

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012201.D
 Acq On : 14 Oct 2020 19:07
 Operator : CG/JU
 Sample : L4166-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 15 00:53:33 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 00:46:15 2020
 Response via : Initial Calibration

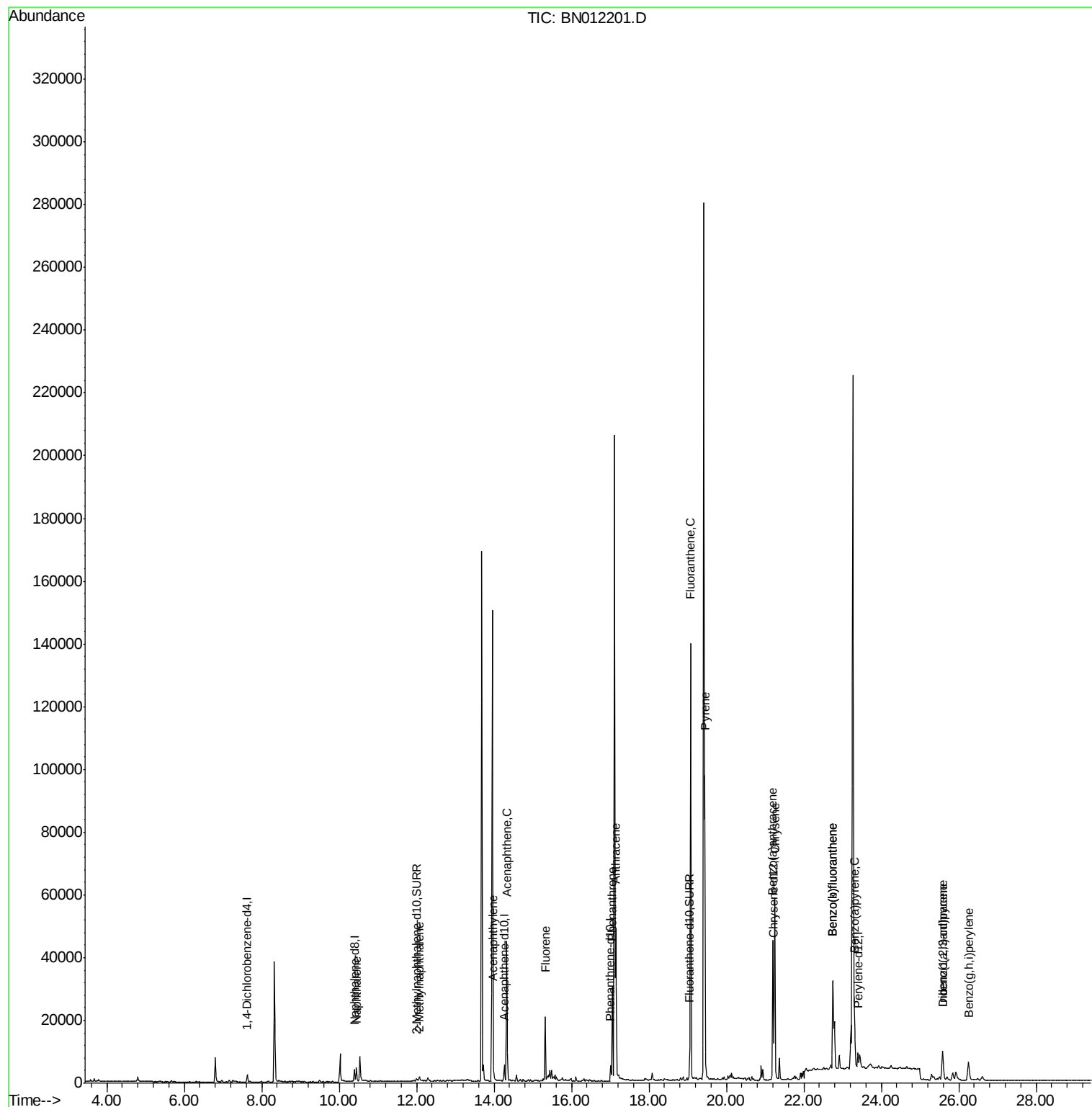
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1151	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	4663	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	2759	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	5817	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	5618	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	6016	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1161	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	2875	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	5558	0.413	ng/ul	99
5) 2-Methylnaphthalene	12.07	142	1153	0.135	ng/ul	99
7) Acenaphthylene	13.98	152	2043	0.171	ng/ul#	89
8) Acenaphthene	14.32	153	25556	2.526	ng/ul	99
9) Fluorene	15.32	166	12553	1.115	ng/ul	99
12) Phenanthrene	17.05	178	31303	1.688	ng/ul	98
13) Anthracene	17.14	178	47739	3.001	ng/ul	97
15) Fluoranthene	19.07	202	118246	5.454	ng/ul	99
17) Pyrene	19.44	202	84516	3.337	ng/ul	98
18) Benzo(a)anthracene	21.19	228	37472	1.801	ng/ul	98
19) Chrysene	21.25	228	53869	2.125	ng/ul	98
21) Benzo(b)fluoranthene	22.75	252	61018	2.511	ng/ul	89
22) Benzo(k)fluoranthene	22.75	252	61018	2.269	ng/ul#	91
23) Benzo(a)pyrene	23.30	252	25558	1.081	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.58	276	14020	0.462	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.59	278	4261	0.175	ng/ul#	86
26) Benzo(a,h,i)perylene	26.25	276	12039	0.433	ng/ul	98

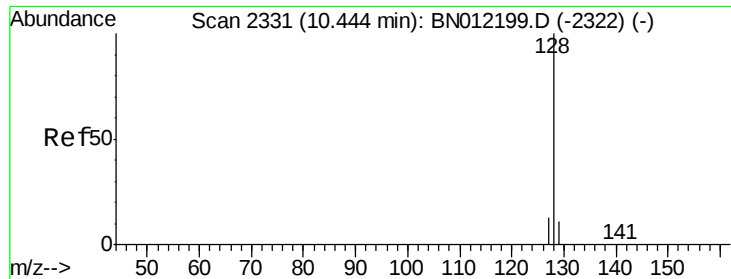
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.413 ng/ul

RT: 10.44 min Scan# 2331

Delta R.T. 0.00 min

Lab File: BN012201.D

Acq: 14 Oct 2020 19:07

Instrument :

BNA_N

ClientSampleId :

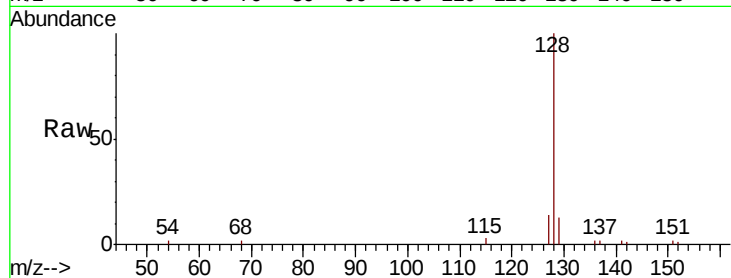
Tot Ion:128 Resp: 5558

Ion Ratio Lower Upper

128 100

129 12.9 10.3 15.5

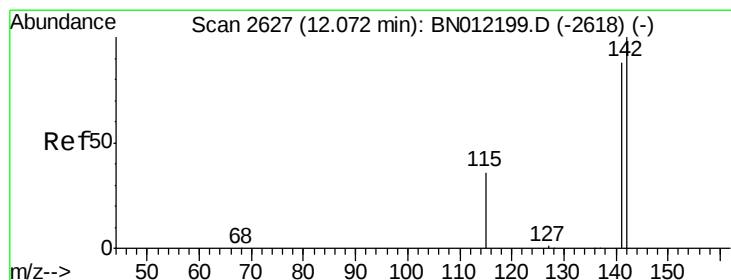
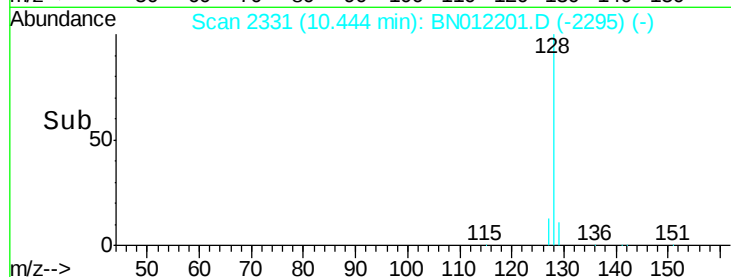
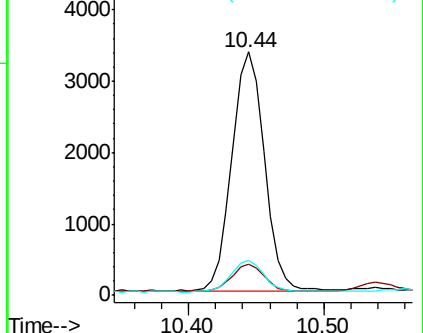
127 14.5 11.9 17.9



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: 0.135 ng/ul

RT: 12.07 min Scan# 2627

Delta R.T. 0.00 min

Lab File: BN012201.D

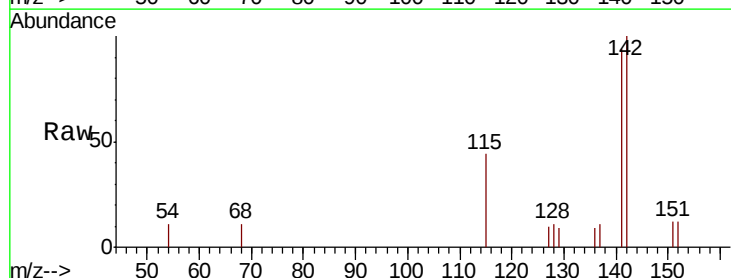
Acq: 14 Oct 2020 19:07

Tgt Ion:142 Resp: 1153

Ion Ratio Lower Upper

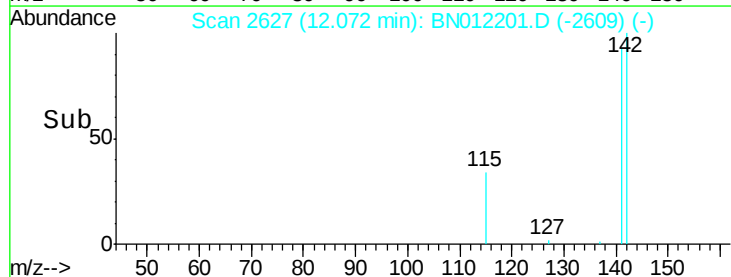
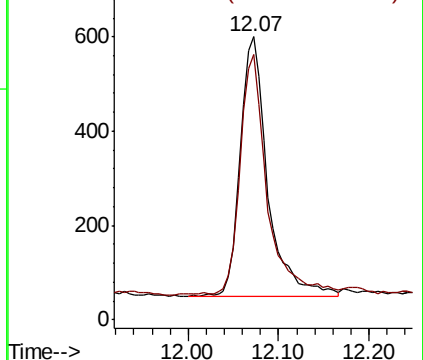
142 100

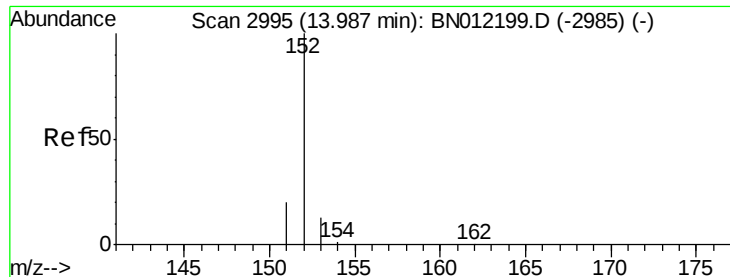
141 90.7 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.171 ng/ul

RT: 13.98 min Scan# 2994

Delta R.T. -0.00 min

Lab File: BN012201.D

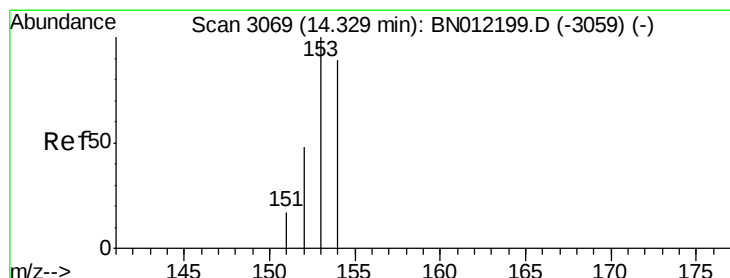
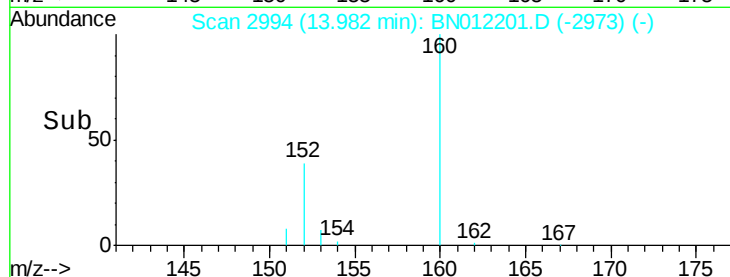
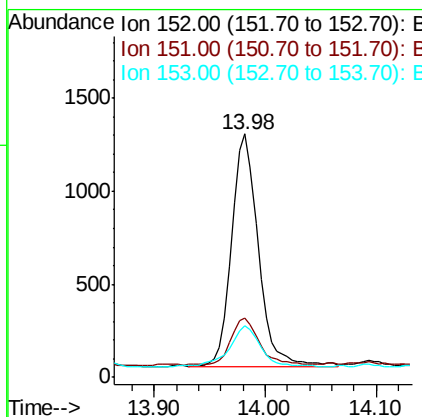
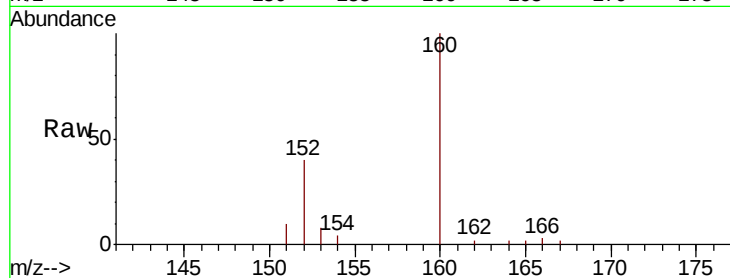
Acq: 14 Oct 2020 19:07

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	152	Resp:	2043
Ion	Ratio	Lower	Upper
152	100		
151	24.5	16.7	25.1
153	21.3	11.8	17.8#



#8

Acenaphthene

Concen: 2.526 ng/ul

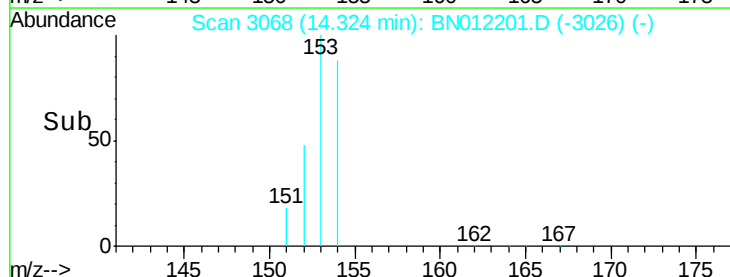
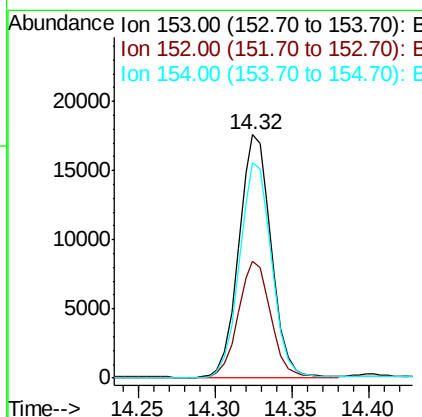
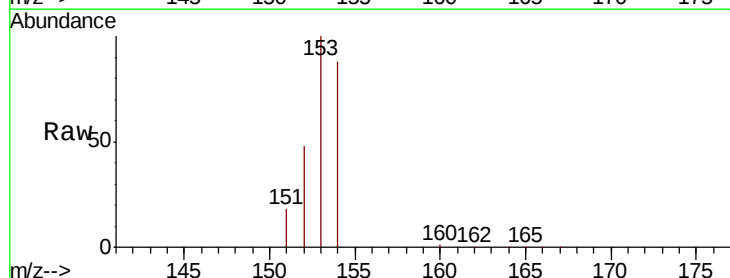
RT: 14.32 min Scan# 3068

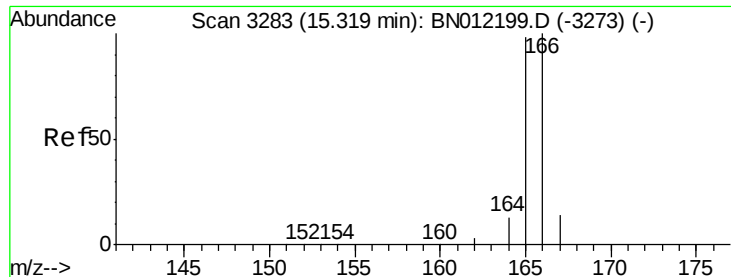
Delta R.T. -0.00 min

Lab File: BN012201.D

Acq: 14 Oct 2020 19:07

Tgt Ion:	153	Resp:	25556
Ion	Ratio	Lower	Upper
153	100		
152	48.0	38.2	57.2
154	88.4	71.1	106.7

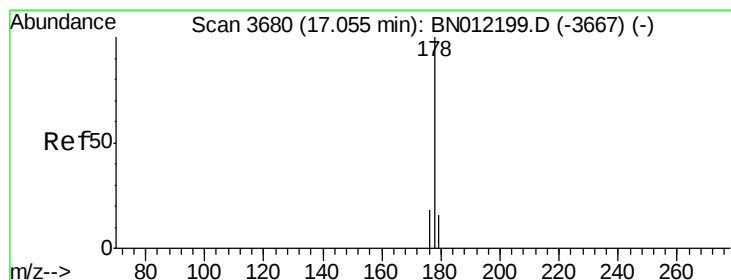
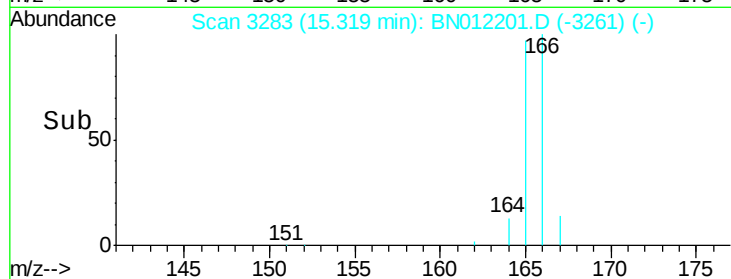
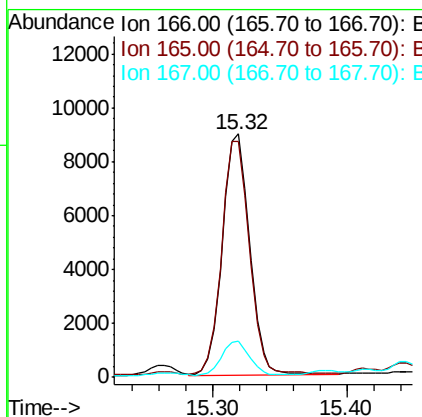
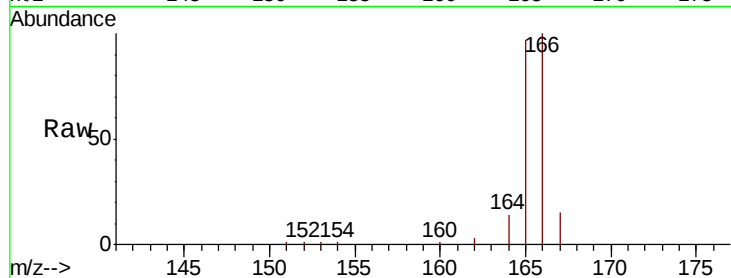




#9
Fluorene
 Concen: 1.115 ng/ul
 RT: 15.32 min Scan# 3283
 Delta R.T. 0.00 min
 Lab File: BN012201.D
 Acq: 14 Oct 2020 19:07

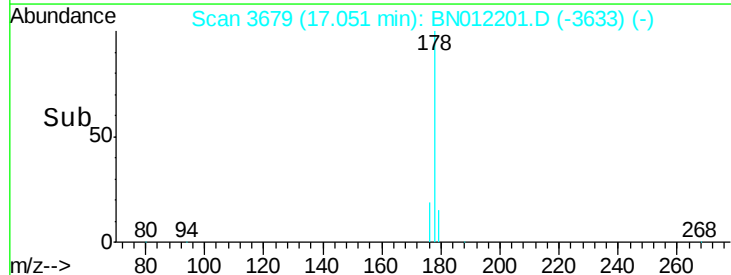
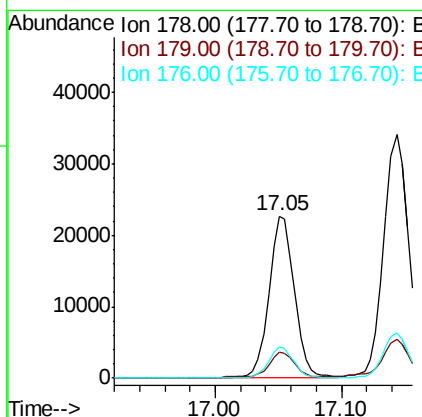
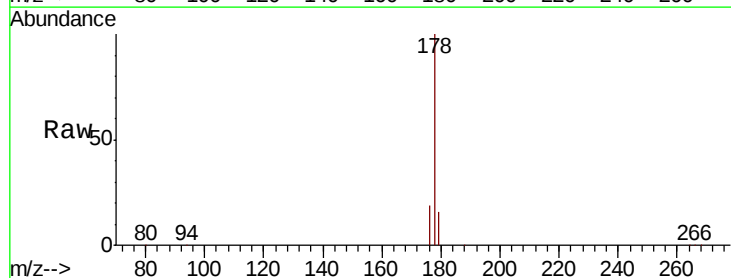
Instrument :
 BNA_N
 ClientSampleId :

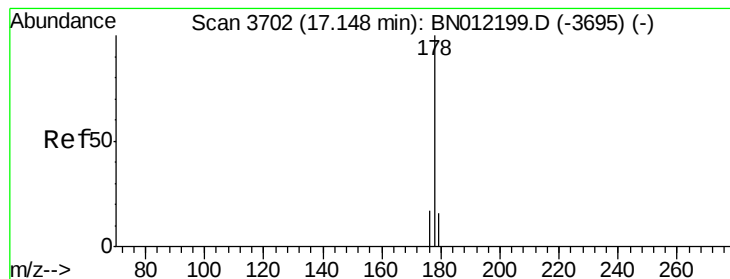
Tot Ion:166 Resp: 12553
 Ion Ratio Lower Upper
 166 100
 165 96.8 78.6 118.0
 167 14.7 11.9 17.9



#12
Phenanthrene
 Concen: 1.688 ng/ul
 RT: 17.05 min Scan# 3679
 Delta R.T. -0.00 min
 Lab File: BN012201.D
 Acq: 14 Oct 2020 19:07

Tgt Ion:178 Resp: 31303
 Ion Ratio Lower Upper
 178 100
 179 15.8 13.4 20.2
 176 19.0 15.7 23.5





#13

Anthracene

Concen: 3.001 ng/ul

RT: 17.14 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BN012201.D

Acq: 14 Oct 2020 19:07

Instrument :

BNA_N

ClientSampleId :

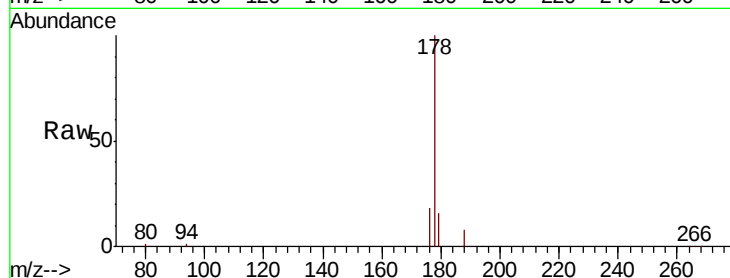
Tot Ion:178 Resp: 47739

Ion Ratio Lower Upper

178 100

179 15.8 13.9 20.9

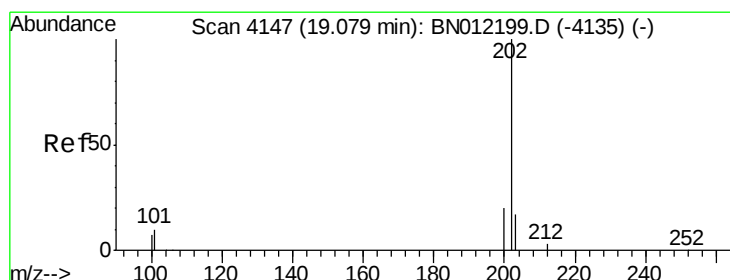
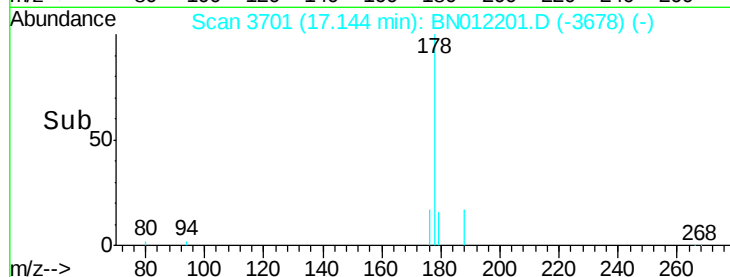
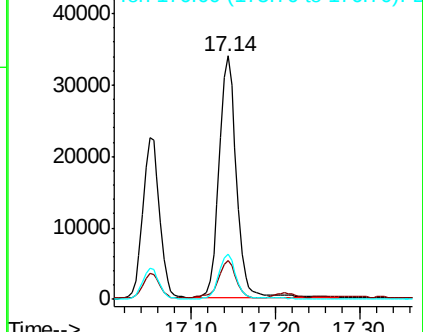
176 18.3 15.4 23.0



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: 5.454 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. -0.00 min

Lab File: BN012201.D

Acq: 14 Oct 2020 19:07

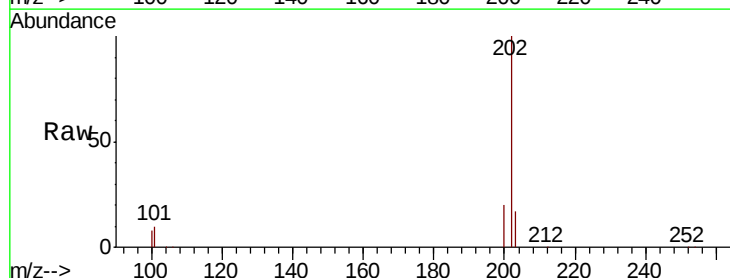
Tgt Ion:202 Resp: 118246

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.0

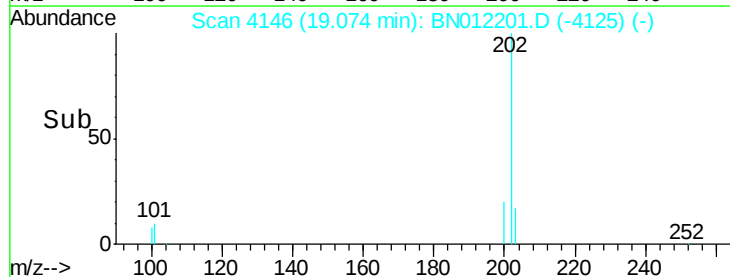
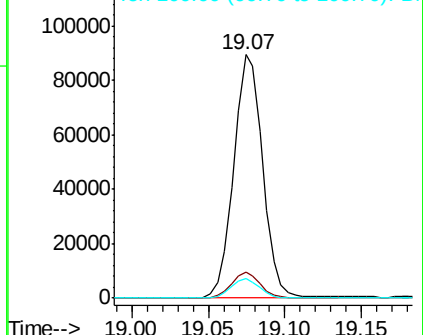
100 8.1 0.0 28.7

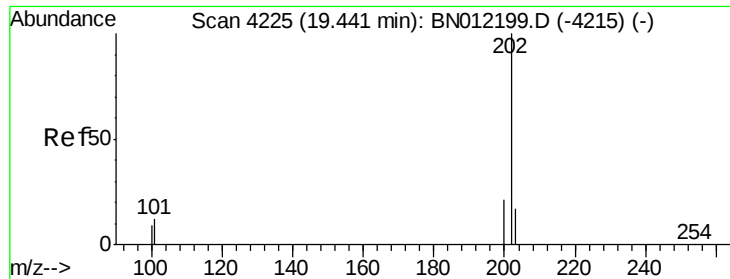


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

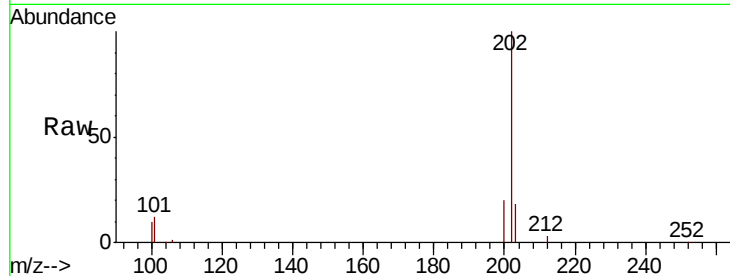




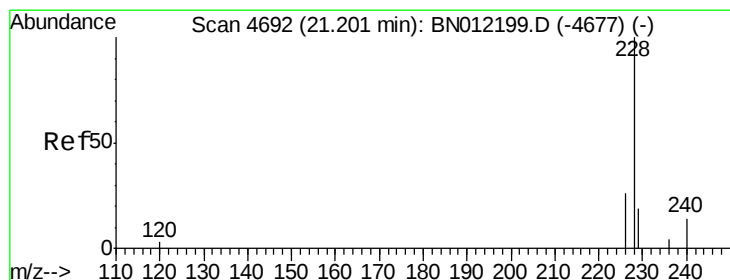
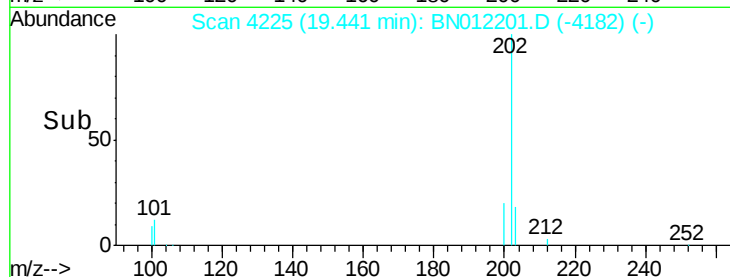
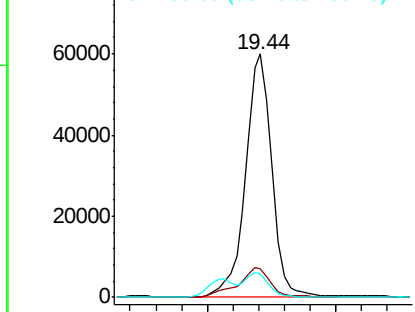
#17
Pvrene
Concen: 3.337 ng/ul
RT: 19.44 min Scan# 4225
Delta R.T. 0.00 min
Lab File: BN012201.D
Acq: 14 Oct 2020 19:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.9	14.9
100	9.6	8.0	12.0

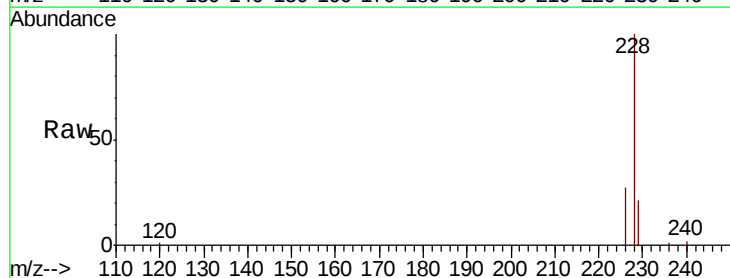


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

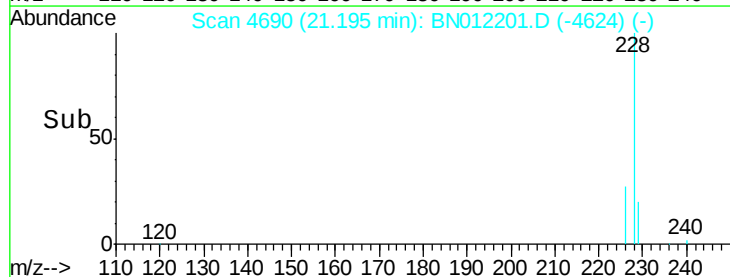
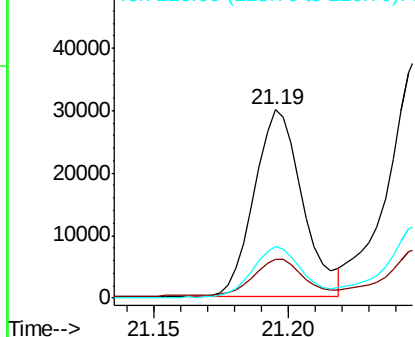


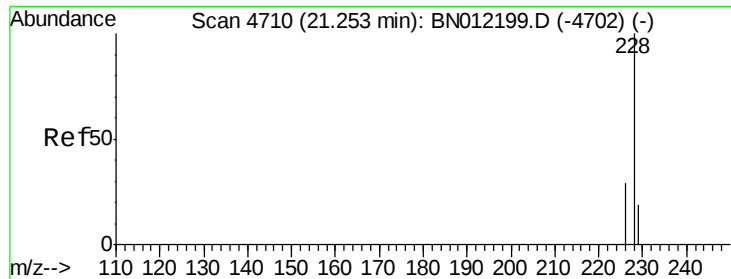
#18
Benzo(a)anthracene
Concen: 1.801 ng/ul
RT: 21.19 min Scan# 4690
Delta R.T. -0.01 min
Lab File: BN012201.D
Acq: 14 Oct 2020 19:07

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.8
226	27.2	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: 2.125 ng/ul

RT: 21.25 min Scan# 4708

Delta R.T. -0.01 min

Lab File: BN012201.D

Acq: 14 Oct 2020 19:07

Instrument :

BNA_N

ClientSampleId :

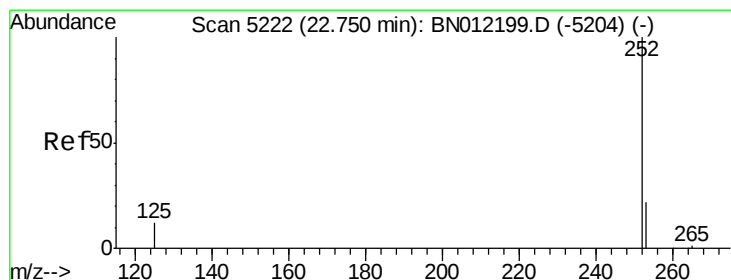
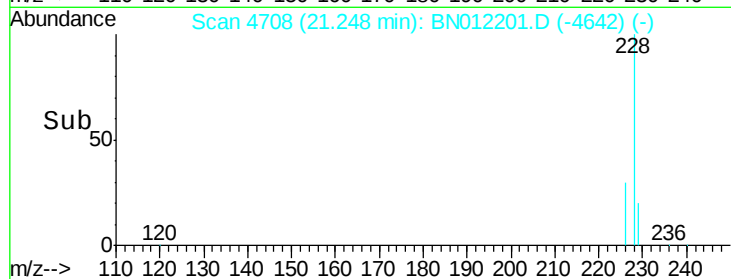
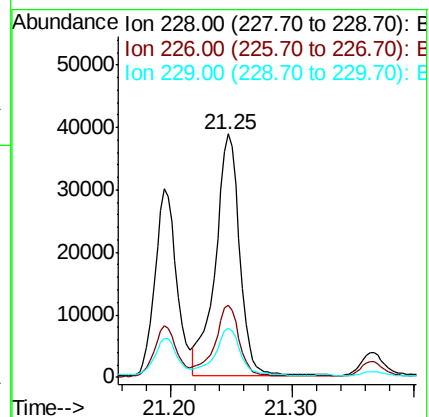
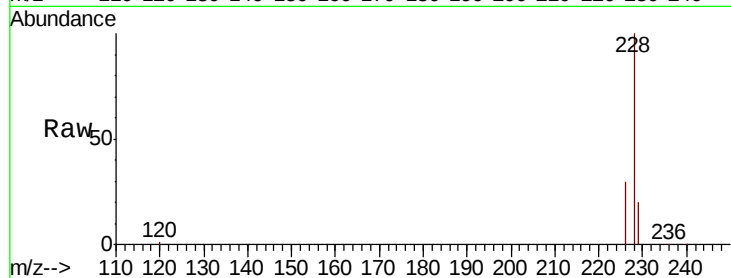
Tot Ion:228 Resp: 53869

Ion Ratio Lower Upper

228 100

226 29.8 24.6 37.0

229 20.2 17.0 25.6



#21

Benzo(b)fluoranthene

Concen: 2.511 ng/ul

RT: 22.75 min Scan# 5221

Delta R.T. -0.00 min

Lab File: BN012201.D

Acq: 14 Oct 2020 19:07

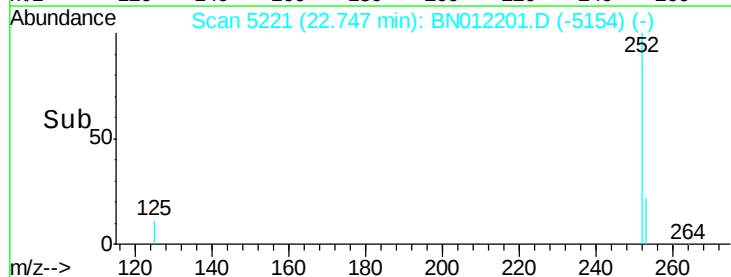
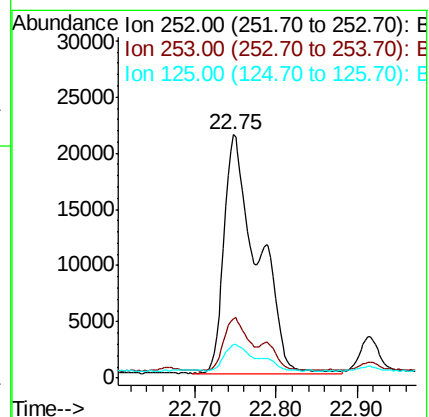
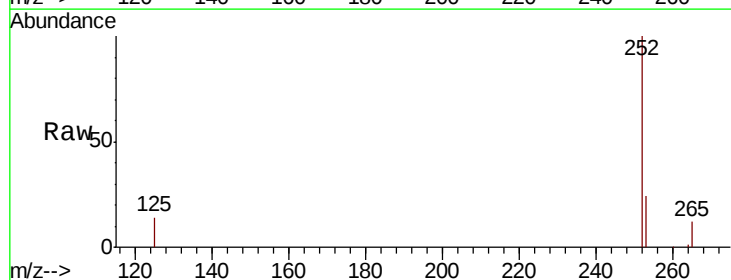
Tgt Ion:252 Resp: 61018

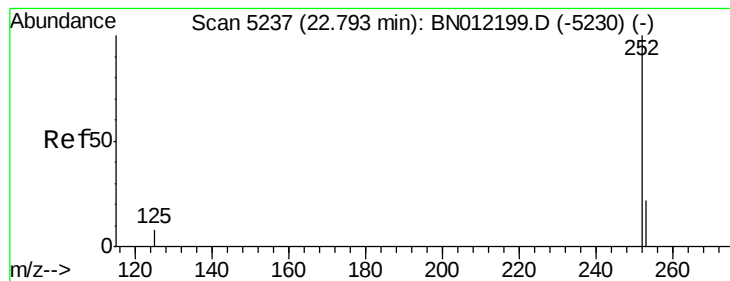
Ion Ratio Lower Upper

252 100

253 24.3 0.0 61.6

125 13.8 0.0 36.8





#22

Benzo(k)fluoranthene

Concen: 2.269 ng/ul

RT: 22.75 min Scan# 5221

Delta R.T. -0.05 min

Lab File: BN012201.D

Acq: 14 Oct 2020 19:07

Instrument :

BNA_N

ClientSampleId :

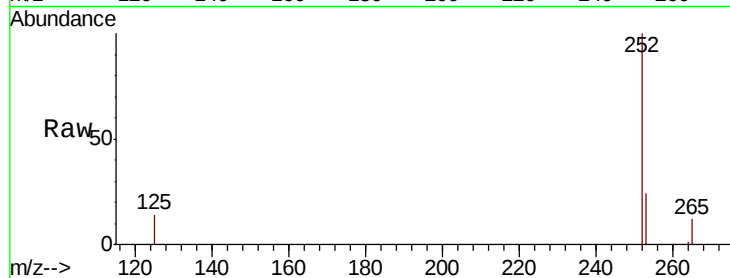
Tot Ion:252 Resp: 61018

Ion Ratio Lower Upper

252 100

253 24.3 24.4 36.6#

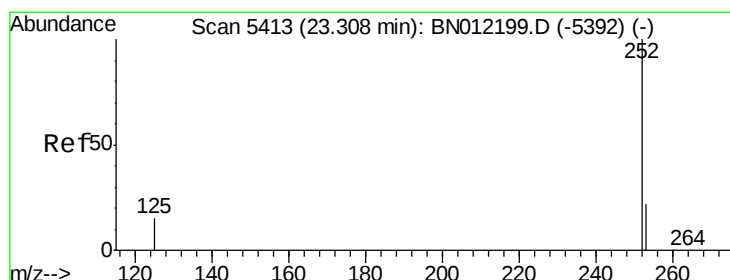
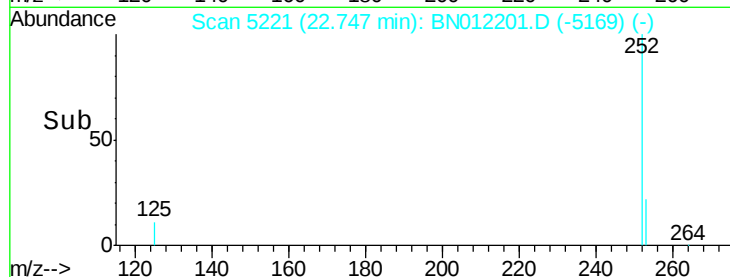
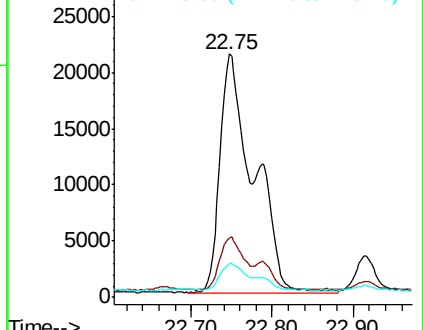
125 13.8 12.9 19.3



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



#23

Benzo(a)pyrene

Concen: 1.081 ng/ul

RT: 23.30 min Scan# 5411

Delta R.T. -0.01 min

Lab File: BN012201.D

Acq: 14 Oct 2020 19:07

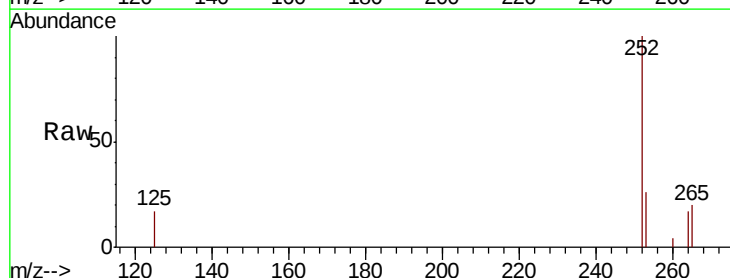
Tgt Ion:252 Resp: 25558

Ion Ratio Lower Upper

252 100

253 25.7 27.0 40.4#

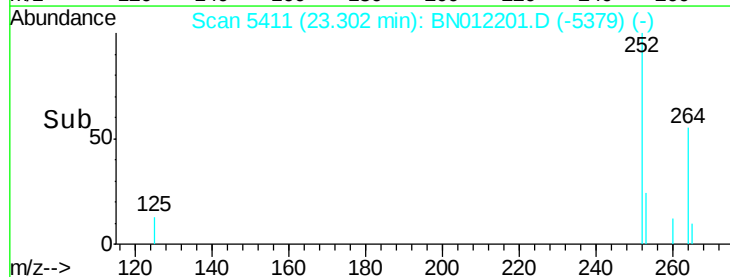
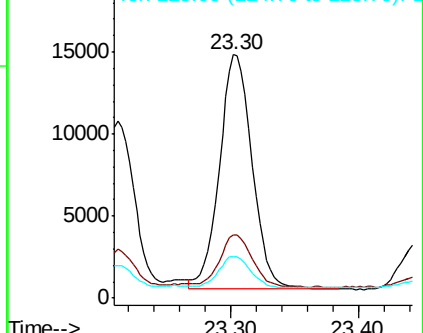
125 17.1 18.8 28.2#

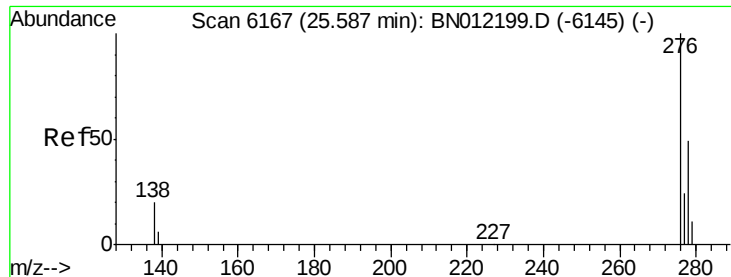


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



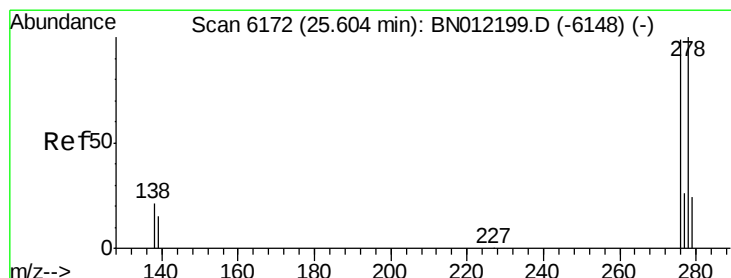
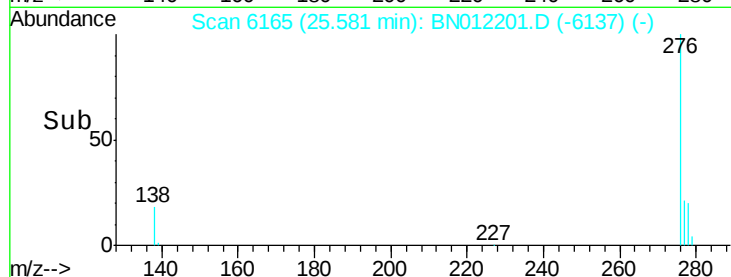
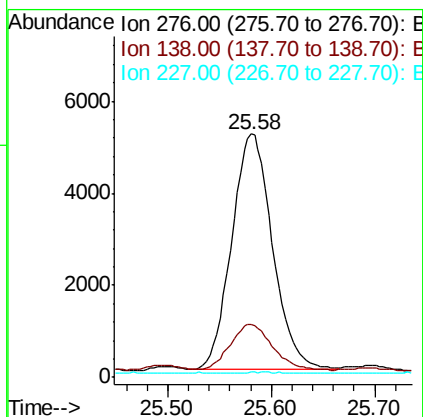
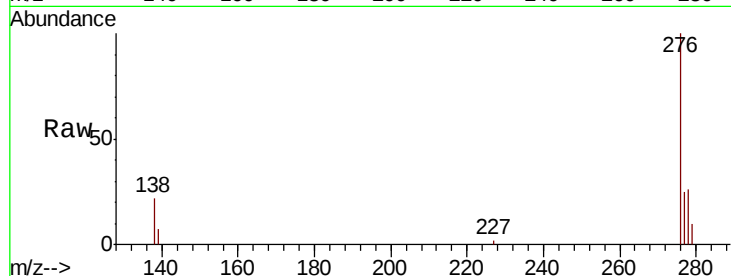


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.462 ng/ul
RT: 25.58 min Scan# 6165
Delta R.T. -0.01 min
Lab File: BN012201.D
Acq: 14 Oct 2020 19:07

Instrument :
BNA_N
ClientSampleId :

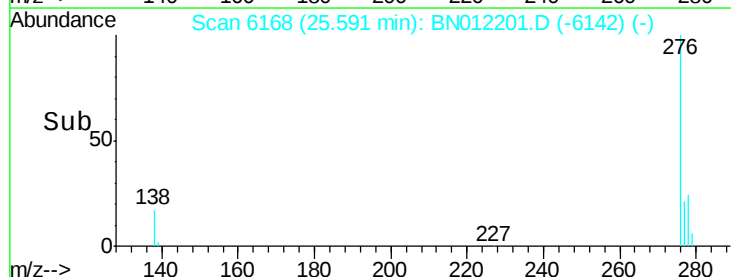
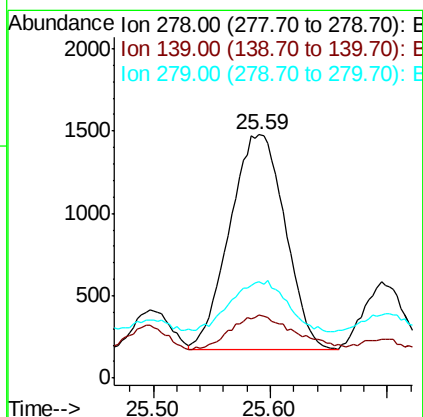
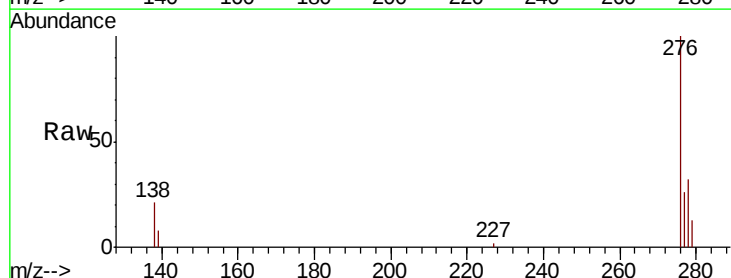
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	0.0	0.0#
227	0.1	0.0	0.0#

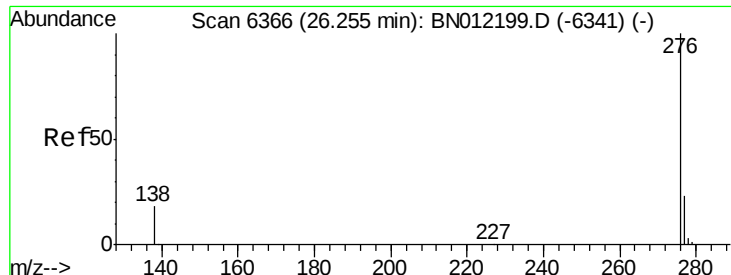


#25

Dibenzo(a,h)anthracene
Concen: 0.175 ng/ul
RT: 25.59 min Scan# 6168
Delta R.T. -0.01 min
Lab File: BN012201.D
Acq: 14 Oct 2020 19:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.2	15.7	23.5#
279	39.9	26.0	39.0#





#26

Benzo(a,h,i)perylene

Concen: 0.433 ng/ul

RT: 26.25 min Scan# 6364

Delta R.T. -0.01 min

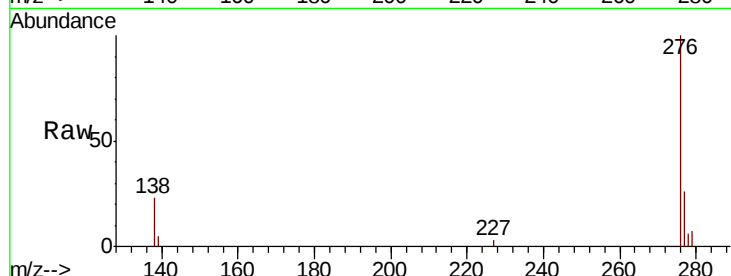
Lab File: BN012201.D

Acq: 14 Oct 2020 19:07

Instrument :

BNA_N

ClientSampleId :



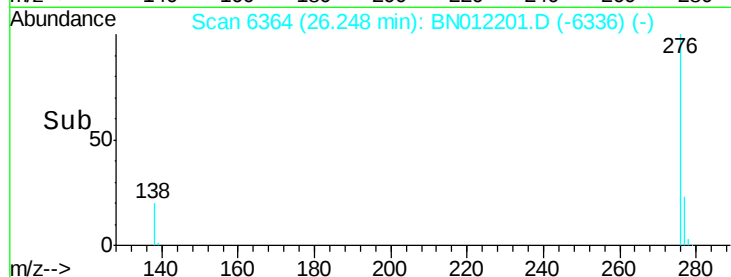
Tot Ion: 276 Resp: 12039

Ion Ratio Lower Upper

276 100

138 22.7 17.1 25.7

277 25.8 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

