

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012275.D
 Acq On : 16 Oct 2020 20:03
 Operator : CG/JU
 Sample : L4201-03DL 5X
 Misc :
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 16 23:49:57 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 : Fri Oct 16 23:42:05 2020
 Response via : Initial Calibration

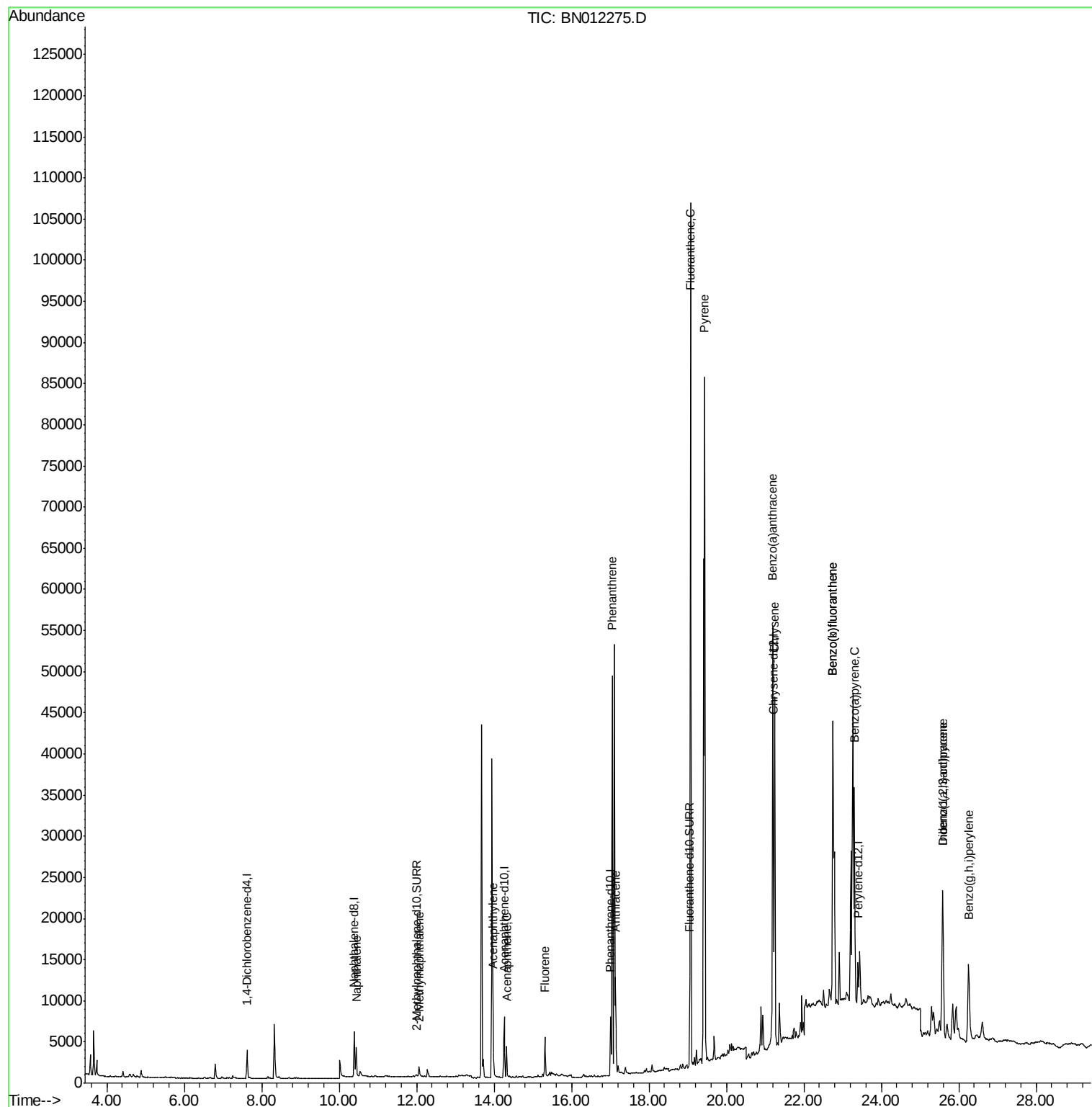
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1748	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	7387	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	4106	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	8194	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	6199	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	6420	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	327	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	625	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	4863	0.228	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	961	0.071	ng/ul	100
7) Acenaphthylene	13.98	152	3272	0.184	ng/ul	96
8) Acenaphthene	14.32	153	2251	0.150	ng/ul	99
9) Fluorene	15.31	166	3128	0.187	ng/ul	99
12) Phenanthrene	17.05	178	49661	1.901	ng/ul	98
13) Anthracene	17.14	178	11647	0.520	ng/ul	100
15) Fluoranthene	19.07	202	88286	2.891	ng/ul	99
17) Pyrene	19.44	202	70080	2.507	ng/ul	98
18) Benzo(a)anthracene	21.19	228	41051	1.788	ng/ul	96
19) Chrysene	21.25	228	38833	1.388	ng/ul	96
21) Benzo(b)fluoranthene	22.75	252	73233	2.824	ng/ul	95
22) Benzo(k)fluoranthene	22.75	252	73363	2.556	ng/ul#	93
23) Benzo(a)pyrene	23.31	252	34326	1.361	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.59	276	26823	0.828	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.59	278	7637	0.295	ng/ul#	59
26) Benzo(a,h,i)perylene	26.26	276	19326	0.651	ng/ul#	88

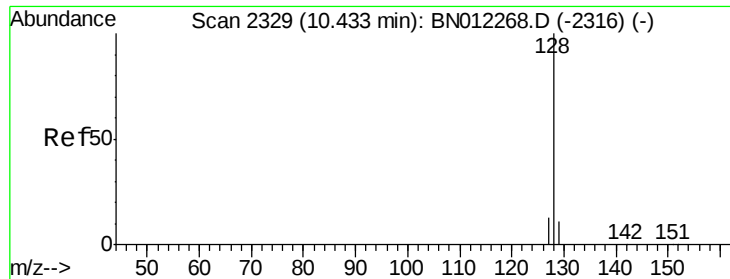
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.228 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. 0.01 min

Lab File: BN012275.D

Acq: 16 Oct 2020 20:03

Instrument :

BNA_N

ClientSampleId :

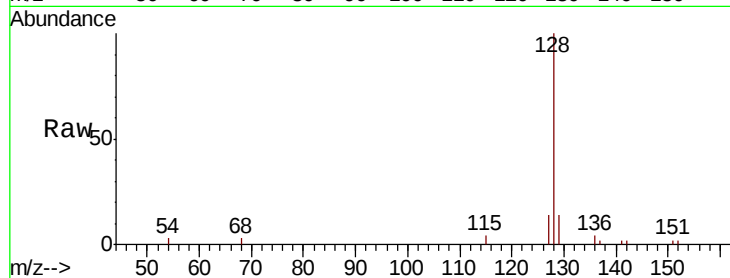
Tot Ion:128 Resp: 4863

Ion Ratio Lower Upper

128 100

129 13.6 10.3 15.5

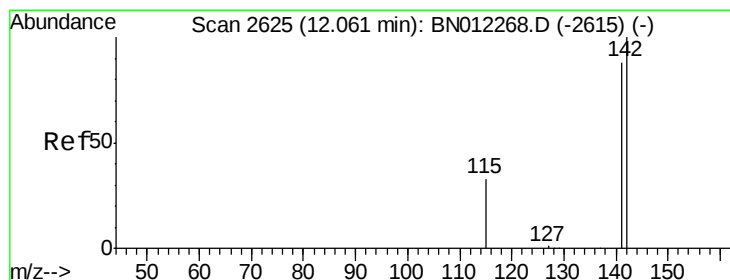
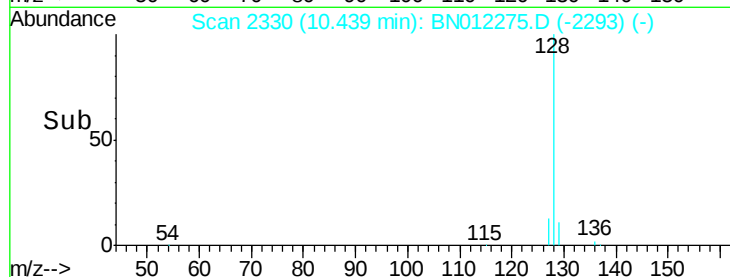
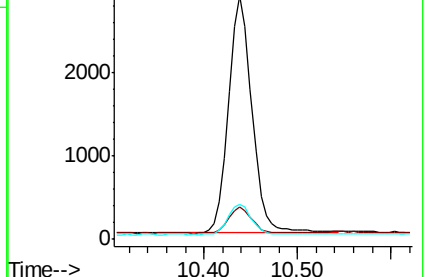
127 14.1 11.9 17.9



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: 0.071 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.00 min

Lab File: BN012275.D

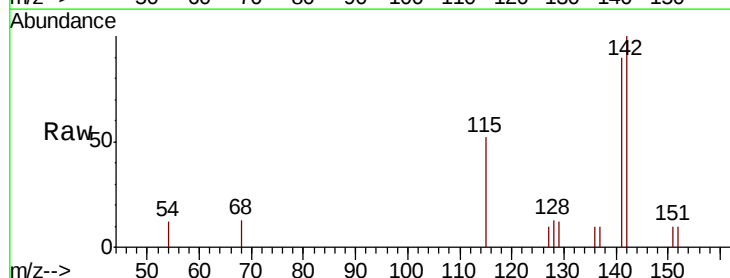
Acq: 16 Oct 2020 20:03

Tgt Ion:142 Resp: 961

Ion Ratio Lower Upper

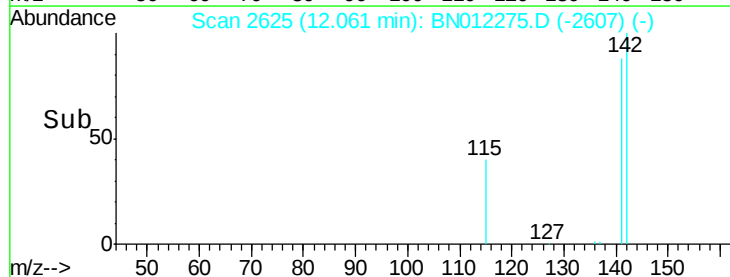
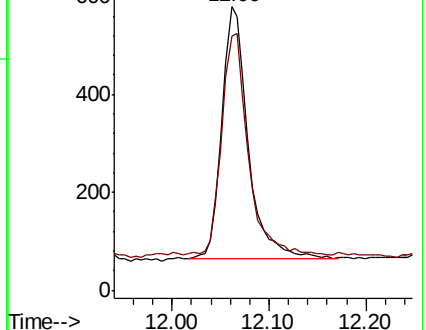
142 100

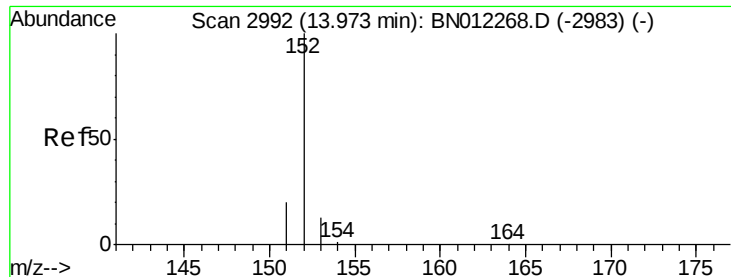
141 90.0 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.184 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012275.D

Acq: 16 Oct 2020 20:03

Instrument :

BNA_N

ClientSampleId :

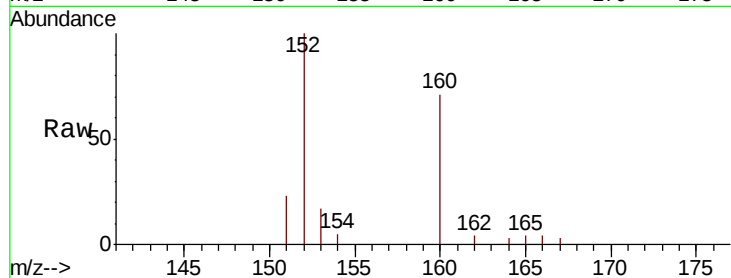
Tot Ion:152 Resp: 3272

Ion Ratio Lower Upper

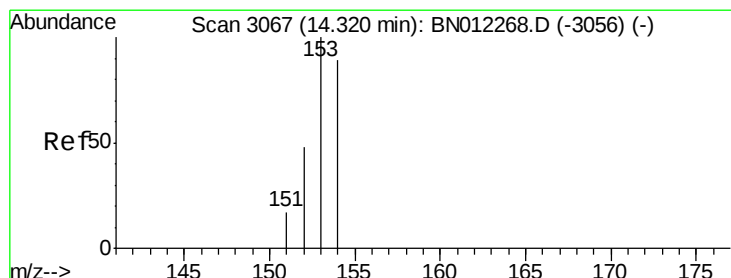
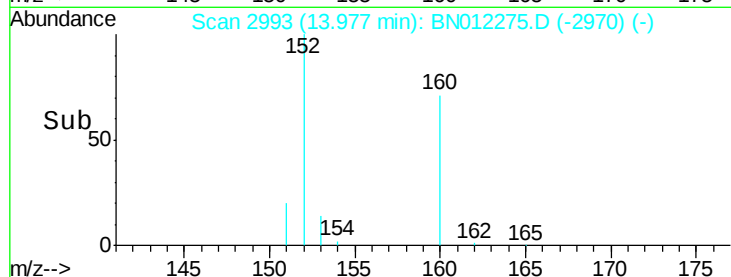
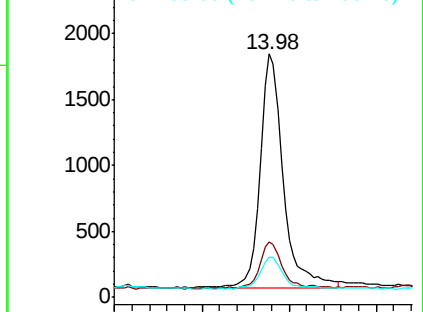
152 100

151 23.0 16.7 25.1

153 16.6 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: 0.150 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. 0.00 min

Lab File: BN012275.D

Acq: 16 Oct 2020 20:03

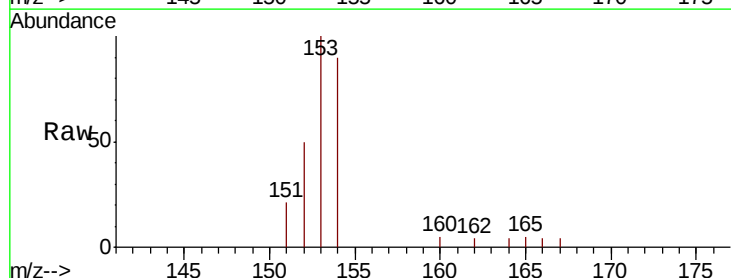
Tgt Ion:153 Resp: 2251

Ion Ratio Lower Upper

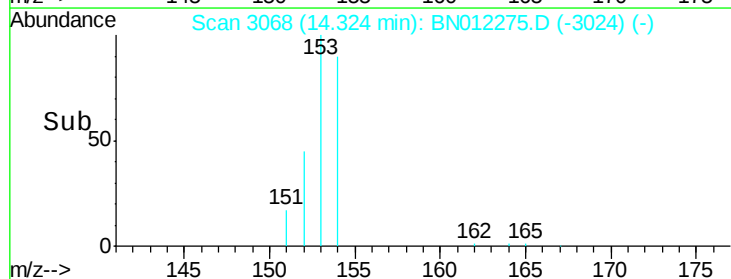
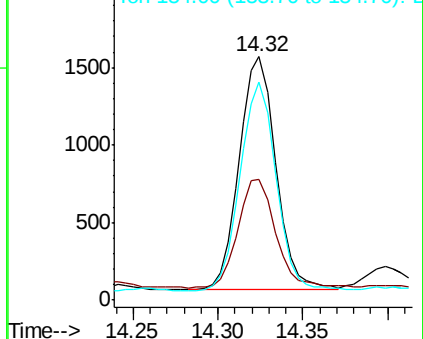
153 100

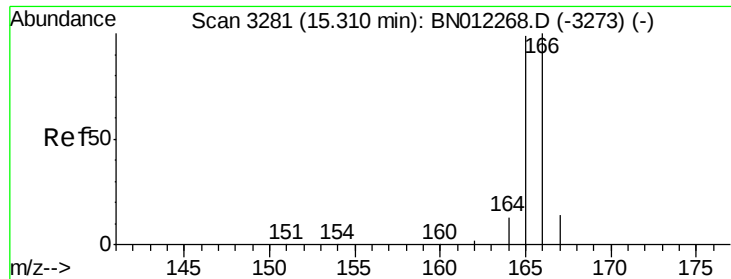
152 49.6 38.2 57.2

154 89.6 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

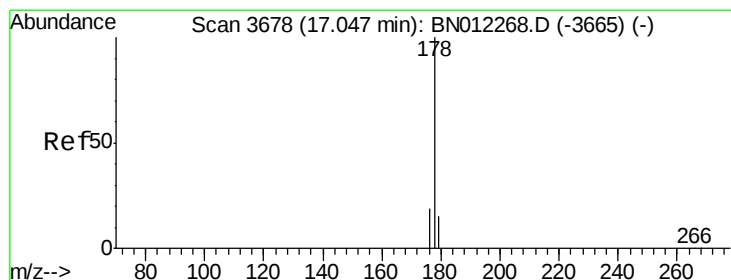
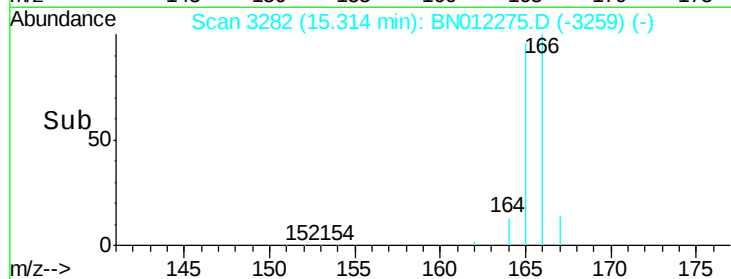
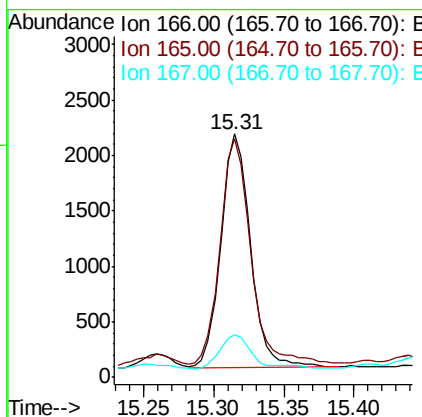
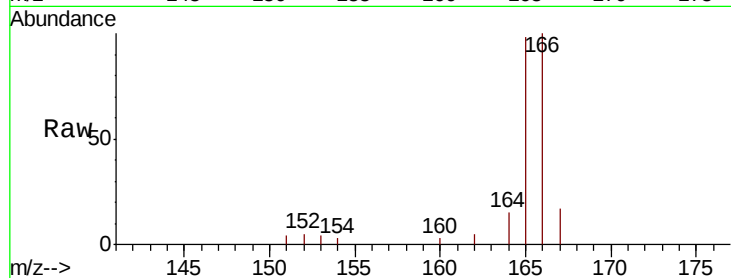




#9
Fluorene
 Concen: 0.187 ng/ul
 RT: 15.31 min Scan# 3282
 Delta R.T. 0.00 min
 Lab File: BN012275.D
 Acq: 16 Oct 2020 20:03

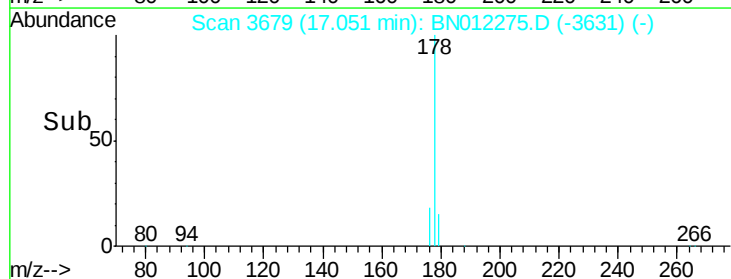
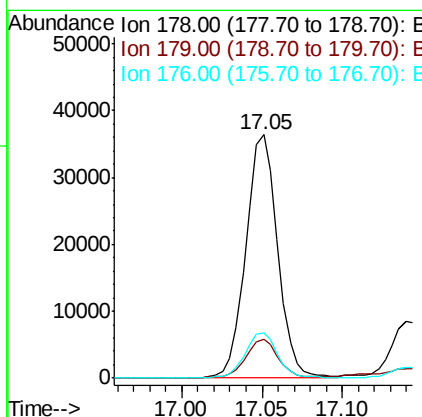
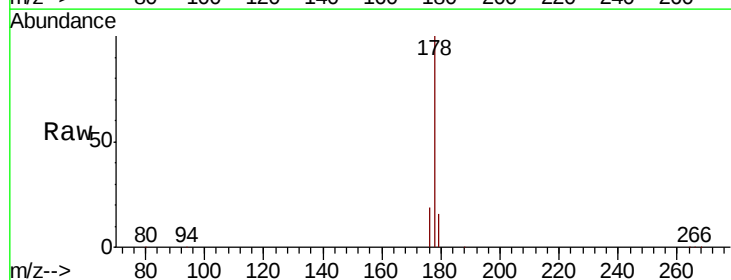
Instrument :
 BNA_N
 ClientSampleId :

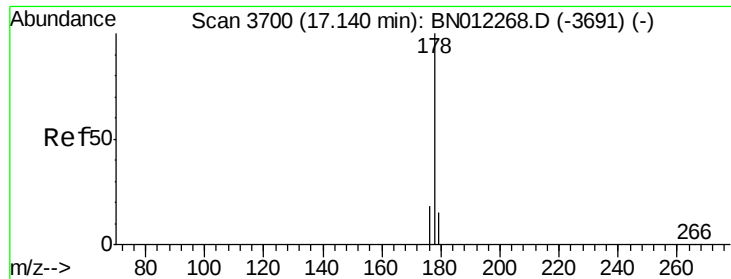
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.6	118.0
167	17.5	11.9	17.9



#12
Phenanthrene
 Concen: 1.901 ng/ul
 RT: 17.05 min Scan# 3679
 Delta R.T. 0.00 min
 Lab File: BN012275.D
 Acq: 16 Oct 2020 20:03

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	13.4	20.2
176	18.7	15.7	23.5





#13

Anthracene

Concen: 0.520 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN012275.D

Acq: 16 Oct 2020 20:03

Instrument :

BNA_N

ClientSampleId :

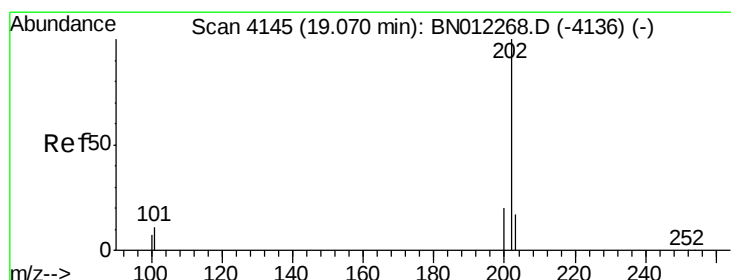
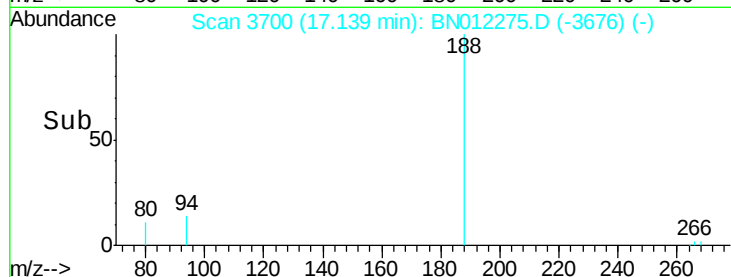
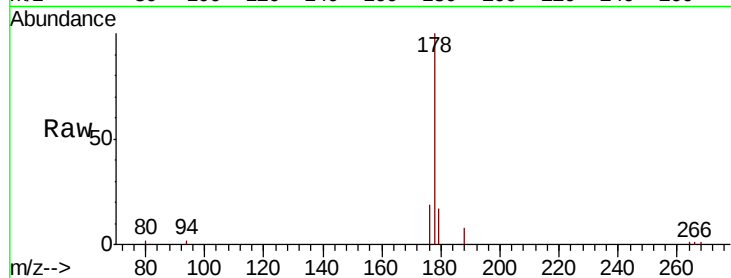
Tot Ion:178 Resp: 11647

Ion Ratio Lower Upper

178 100

179 17.1 13.9 20.9

176 19.1 15.4 23.0



#15

Fluoranthene

Concen: 2.891 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN012275.D

Acq: 16 Oct 2020 20:03

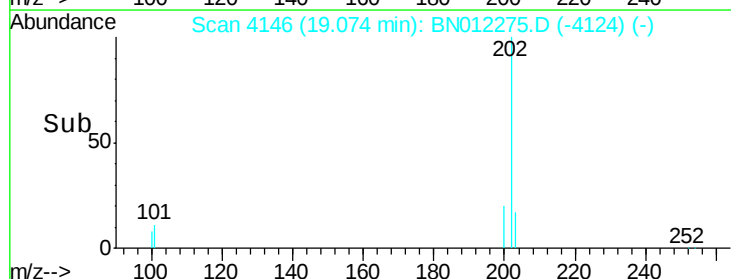
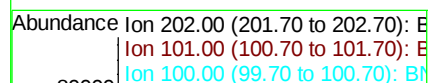
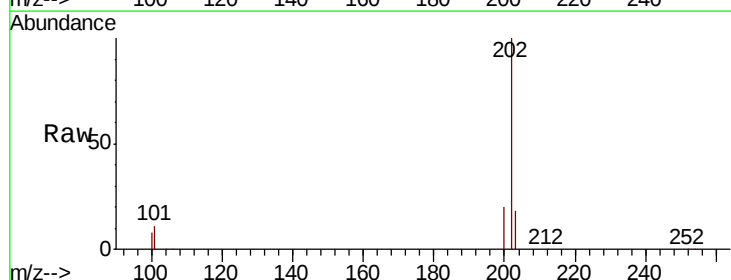
Tgt Ion:202 Resp: 88286

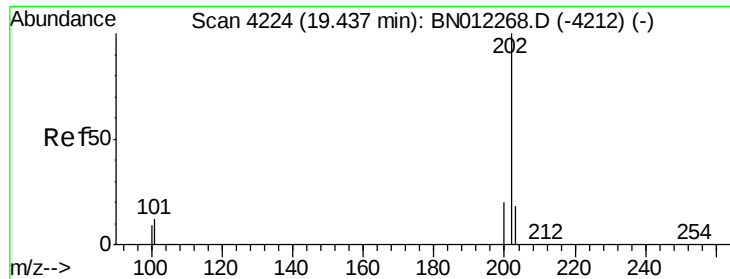
Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.0

100 8.3 0.0 28.7

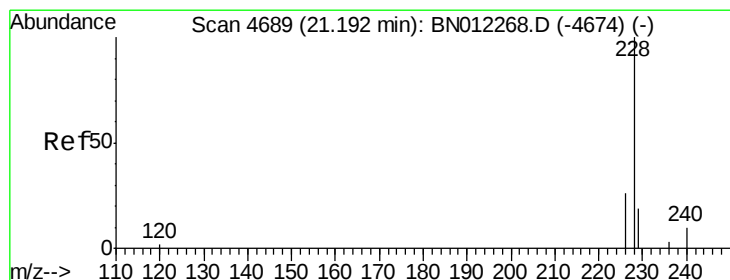
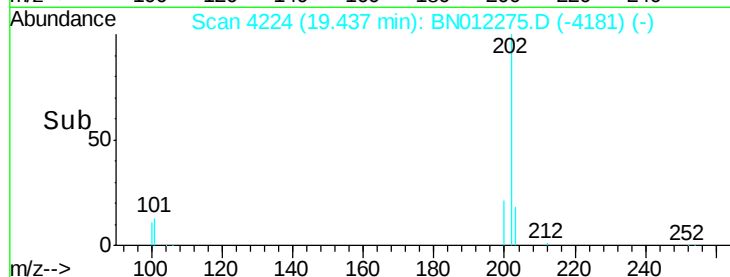
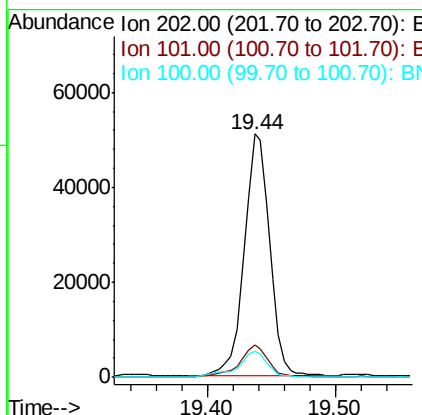
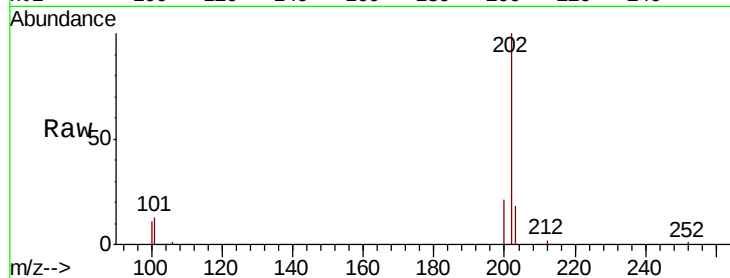




#17
Pvrene
Concen: 2.507 ng/ul
RT: 19.44 min Scan# 4224
Delta R.T. -0.00 min
Lab File: BN012275.D
Acq: 16 Oct 2020 20:03

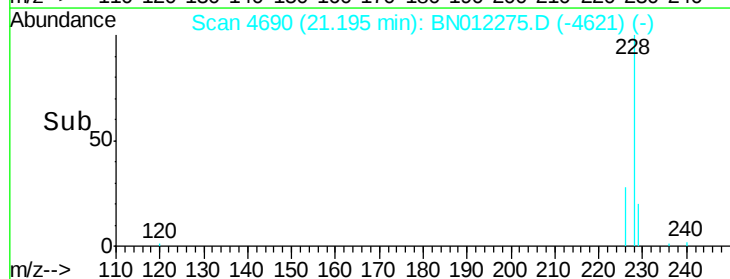
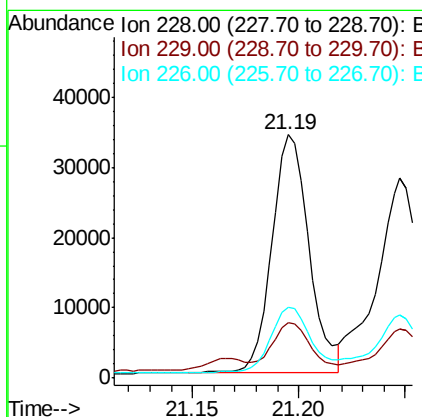
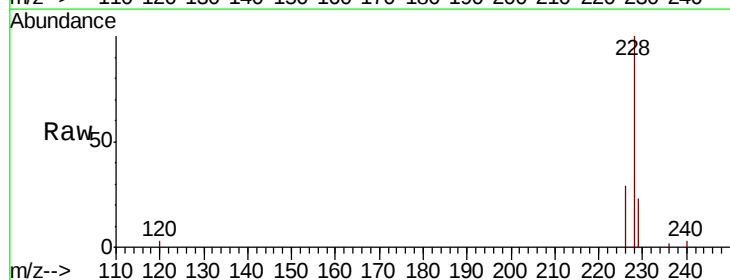
Instrument :
BNA_N
ClientSampleId :

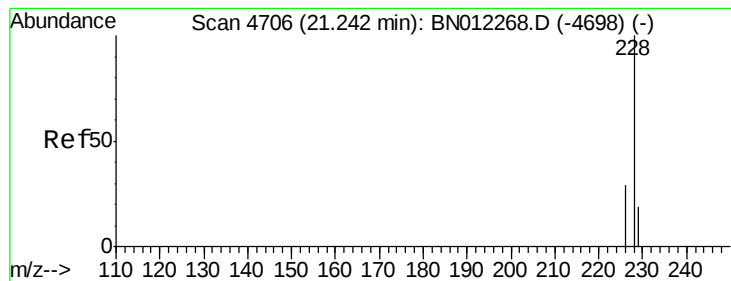
Tot Ion:202 Resp: 70080
Ion Ratio Lower Upper
202 100
101 13.3 9.9 14.9
100 10.9 8.0 12.0



#18
Benzo(a)anthracene
Concen: 1.788 ng/ul
RT: 21.19 min Scan# 4690
Delta R.T. 0.00 min
Lab File: BN012275.D
Acq: 16 Oct 2020 20:03

Tgt Ion:228 Resp: 41051
Ion Ratio Lower Upper
228 100
229 22.5 15.8 23.8
226 29.3 22.6 33.8





#19

Chrysene

Concen: 1.388 ng/ul

RT: 21.25 min Scan# 4708

Delta R.T. 0.01 min

Lab File: BN012275.D

Acq: 16 Oct 2020 20:03

Instrument :

BNA_N

ClientSampleId :

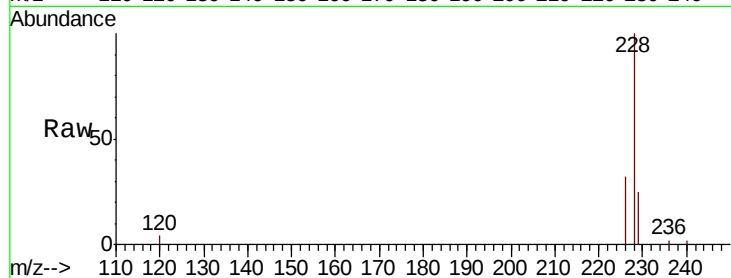
Tot Ion:228 Resp: 38833

Ion Ratio Lower Upper

228 100

226 31.8 24.6 37.0

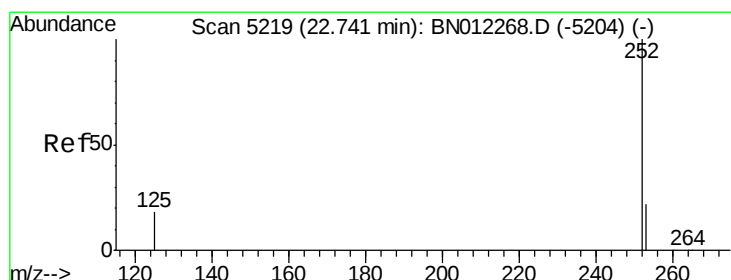
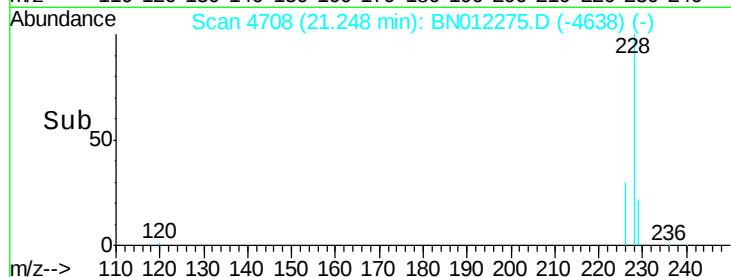
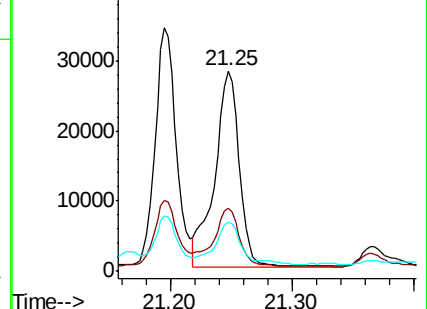
229 24.6 17.0 25.6



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: 2.824 ng/ul

RT: 22.75 min Scan# 5222

Delta R.T. 0.01 min

Lab File: BN012275.D

Acq: 16 Oct 2020 20:03

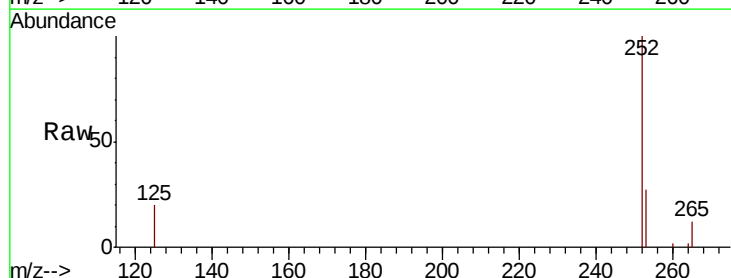
Tgt Ion:252 Resp: 73233

Ion Ratio Lower Upper

252 100

253 27.5 0.0 61.6

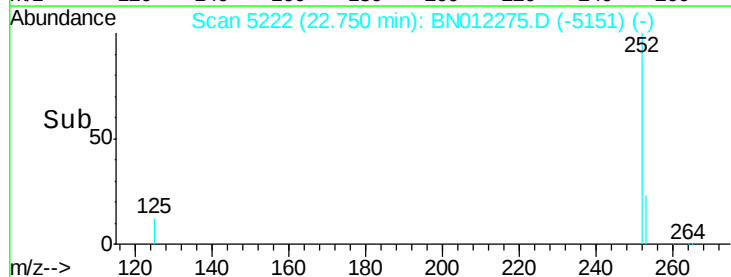
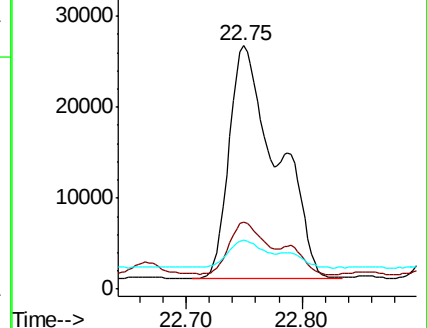
125 20.0 0.0 36.8

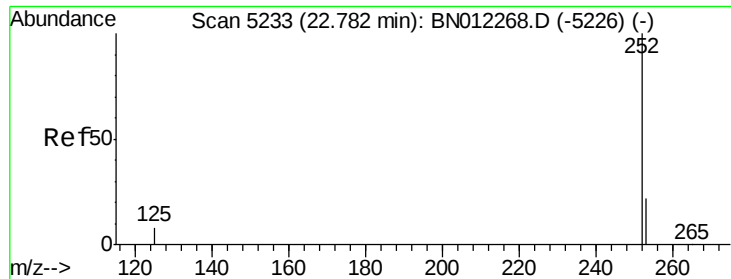


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.556 ng/ul

RT: 22.75 min Scan# 5222

Delta R.T. -0.03 min

Lab File: BN012275.D

Acq: 16 Oct 2020 20:03

Instrument :

BNA_N

ClientSampleId :

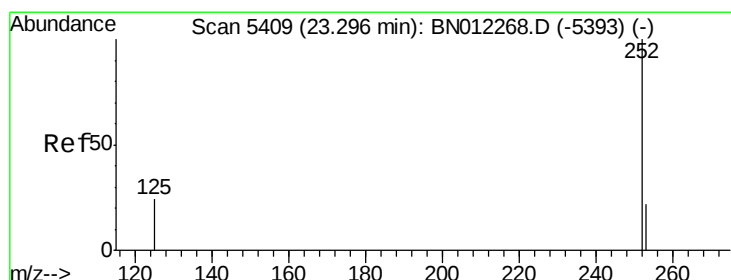
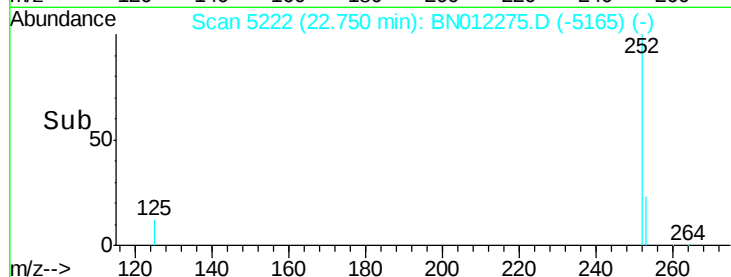
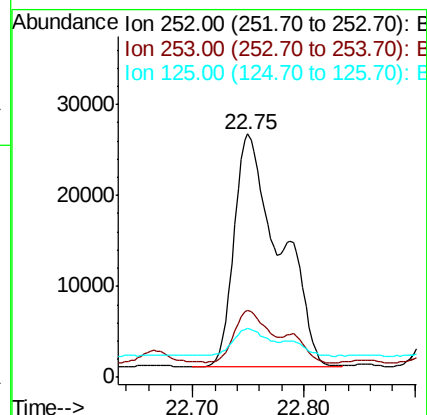
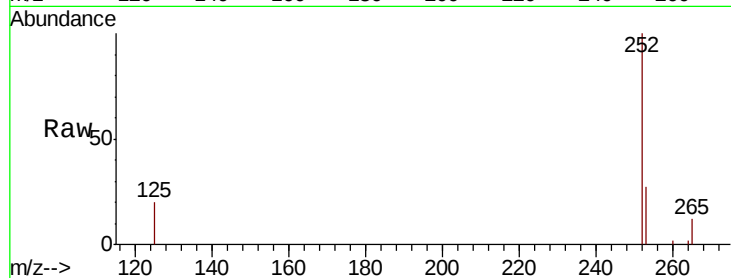
Tot Ion:252 Resp: 73363

Ion Ratio Lower Upper

252 100

253 27.5 24.4 36.6

125 20.0 12.9 19.3#



#23

Benzo(a)pyrene

Concen: 1.361 ng/ul

RT: 23.31 min Scan# 5412

Delta R.T. 0.01 min

Lab File: BN012275.D

Acq: 16 Oct 2020 20:03

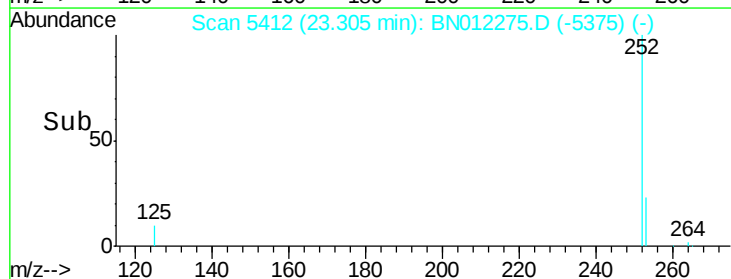
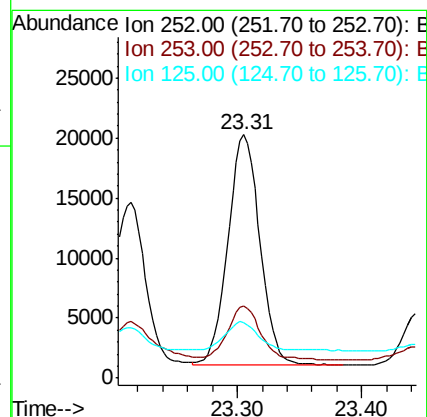
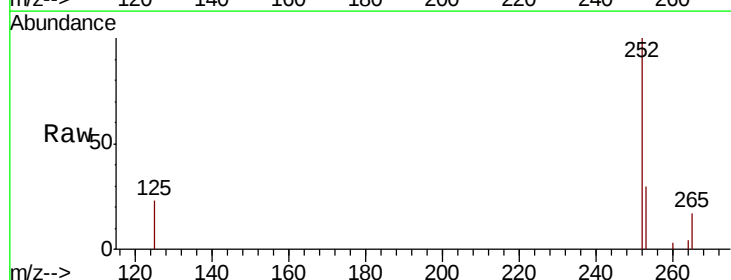
Tgt Ion:252 Resp: 34326

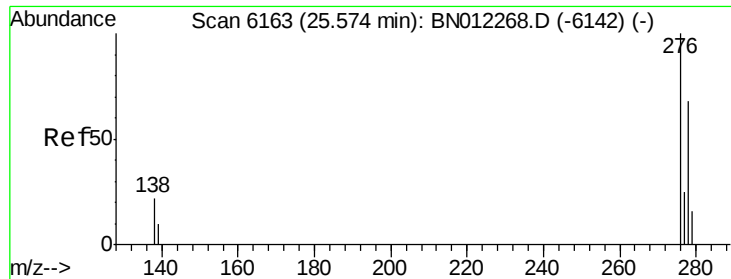
Ion Ratio Lower Upper

252 100

253 29.7 27.0 40.4

125 22.7 18.8 28.2



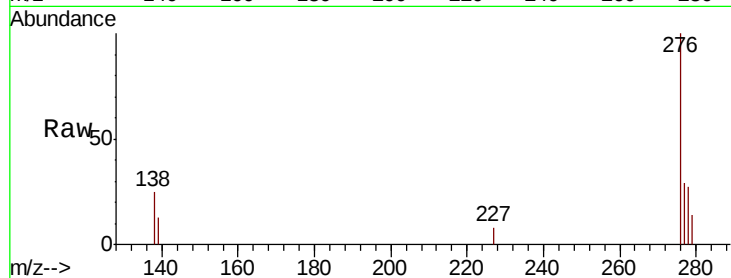


#24

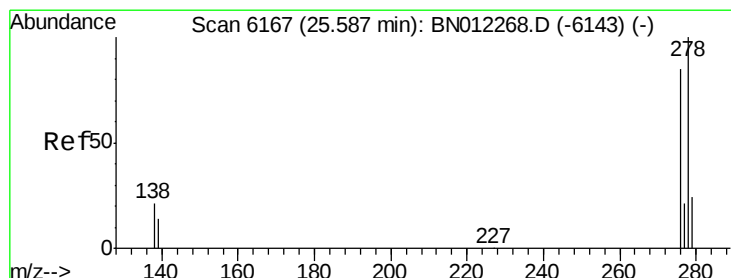
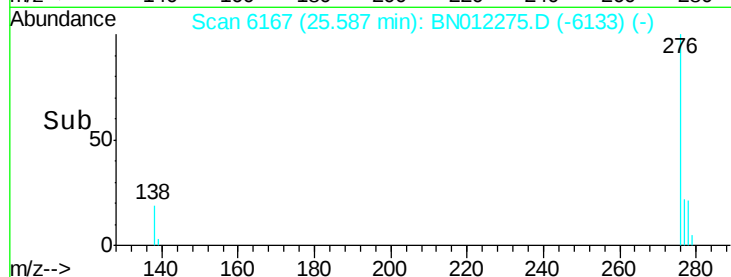
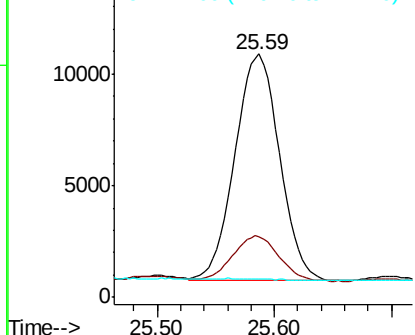
Indeno(1,2,3-cd)pyrene
Concen: 0.828 ng/ul
RT: 25.59 min Scan# 6167
Delta R.T. 0.01 min
Lab File: BN012275.D
Acq: 16 Oct 2020 20:03

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 26823
Ion Ratio Lower Upper
276 100
138 21.5 0.0 0.0#
227 0.0 0.0 0.0



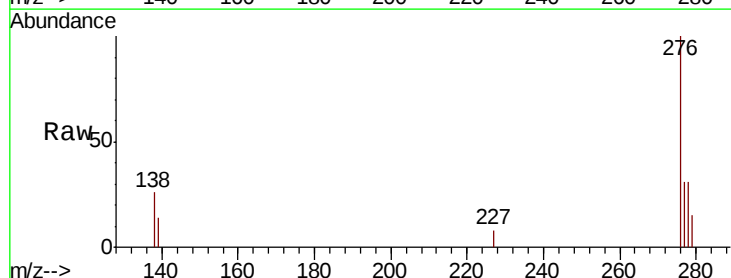
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



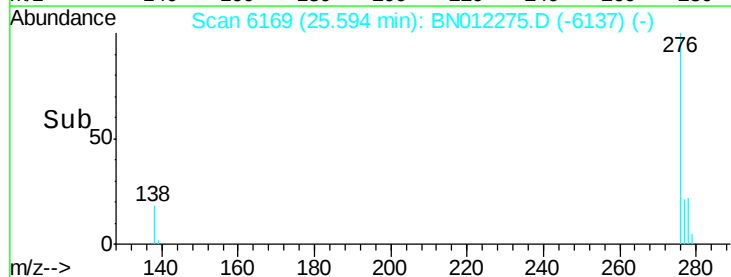
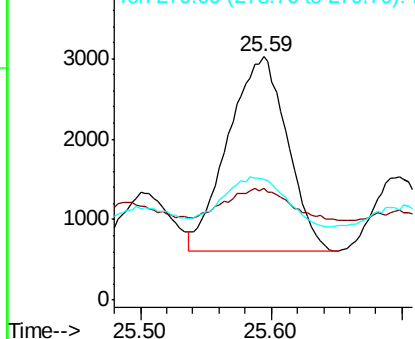
#25

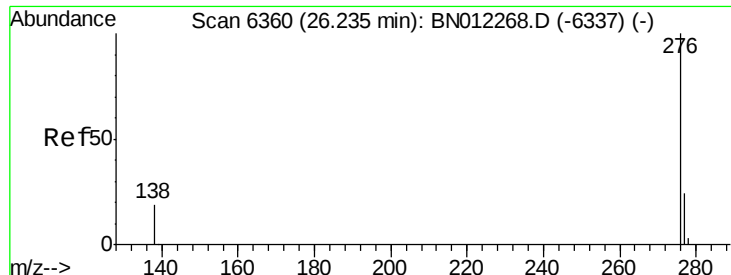
Dibenzo(a,h)anthracene
Concen: 0.295 ng/ul
RT: 25.59 min Scan# 6169
Delta R.T. 0.01 min
Lab File: BN012275.D
Acq: 16 Oct 2020 20:03

Tgt Ion:278 Resp: 7637
Ion Ratio Lower Upper
278 100
139 45.7 15.7 23.5#
279 49.8 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(a,h,i)perylene

Concen: 0.651 ng/ul

RT: 26.26 min Scan# 6367

Delta R.T. 0.02 min

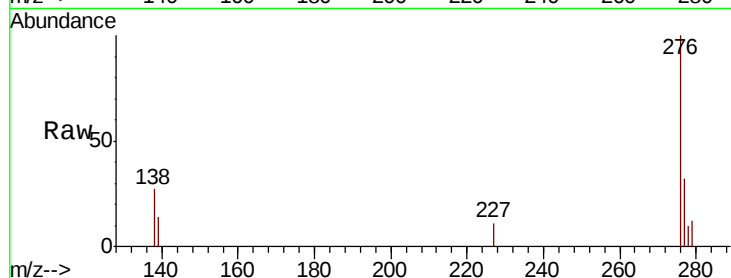
Lab File: BN012275.D

Acq: 16 Oct 2020 20:03

Instrument :

BNA_N

ClientSampleId :



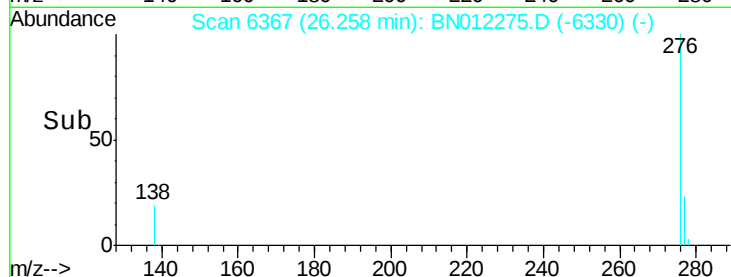
Tot Ion: 276 Resp: 19326

Ion Ratio Lower Upper

276 100

138 27.5 17.1 25.7#

277 32.0 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

