Lab File: BN012220.D
Acq: 15 Oct 2020 07:10

Tgt Ion:202 Resp: 26833
Ion Ratio Lower Upper
202 100
101 12.9 9.9 14.9
100 10.6 8.0 12.0





#18

Benzo(a)anthracene

Concen: 0.379 ng/ul

RT: 21.20 min Scan# 4690

Delta R.T. 0.00 min

Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

Instrument :

BNA_N

ClientSampleId :

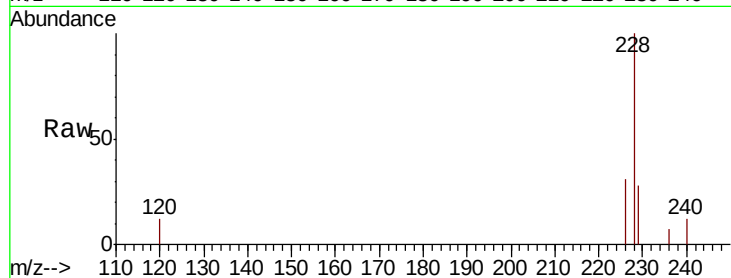
Tot Ion:228 Resp: 13422

Ion Ratio Lower Upper

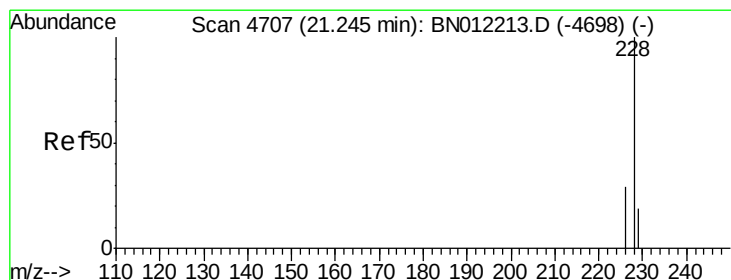
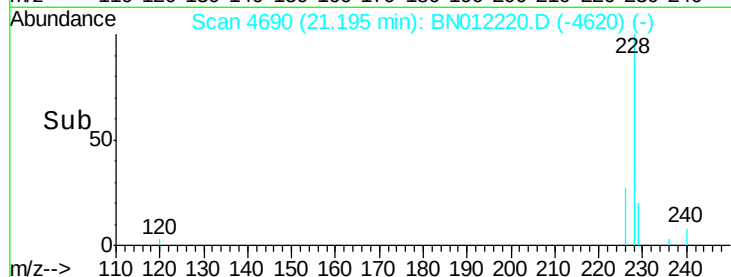
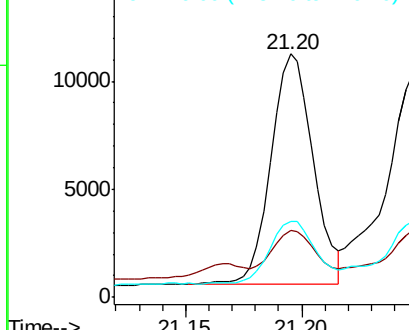
228 100

229 27.6 15.8 23.8#

226 31.4 22.6 33.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.317 ng/ul

RT: 21.25 min Scan# 4708

Delta R.T. 0.00 min

Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

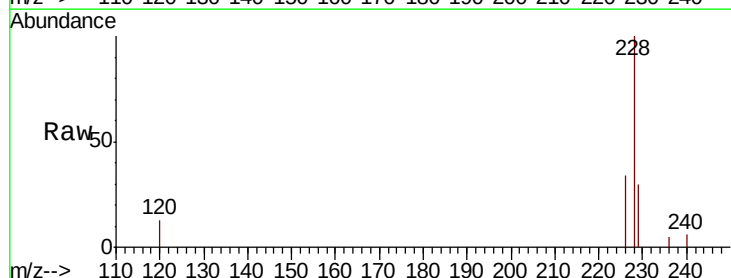
Tgt Ion:228 Resp: 13688

Ion Ratio Lower Upper

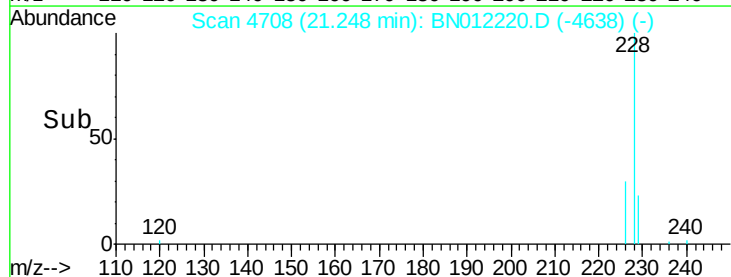
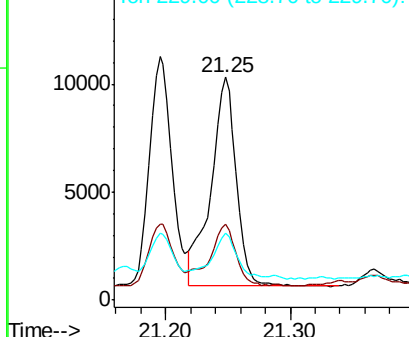
228 100

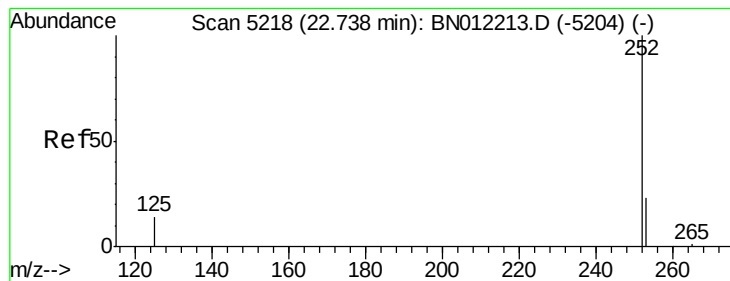
226 34.3 24.6 37.0

229 30.2 17.0 25.6#



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





#21

Benzo(b)fluoranthene

Concen: 0.617 ng/ul

RT: 22.75 min Scan# 5221

Delta R.T. 0.01 min

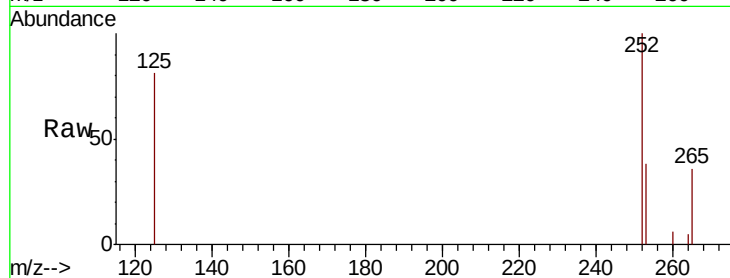
Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

Instrument :

BNA_N

ClientSampleId :



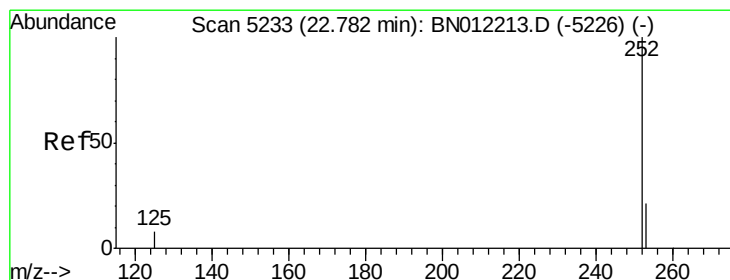
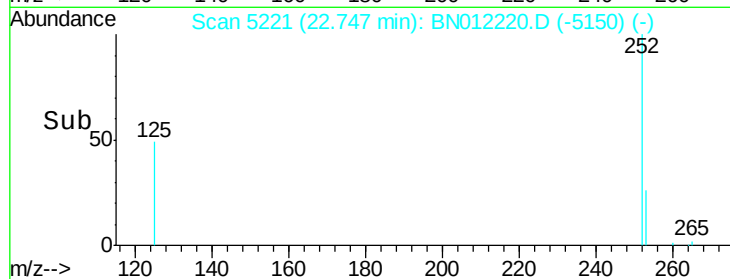
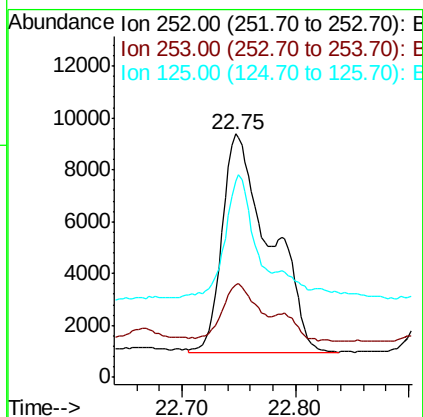
Tot Ion:252 Resp: 24546

Ion Ratio Lower Upper

252 100

253 38.1 0.0 61.6

125 80.7 0.0 36.8#



#22

Benzo(k)fluoranthene

Concen: 0.557 ng/ul

RT: 22.75 min Scan# 5221

Delta R.T. -0.03 min

Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

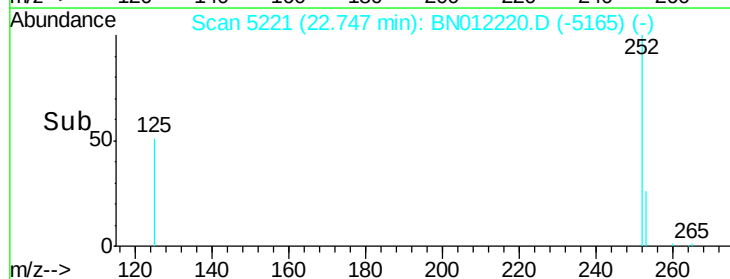
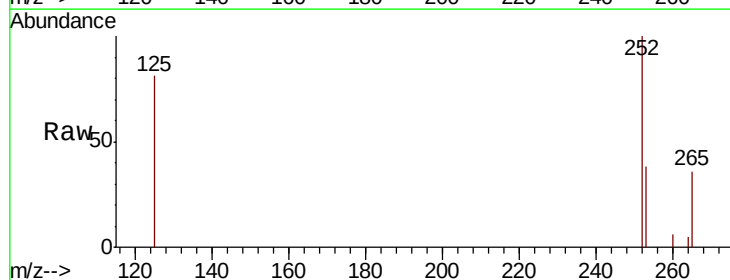
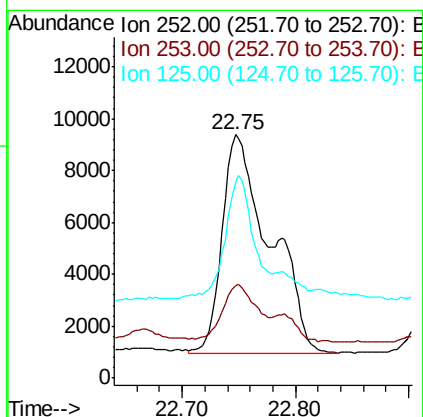
Tgt Ion:252 Resp: 24546

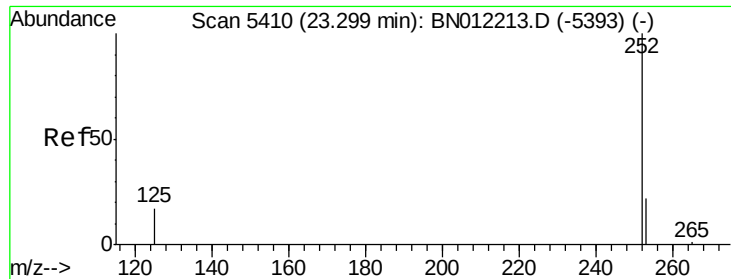
Ion Ratio Lower Upper

252 100

253 38.1 24.4 36.6#

125 80.7 12.9 19.3#





#23

Benzo(a)pyrene

Concen: 0.307 ng/ul

RT: 23.31 min Scan# 5412

Delta R.T. 0.01 min

Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

Instrument :

BNA_N

ClientSampleId :

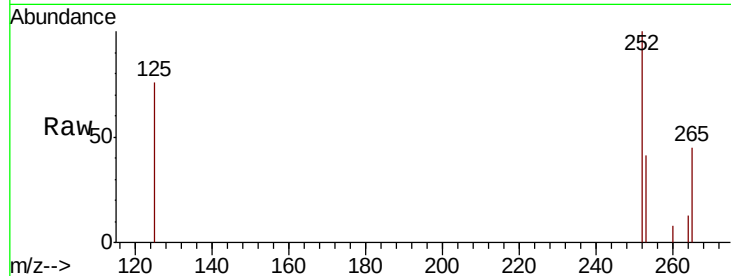
Tot Ion:252 Resp: 11886

Ion Ratio Lower Upper

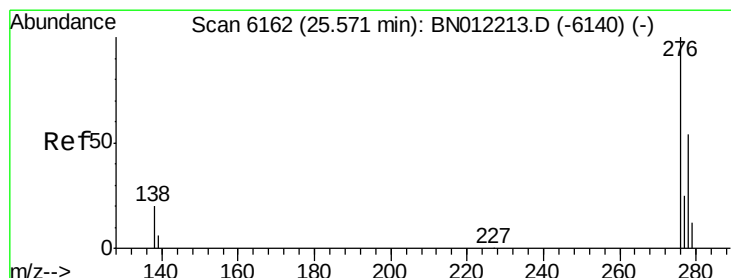
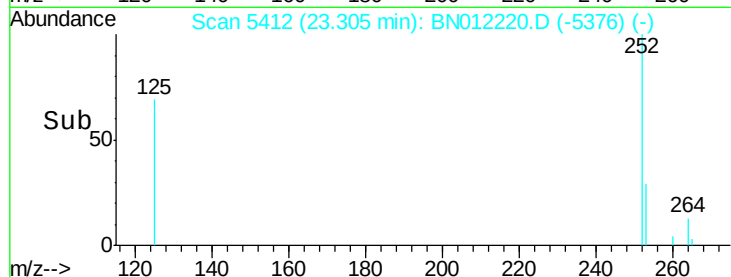
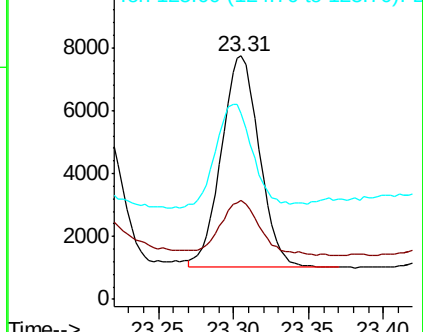
252 100

253 40.8 27.0 40.4#

125 76.2 18.8 28.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.189 ng/ul

RT: 25.58 min Scan# 6166

Delta R.T. 0.01 min

Lab File: BN012220.D

Acq: 15 Oct 2020 07:10

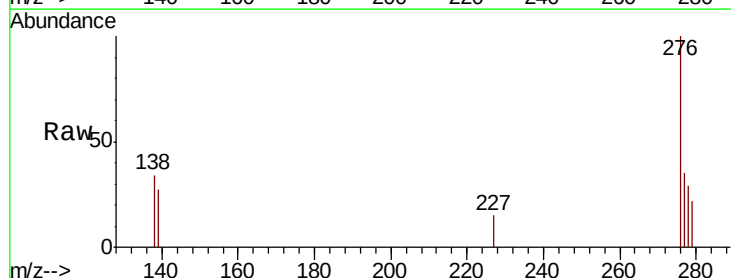
Tgt Ion:276 Resp: 9386

Ion Ratio Lower Upper

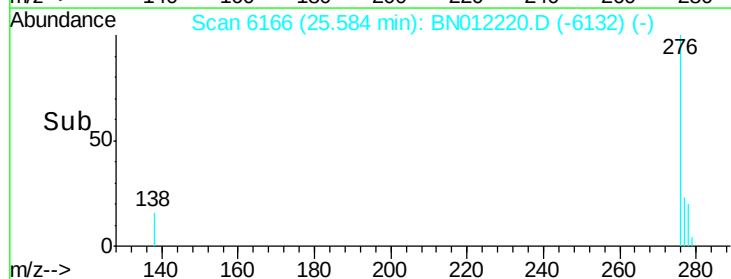
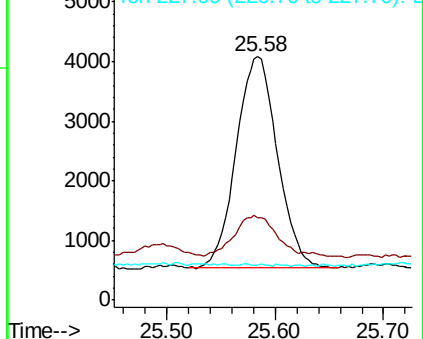
276 100

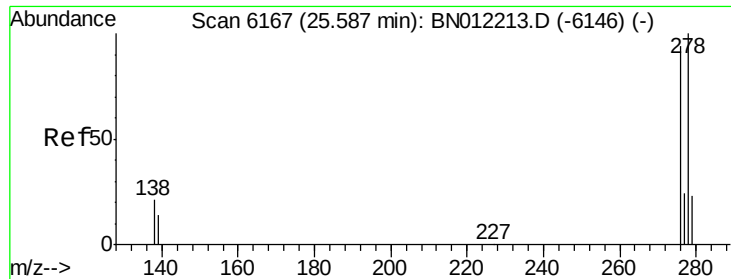
138 21.3 0.0 0.0#

227 0.2 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

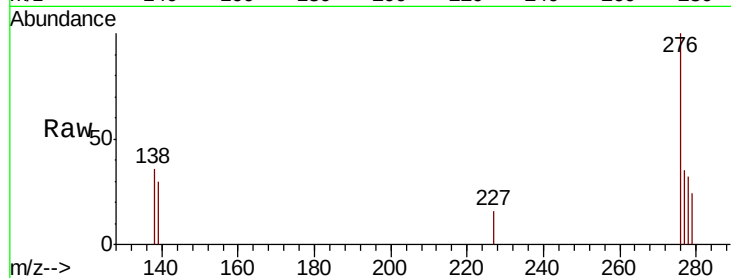




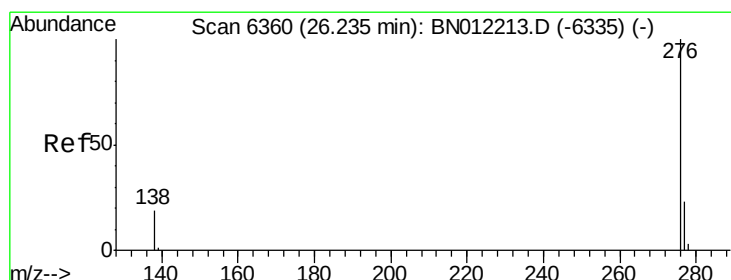
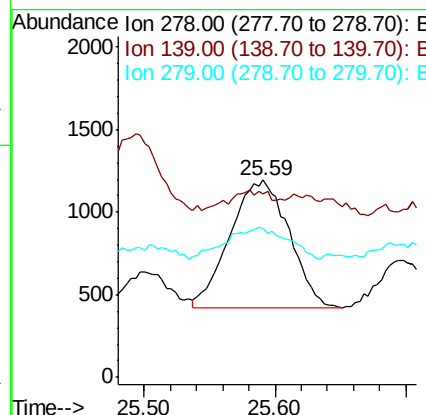
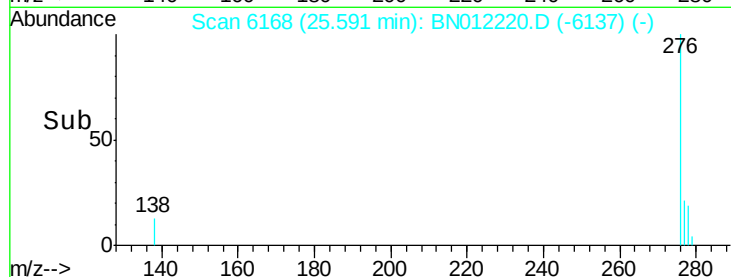
#25
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 25.59 min Scan# 6168
Delta R.T. 0.00 min
Lab File: BN012220.D
Acq: 15 Oct 2020 07:10

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 2415
Ion Ratio Lower Upper
278 100
139 93.0 15.7 23.5#
279 75.6 26.0 39.0#

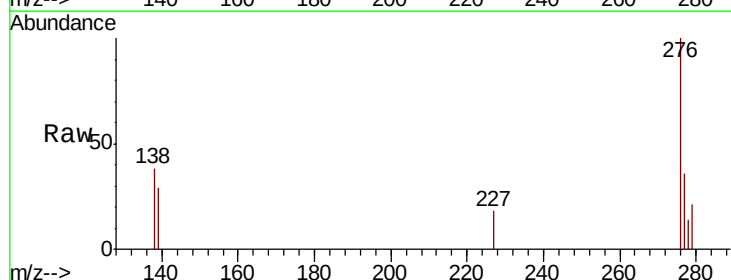


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.199 ng/ul
RT: 26.25 min Scan# 6365
Delta R.T. 0.02 min
Lab File: BN012220.D
Acq: 15 Oct 2020 07:10

Tgt Ion:276 Resp: 9073
Ion Ratio Lower Upper
276 100
138 38.2 17.1 25.7#
277 36.1 21.1 31.7#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

