

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101920\
 Data File : BN012370.D
 Acq On : 20 Oct 2020 03:00
 Operator : CG/JU
 Sample : L4308-03DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 20 08:25:40 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 : Tue Oct 20 08:18:15 2020
 Response via : Initial Calibration

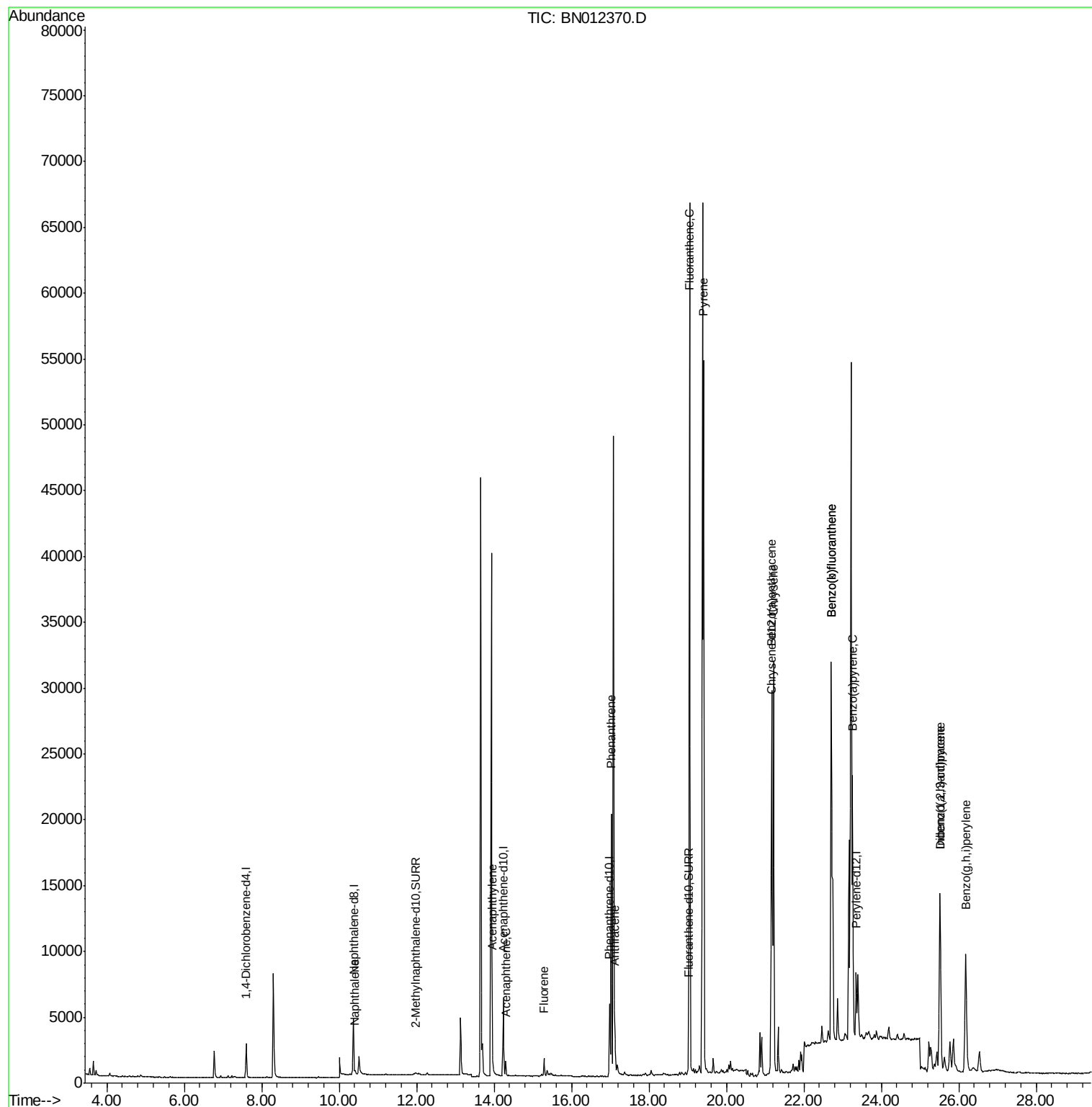
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1398	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	6027	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	3345	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	6639	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	5938	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	5950	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	363	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	701	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.41	128	356	0.020	ng/ul#	60
7) Acenaphthylene	13.95	152	525	0.036	ng/ul#	73
8) Acenaphthene	14.30	153	658	0.054	ng/ul	97
9) Fluorene	15.29	166	899	0.066	ng/ul#	95
12) Phenanthrene	17.03	178	20774	0.982	ng/ul	98
13) Anthracene	17.12	178	3418	0.188	ng/ul	96
15) Fluoranthene	19.05	202	57008	2.304	ng/ul	98
17) Pyrene	19.41	202	46334	1.731	ng/ul	98
18) Benzo(a)anthracene	21.17	228	23882	1.086	ng/ul	98
19) Chrysene	21.22	228	31043	1.158	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	59719	2.485	ng/ul	89
22) Benzo(k)fluoranthene	22.71	252	59719	2.245	ng/ul	94
23) Benzo(a)pyrene	23.26	252	25266	1.081	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.52	276	20486	0.682	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.52	278	5091	0.212	ng/ul#	89
26) Benzo(a,h,i)perylene	26.18	276	18032	0.655	ng/ul	98

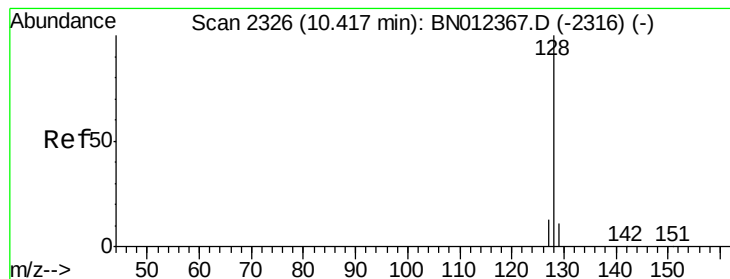
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 20 08:18:15 2020
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#3

Naphthalene

Concen: 0.020 ng/ul

RT: 10.41 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

Instrument :

BNA_N

ClientSampleId :

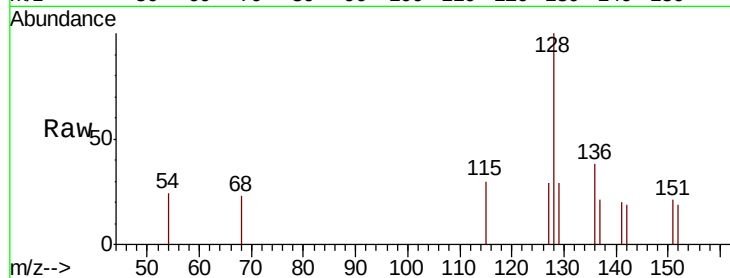
Tot Ion:128 Resp: 356

Ion Ratio Lower Upper

128 100

129 29.3 9.8 14.6#

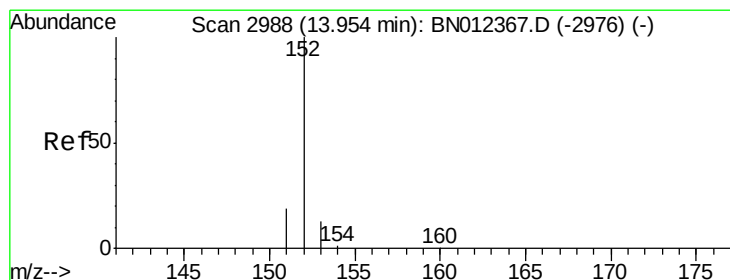
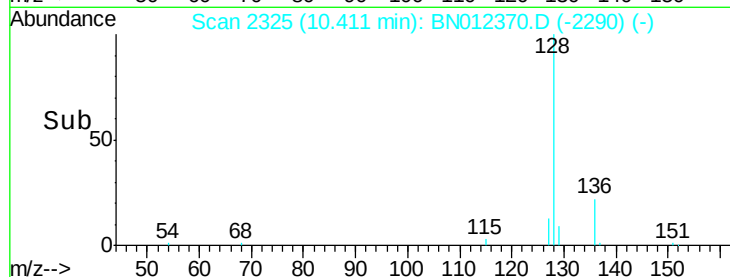
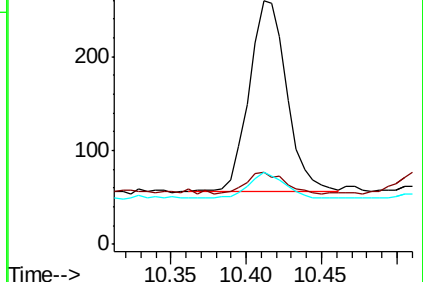
127 29.3 11.4 17.2#



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



#7

Acenaphthylene

Concen: 0.036 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. 0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

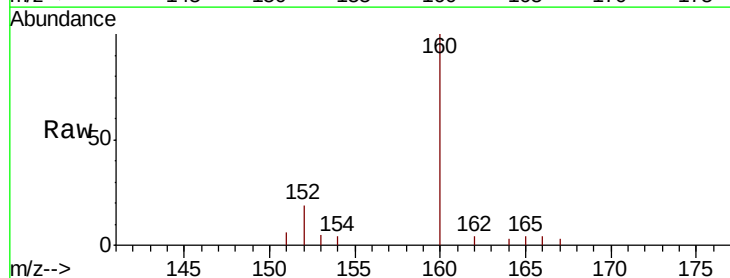
Tgt Ion:152 Resp: 525

Ion Ratio Lower Upper

152 100

151 32.4 16.6 24.8#

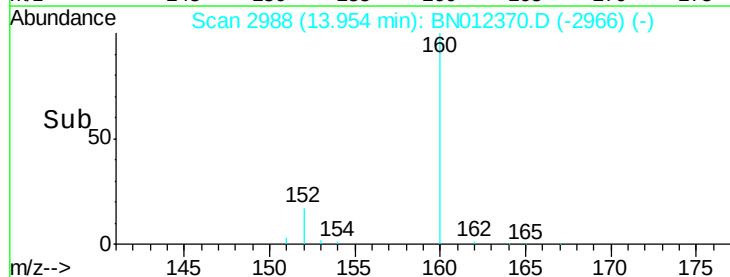
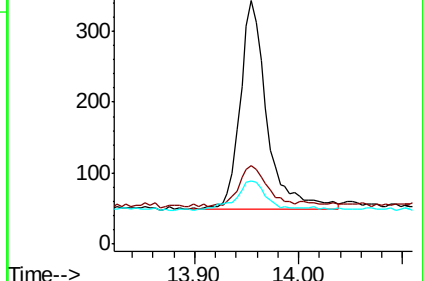
153 25.9 11.4 17.0#

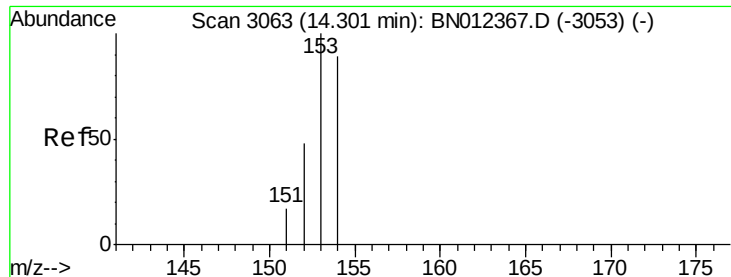


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.054 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. 0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

Instrument :

BNA_N

ClientSampleId :

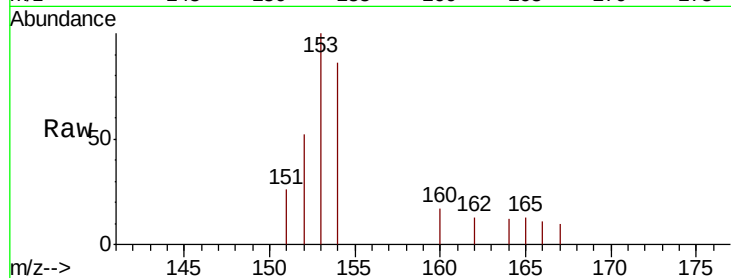
Tot Ion:153 Resp: 658

Ion Ratio Lower Upper

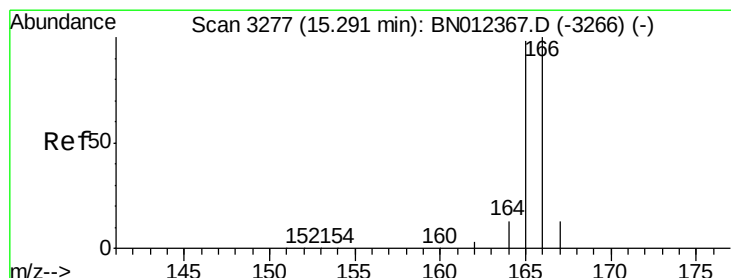
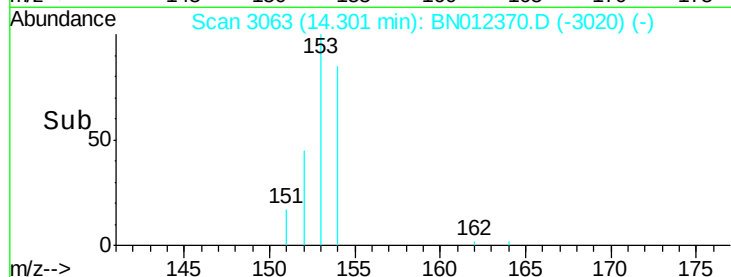
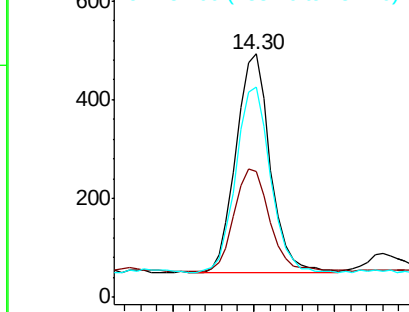
153 100

152 51.5 38.5 57.7

154 86.4 70.7 106.1



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: 0.066 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. 0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

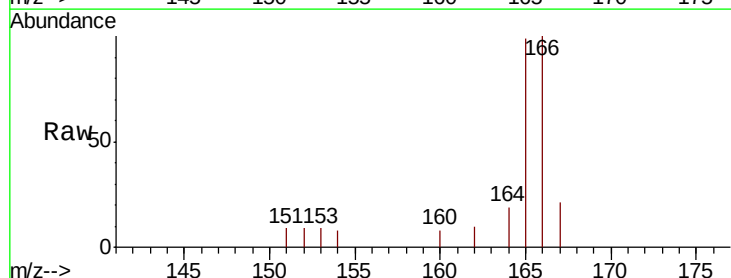
Tgt Ion:166 Resp: 899

Ion Ratio Lower Upper

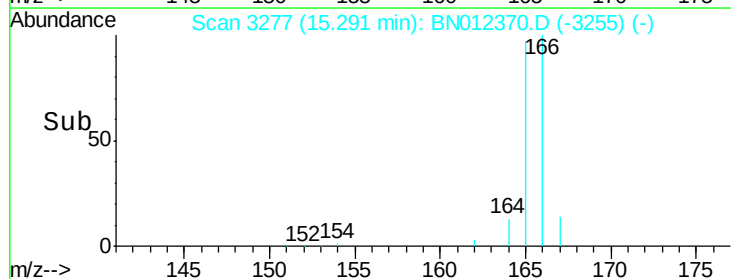
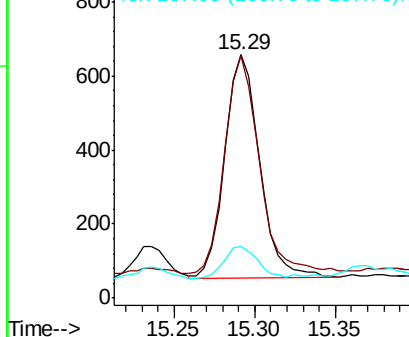
166 100

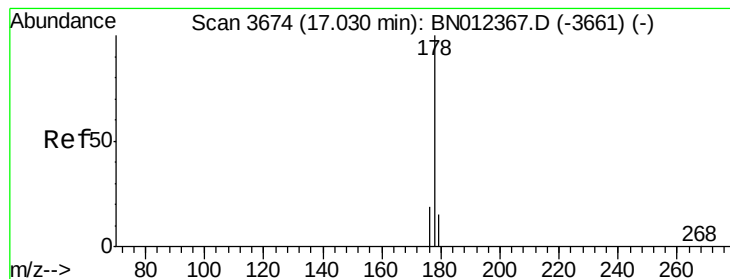
165 99.4 76.3 114.5

167 21.0 12.0 18.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.982 ng/ul

RT: 17.03 min Scan# 3673

Delta R.T. -0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

Instrument :

BNA_N

ClientSampleId :

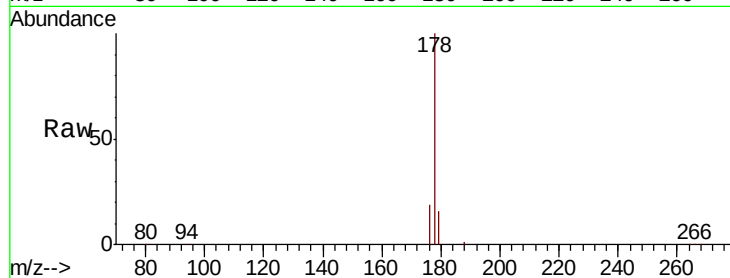
Tot Ion:178 Resp: 20774

Ion Ratio Lower Upper

178 100

179 15.7 13.1 19.7

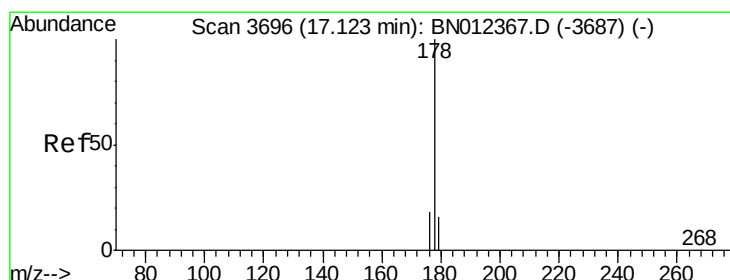
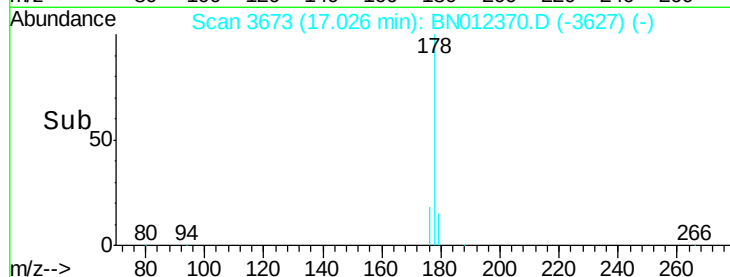
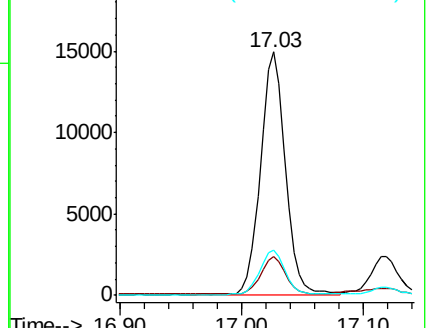
176 18.6 15.8 23.8



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: 0.188 ng/ul

RT: 17.12 min Scan# 3695

Delta R.T. -0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

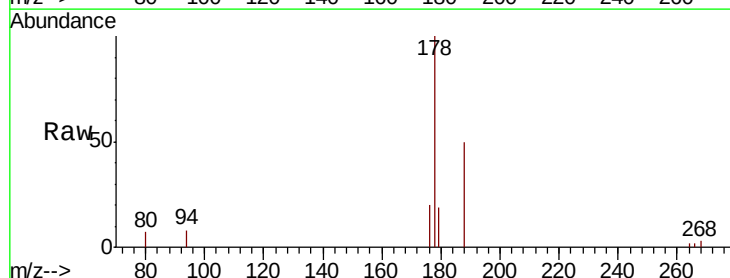
Tgt Ion:178 Resp: 3418

Ion Ratio Lower Upper

178 100

179 18.7 13.1 19.7

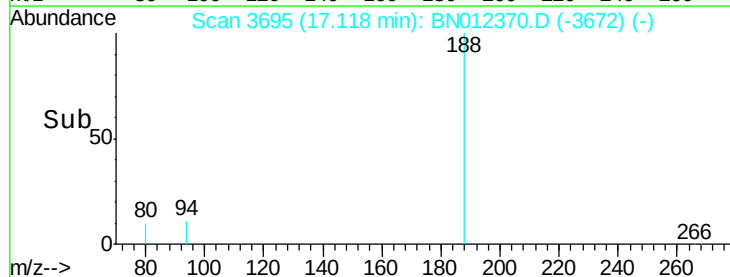
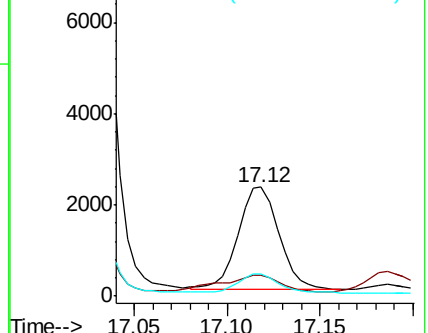
176 20.2 15.4 23.2

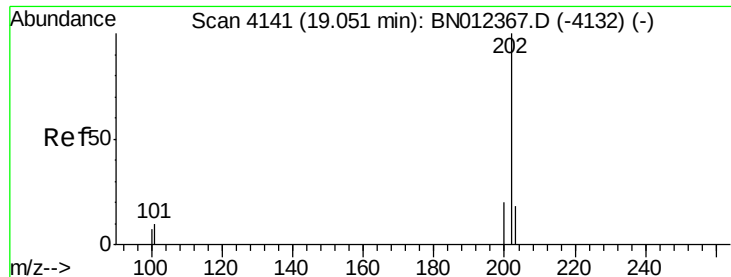


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 2.304 ng/ul

RT: 19.05 min Scan# 4140

Delta R.T. -0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

Instrument :

BNA_N

ClientSampleId :

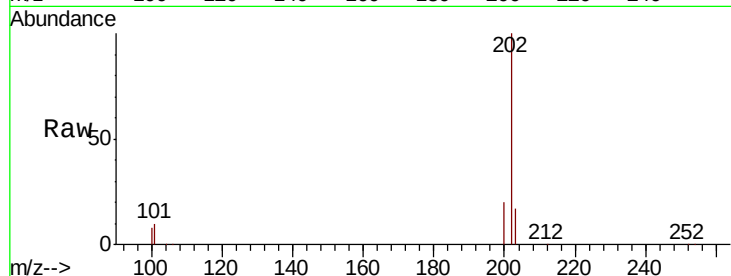
Tot Ion:202 Resp: 57008

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.1

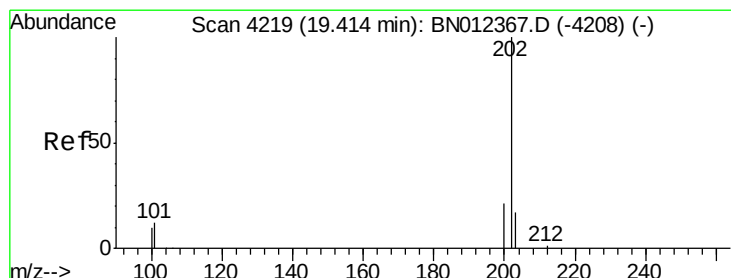
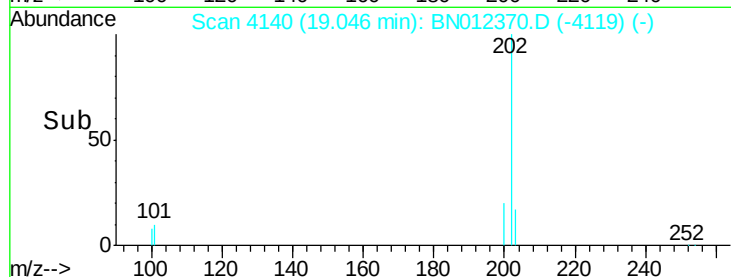
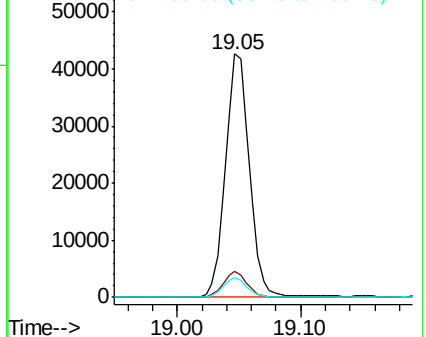
100 8.2 0.0 28.7



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

Pyrene

Concen: 1.731 ng/ul

RT: 19.41 min Scan# 4219

Delta R.T. 0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

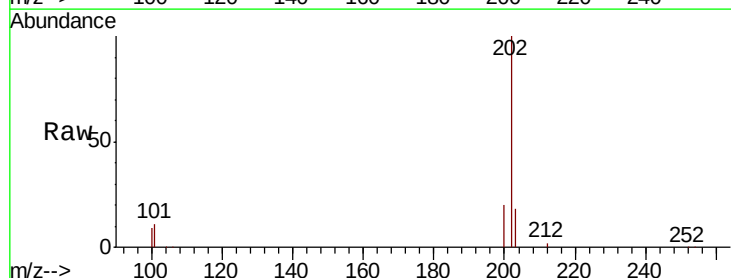
Tgt Ion:202 Resp: 46334

Ion Ratio Lower Upper

202 100

101 11.4 9.6 14.4

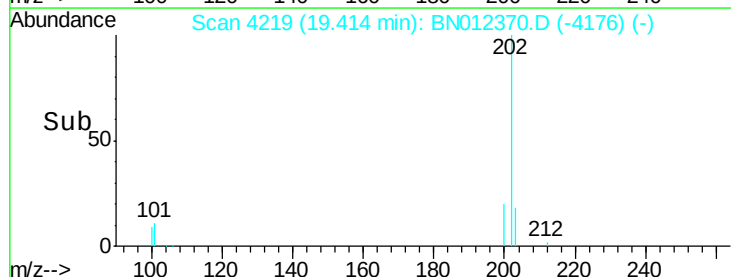
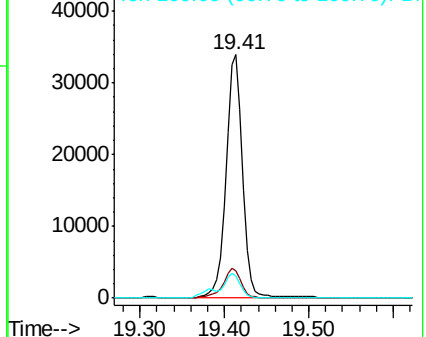
100 9.1 7.8 11.8

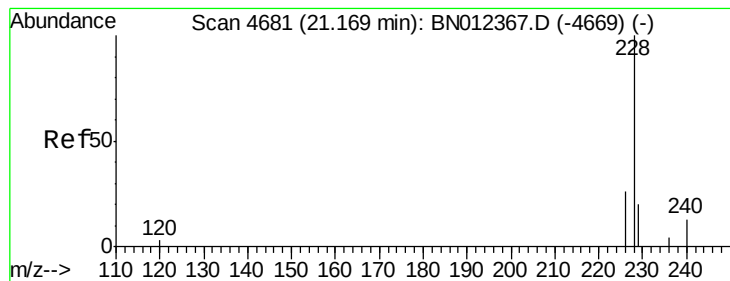


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.086 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. -0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

Instrument :

BNA_N

ClientSampleId :

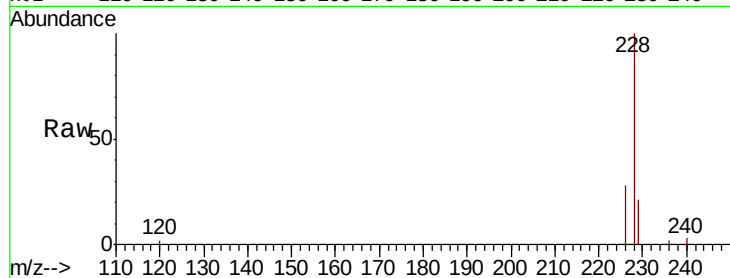
Tot Ion:228 Resp: 23882

Ion Ratio Lower Upper

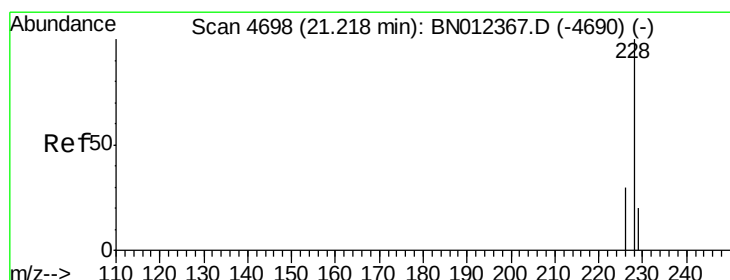
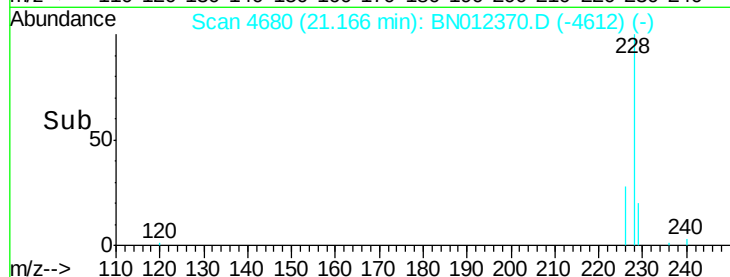
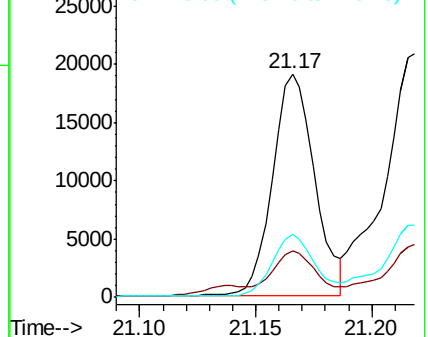
228 100

229 21.0 16.2 24.4

226 28.1 21.2 31.8



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: 1.158 ng/ul

RT: 21.22 min Scan# 4698

Delta R.T. 0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

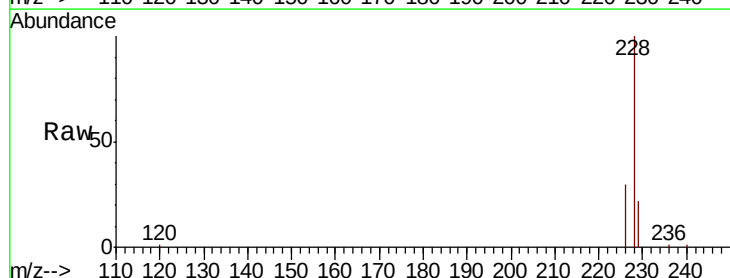
Tgt Ion:228 Resp: 31043

Ion Ratio Lower Upper

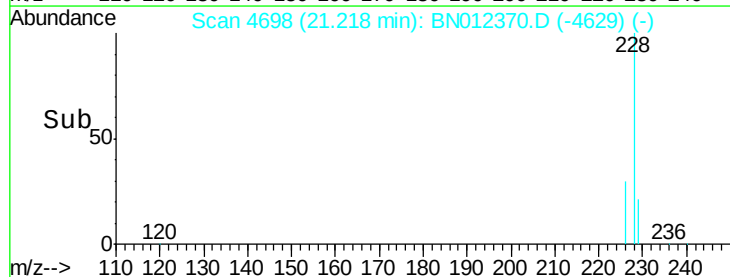
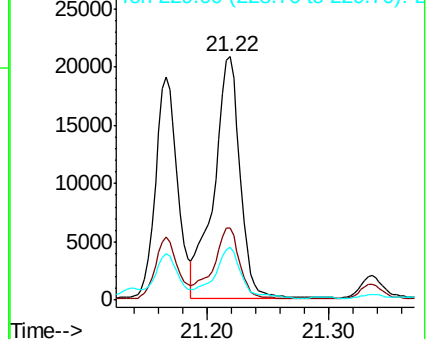
228 100

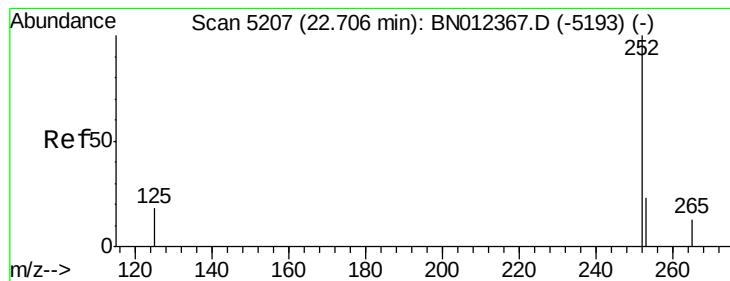
226 29.8 23.8 35.6

229 21.6 15.8 23.8



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





#21

Benzo(b)fluoranthene

Concen: 2.485 ng/ul

RT: 22.71 min Scan# 5207

Delta R.T. 0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

Instrument :

BNA_N

ClientSampleId :

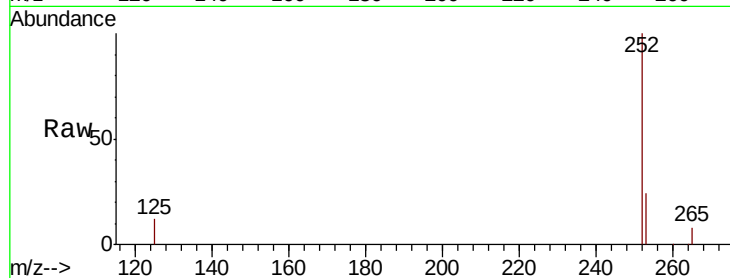
Tot Ion:252 Resp: 59719

Ion Ratio Lower Upper

252 100

253 23.9 0.0 56.4

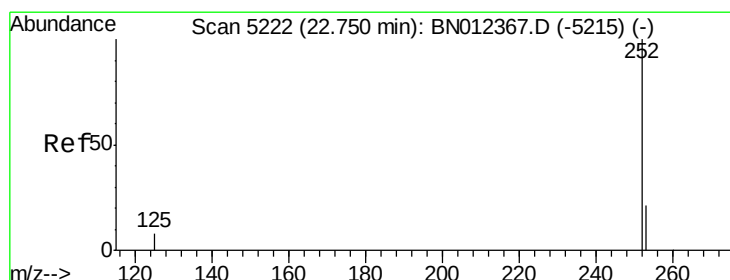
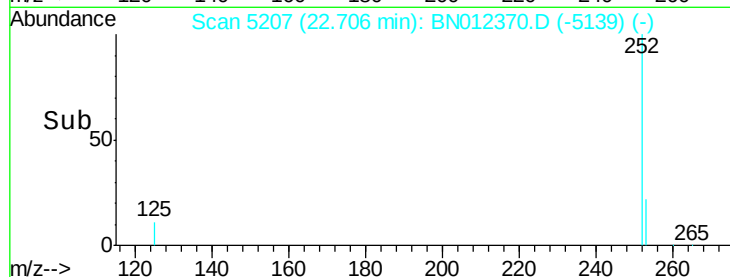
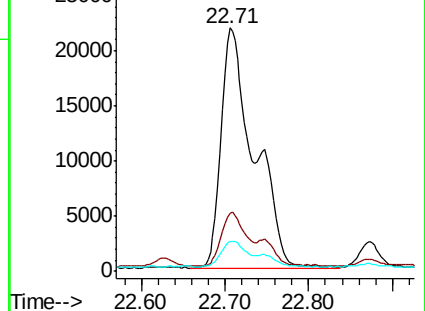
125 12.3 0.0 37.8



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: 2.245 ng/ul

RT: 22.71 min Scan# 5207

Delta R.T. -0.04 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

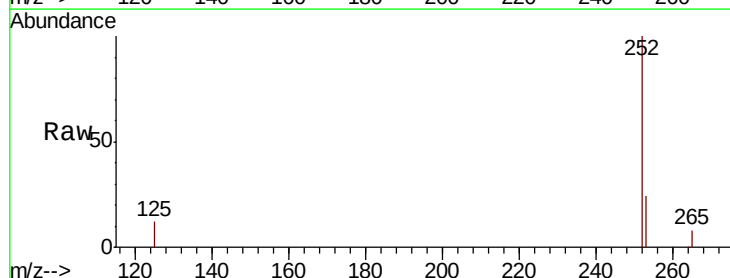
Tgt Ion:252 Resp: 59719

Ion Ratio Lower Upper

252 100

253 23.9 22.2 33.4

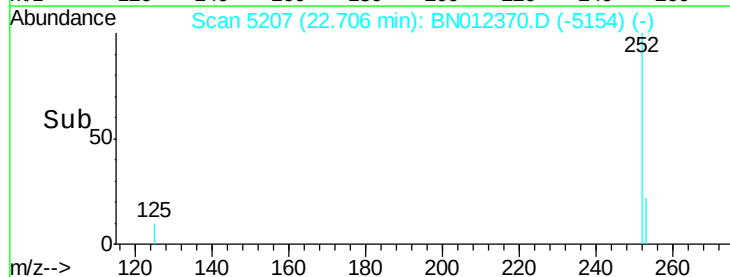
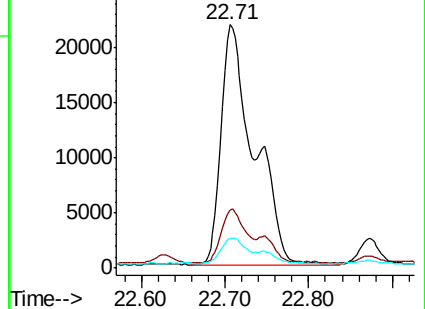
125 12.3 11.0 16.4

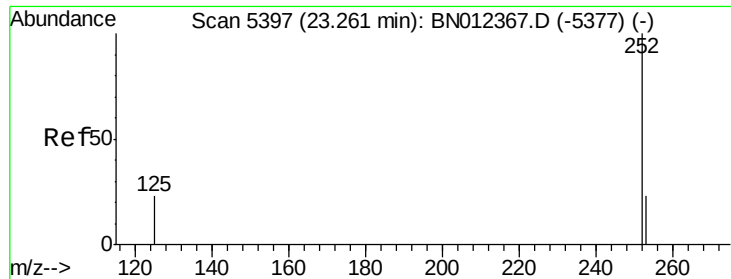


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.26 min Scan# 5396

Delta R.T. -0.00 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

Instrument :

BNA_N

ClientSampleId :

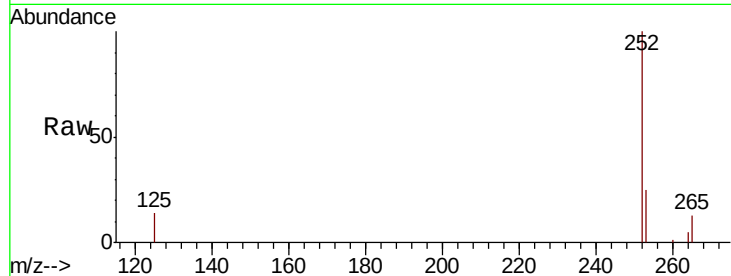
Tot Ion:252 Resp: 25266

Ion Ratio Lower Upper

252 100

253 25.3 23.8 35.6

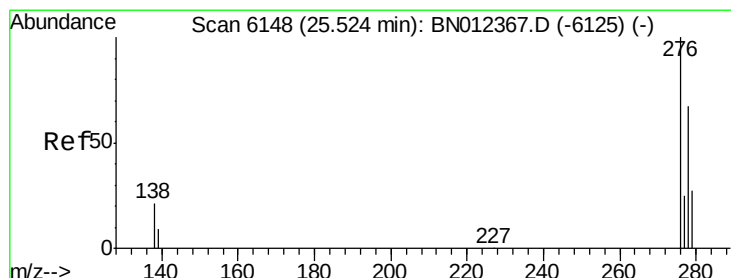
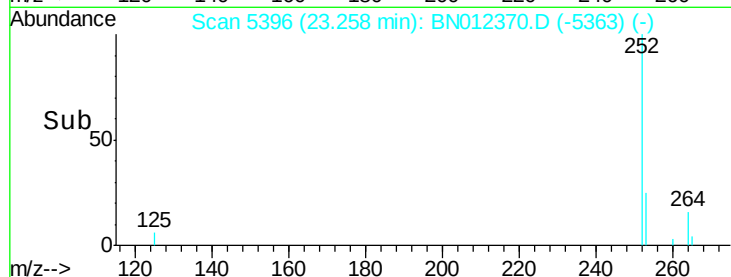
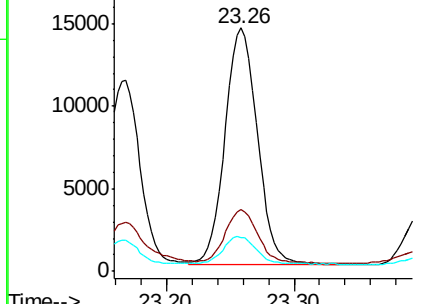
125 13.9 19.3 28.9#



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: 0.682 ng/ul

RT: 25.52 min Scan# 6146

Delta R.T. -0.01 min

Lab File: BN012370.D

Acq: 20 Oct 2020 03:00

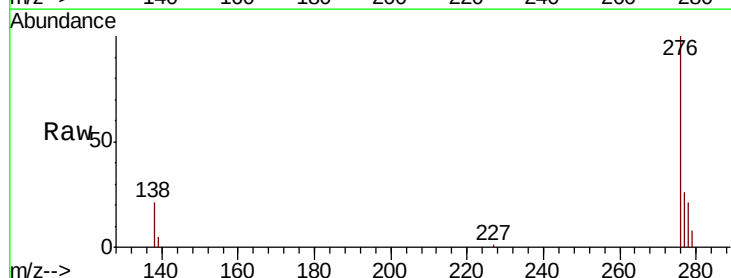
Tgt Ion:276 Resp: 20486

Ion Ratio Lower Upper

276 100

138 19.5 17.0 25.6

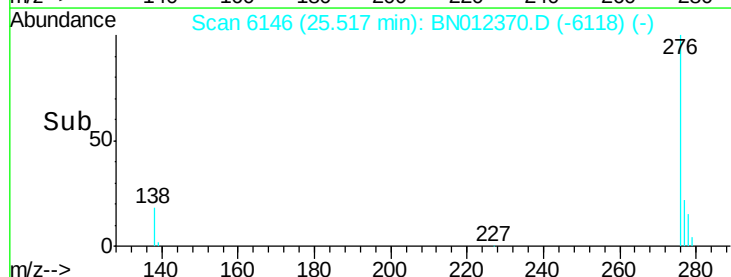
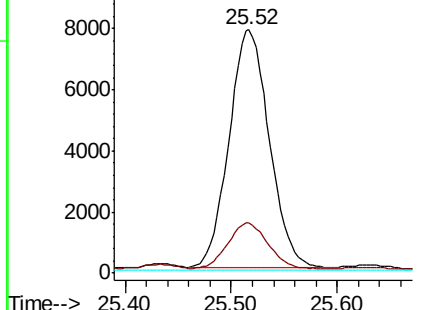
227 0.1 0.1 0.1#

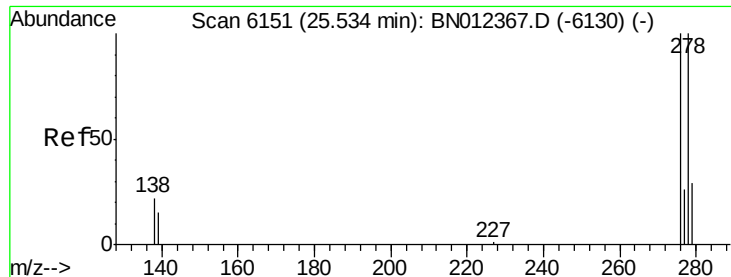


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

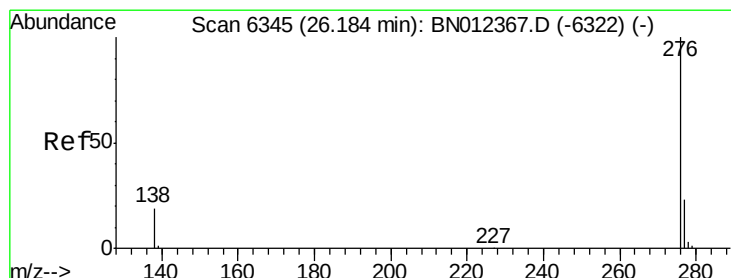
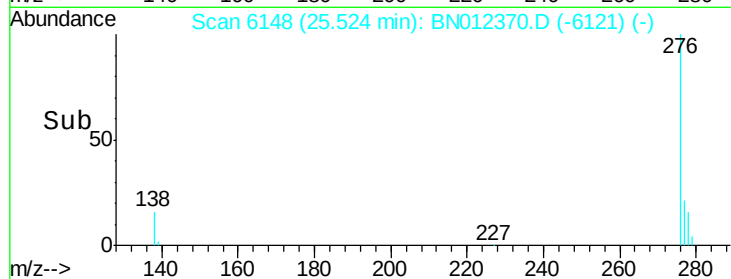
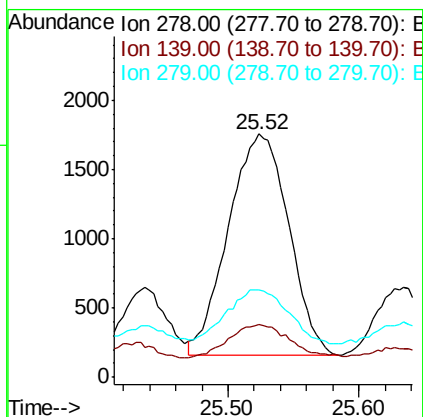
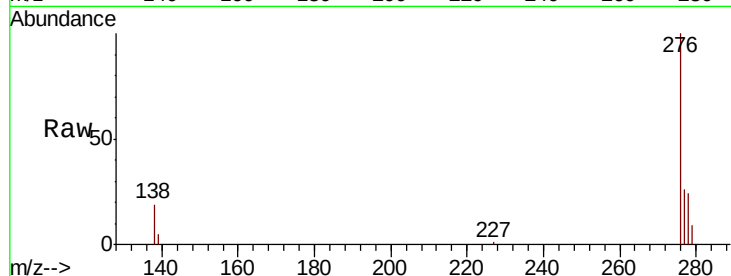




#25
Dibenzo(a,h)anthracene
Concen: 0.212 ng/ul
RT: 25.52 min Scan# 6148
Delta R.T. -0.01 min
Lab File: BN012370.D
Acq: 20 Oct 2020 03:00

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 5091
Ion Ratio Lower Upper
278 100
139 21.6 13.8 20.8#
279 36.1 23.8 35.8#



#26
Benzo(g,h,i)perylene
Concen: 0.655 ng/ul
RT: 26.18 min Scan# 6344
Delta R.T. -0.00 min
Lab File: BN012370.D
Acq: 20 Oct 2020 03:00

Tgt Ion:276 Resp: 18032
Ion Ratio Lower Upper
276 100
138 21.8 16.6 24.8
277 25.1 20.7 31.1

