

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101920\
 Data File : BN012369.D
 Acq On : 20 Oct 2020 02:24
 Operator : CG/JU
 Sample : L4308-01DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 20 08:25:30 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 : Tue Oct 20 08:18:15 2020
 Response via : Initial Calibration

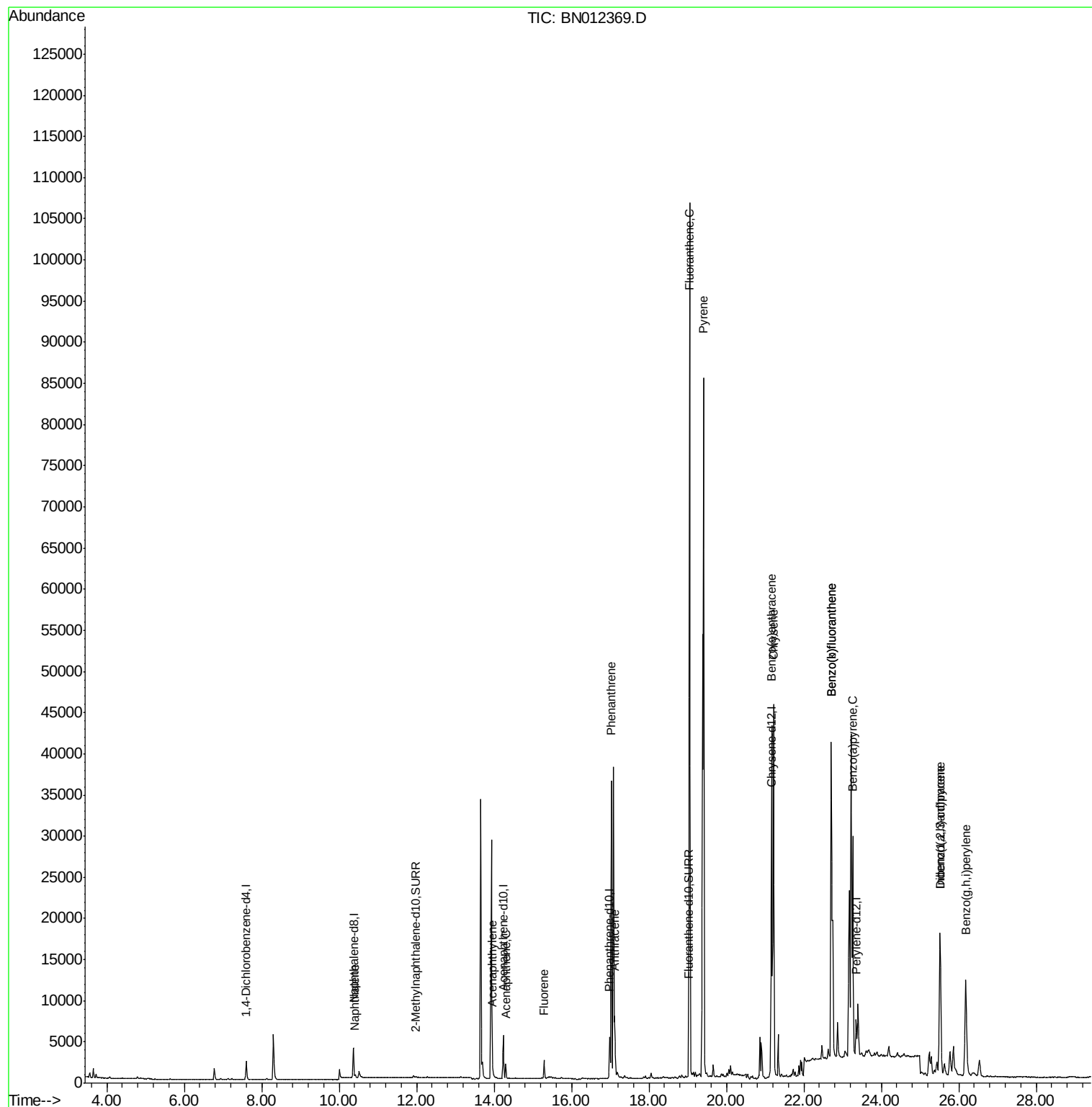
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1247	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	5275	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	2975	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	6082	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	5435	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	5395	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	287	0.04	ng/ul	0.01
14) Fluoranthene-d10	19.02	212	558	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	370	0.024	ng/ul#	61
7) Acenaphthylene	13.96	152	914	0.071	ng/ul#	87
8) Acenaphthene	14.30	153	1078	0.099	ng/ul	97
9) Fluorene	15.29	166	1519	0.125	ng/ul#	97
12) Phenanthrene	17.03	178	37397	1.929	ng/ul	98
13) Anthracene	17.12	178	6705	0.403	ng/ul	98
15) Fluoranthene	19.05	202	90515	3.993	ng/ul	98
17) Pyrene	19.41	202	72315	2.951	ng/ul	98
18) Benzo(a)anthracene	21.17	228	34696	1.723	ng/ul	99
19) Chrysene	21.22	228	43708	1.782	ng/ul	99
21) Benzo(b)fluoranthene	22.71	252	79830	3.663	ng/ul	88
22) Benzo(k)fluoranthene	22.71	252	79830	3.310	ng/ul	92
23) Benzo(a)pyrene	23.26	252	33838	1.596	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.52	276	26864	0.986	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.53	278	6916	0.317	ng/ul	94
26) Benzo(a,h,i)perylene	26.18	276	23418	0.938	ng/ul	98

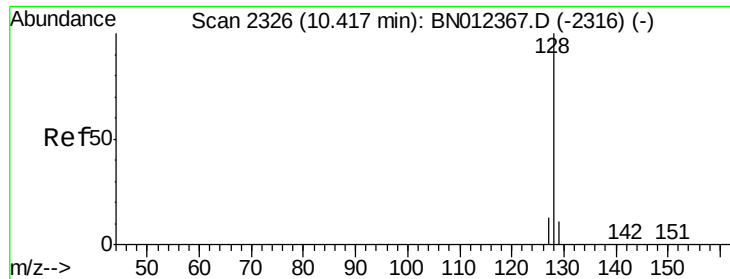
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.024 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

Instrument :

BNA_N

ClientSampleId :

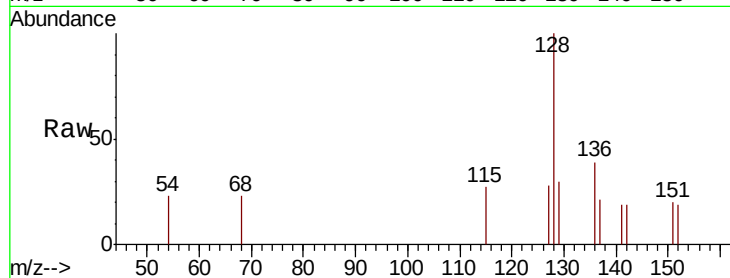
Tot Ion:128 Resp: 370

Ion Ratio Lower Upper

128 100

129 29.9 9.8 14.6#

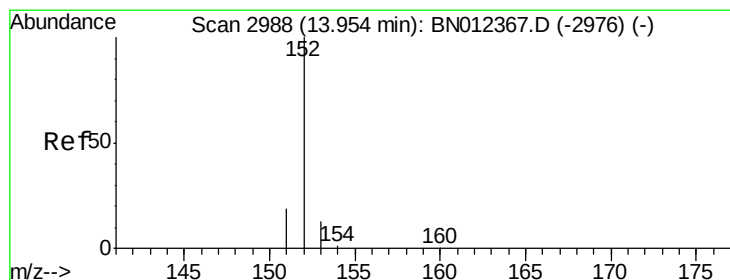
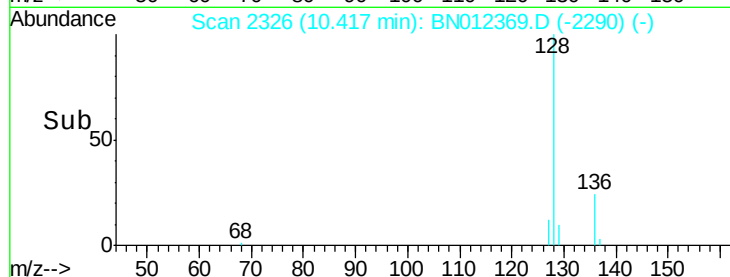
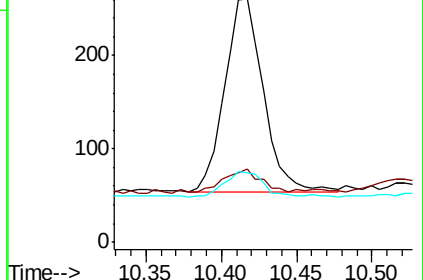
127 28.4 11.4 17.2#



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: 0.071 ng/ul

RT: 13.96 min Scan# 2989

Delta R.T. 0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

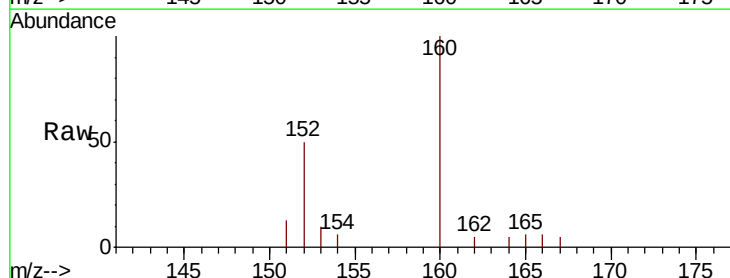
Tgt Ion:152 Resp: 914

Ion Ratio Lower Upper

152 100

151 26.4 16.6 24.8#

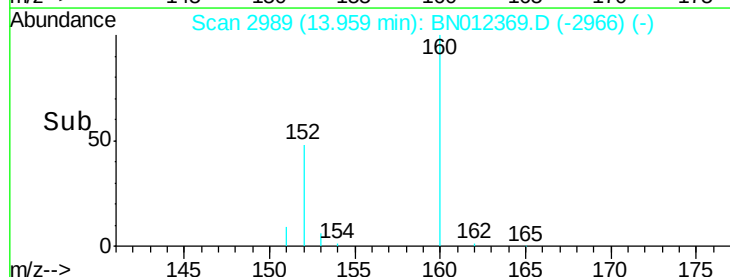
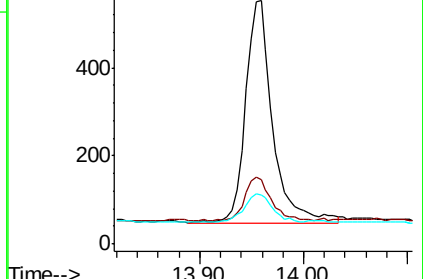
153 20.1 11.4 17.0#

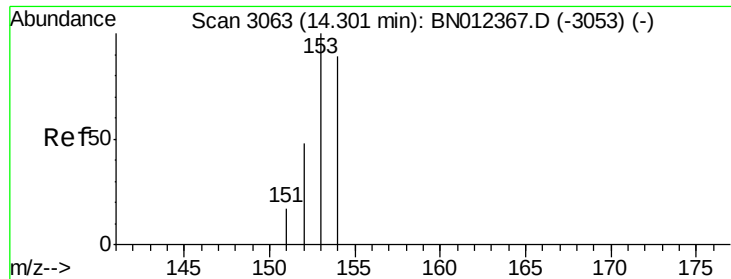


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.099 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. 0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

Instrument :

BNA_N

ClientSampleId :

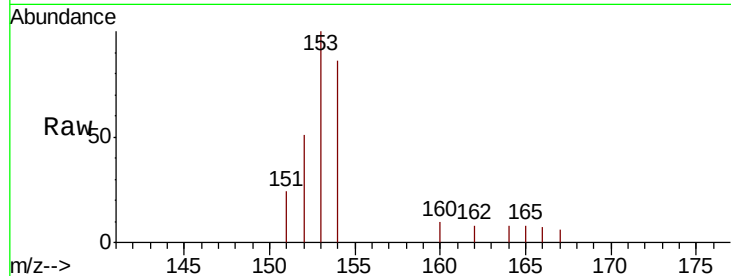
Tot Ion:153 Resp: 1078

Ion Ratio Lower Upper

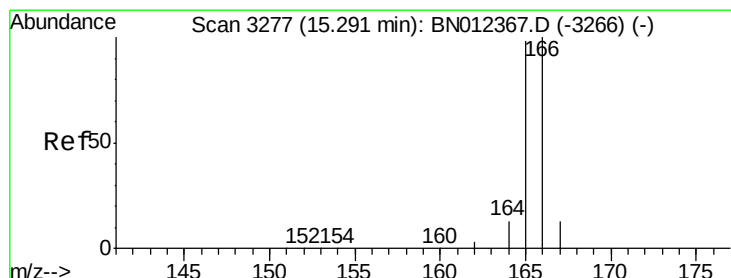
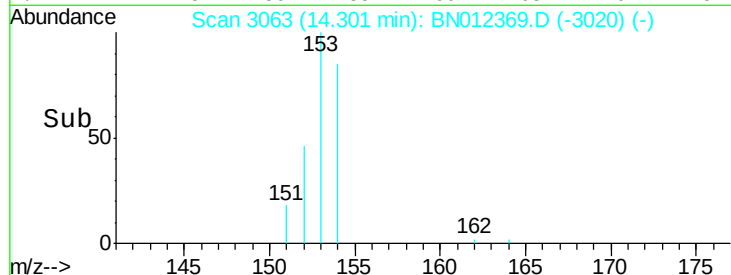
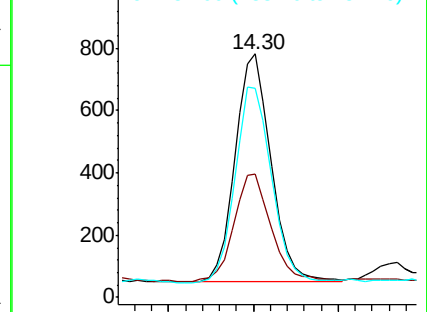
153 100

152 50.6 38.5 57.7

154 86.1 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: 0.125 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. 0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

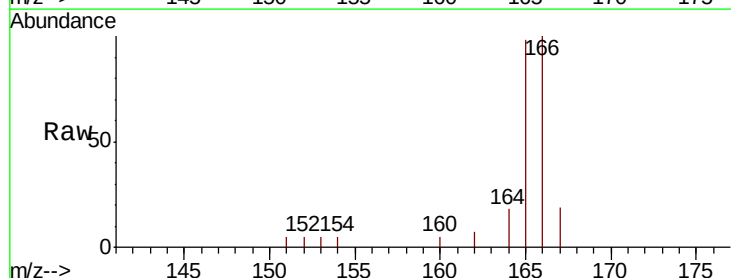
Tgt Ion:166 Resp: 1519

Ion Ratio Lower Upper

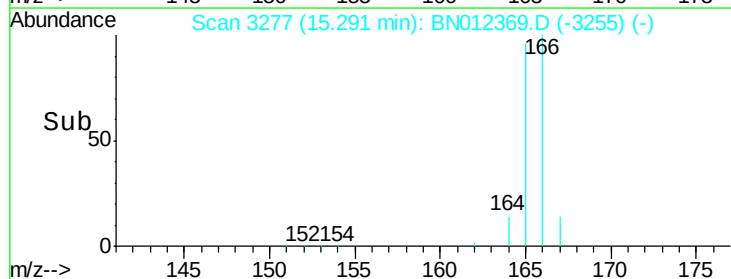
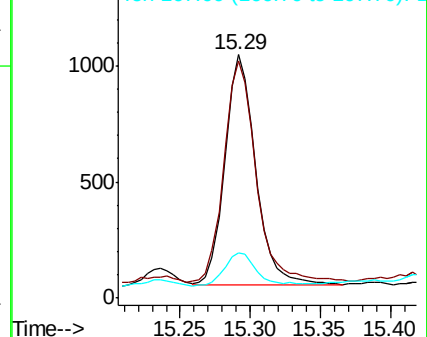
166 100

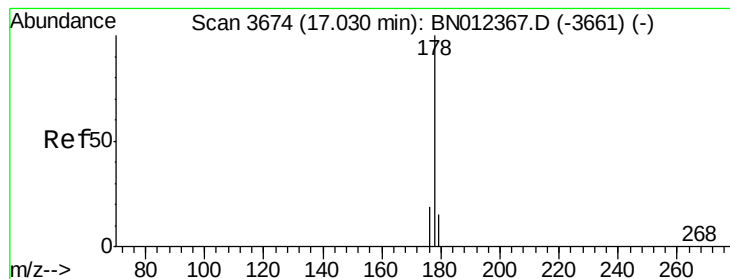
165 97.6 76.3 114.5

167 18.8 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: 1.929 ng/ul

RT: 17.03 min Scan# 3673

Delta R.T. -0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

Instrument :

BNA_N

ClientSampleId :

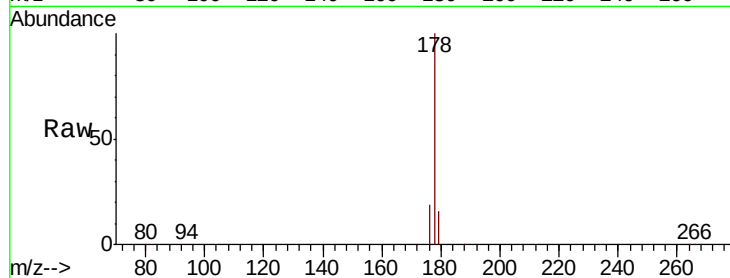
Tot Ion:178 Resp: 37397

Ion Ratio Lower Upper

178 100

179 15.6 13.1 19.7

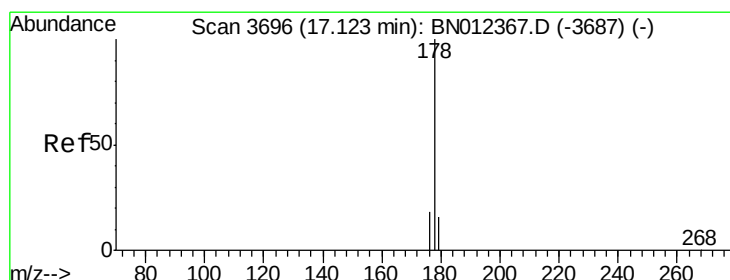
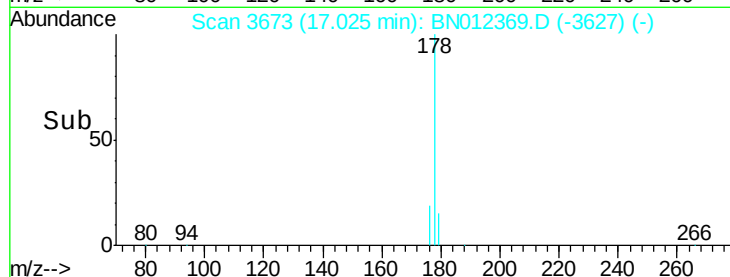
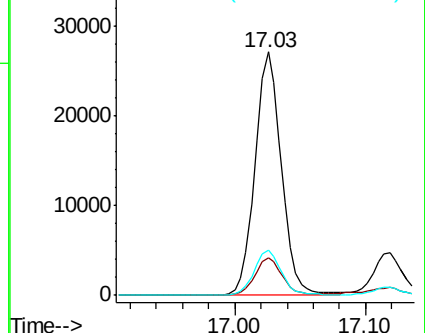
176 18.8 15.8 23.8



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: 0.403 ng/ul

RT: 17.12 min Scan# 3695

Delta R.T. -0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

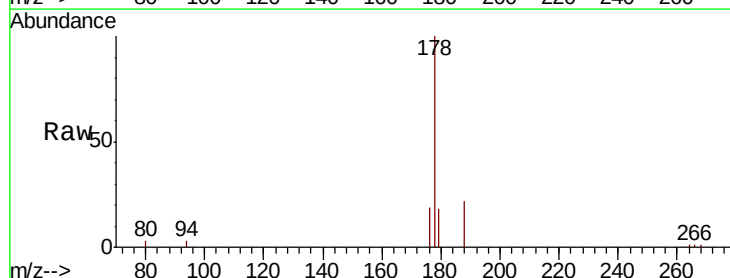
Tgt Ion:178 Resp: 6705

Ion Ratio Lower Upper

178 100

179 17.6 13.1 19.7

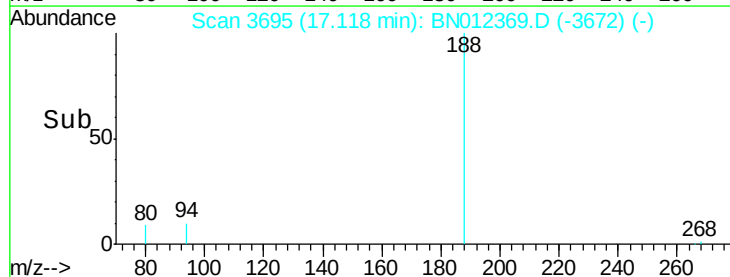
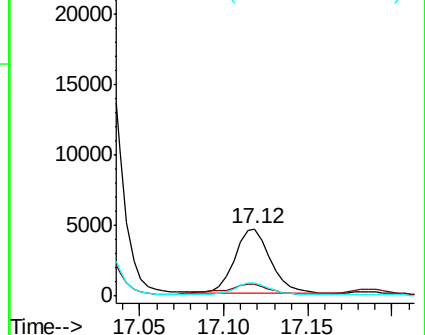
176 18.8 15.4 23.2

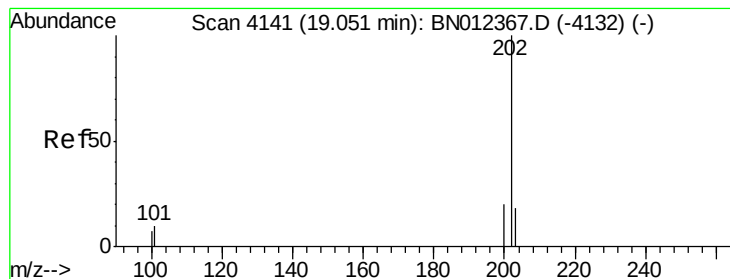


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 3.993 ng/ul

RT: 19.05 min Scan# 4140

Delta R.T. -0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

Instrument :

BNA_N

ClientSampleId :

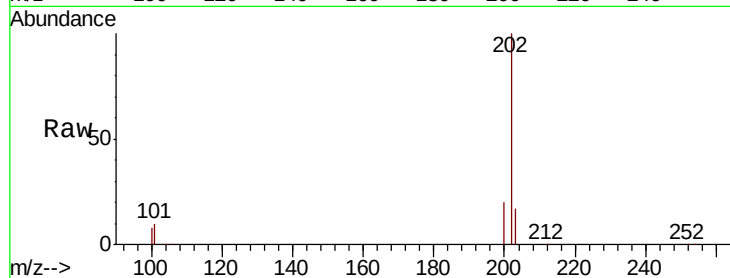
Tot Ion:202 Resp: 90515

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.1

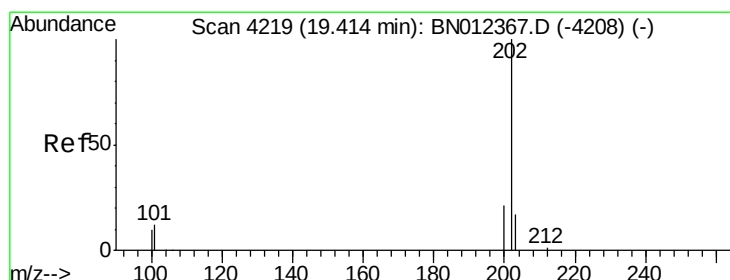
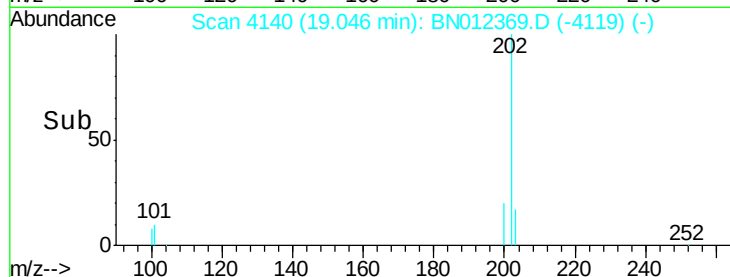
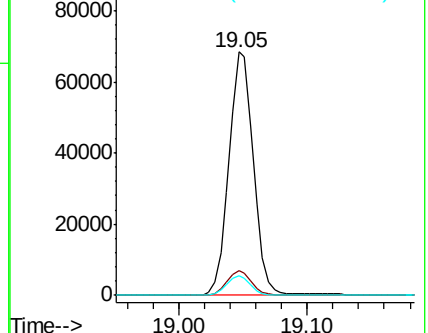
100 8.0 0.0 28.7



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: 2.951 ng/ul

RT: 19.41 min Scan# 4219

Delta R.T. 0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

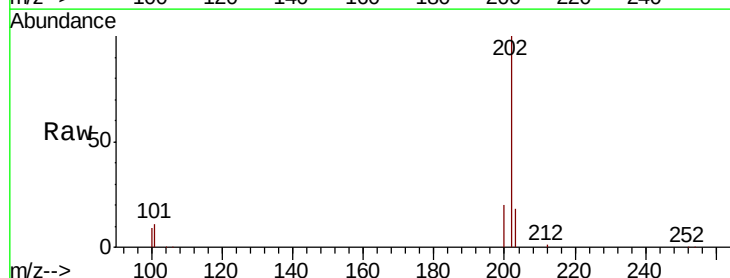
Tgt Ion:202 Resp: 72315

Ion Ratio Lower Upper

202 100

101 11.3 9.6 14.4

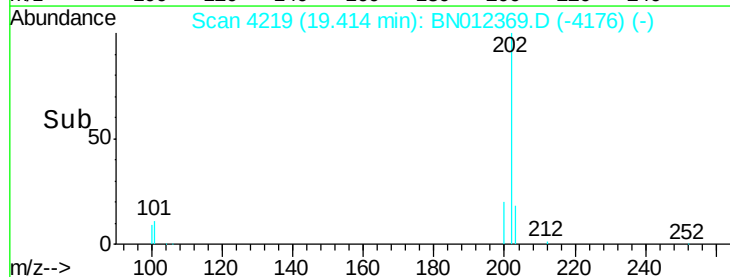
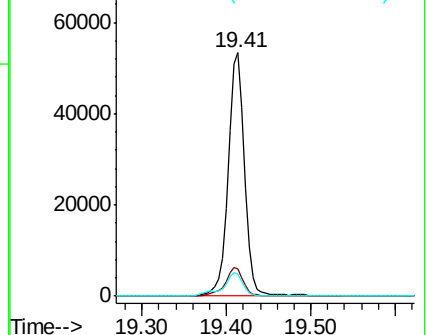
100 9.1 7.8 11.8

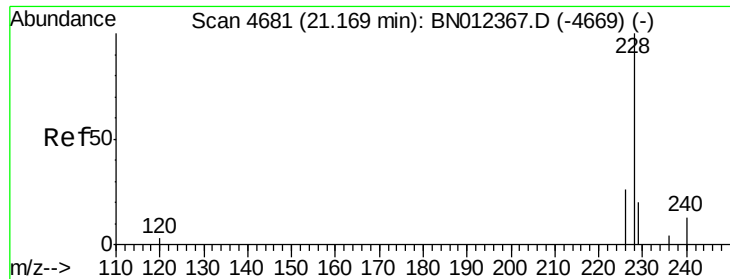


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.723 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. -0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

Instrument :

BNA_N

ClientSampleId :

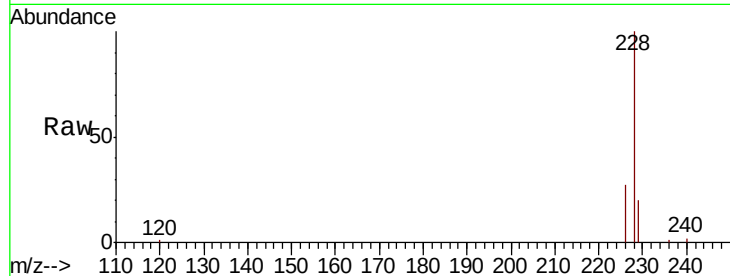
Tot Ion:228 Resp: 34696

Ion Ratio Lower Upper

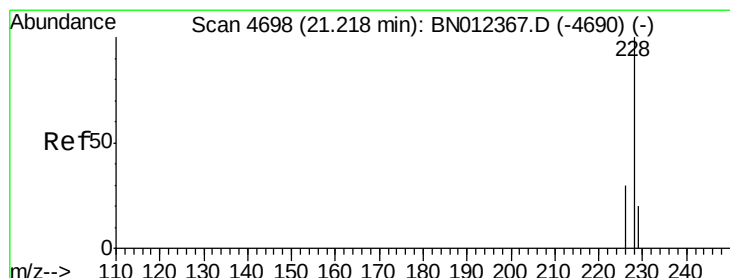
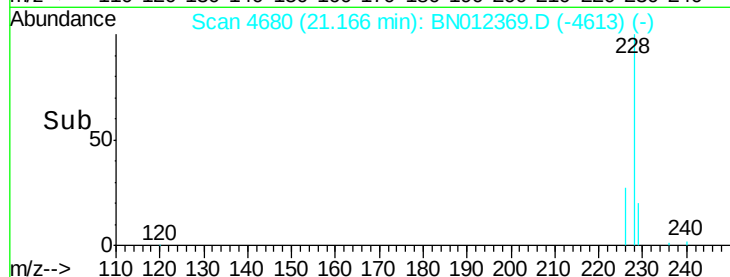
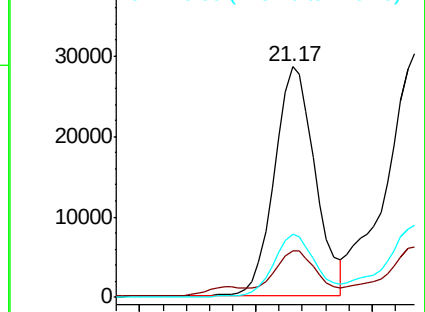
228 100

229 20.2 16.2 24.4

226 27.4 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: 1.782 ng/ul

RT: 21.22 min Scan# 4698

Delta R.T. 0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

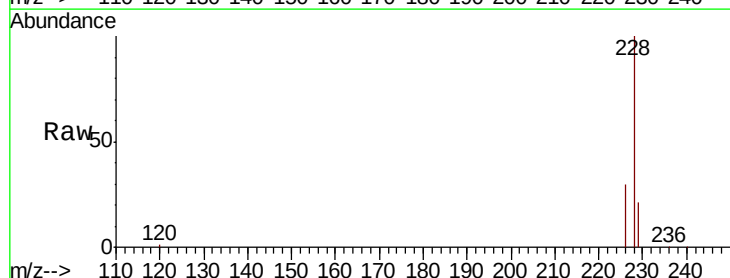
Tgt Ion:228 Resp: 43708

Ion Ratio Lower Upper

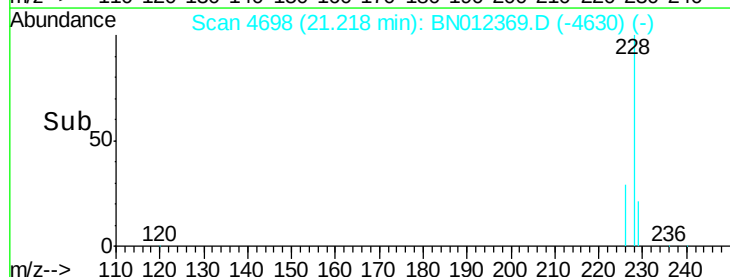
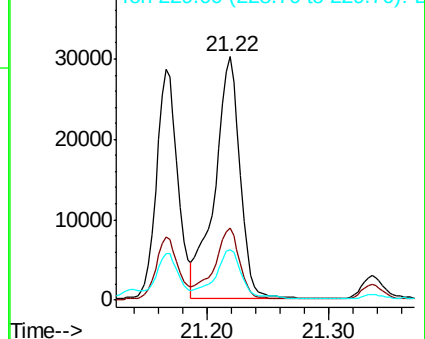
228 100

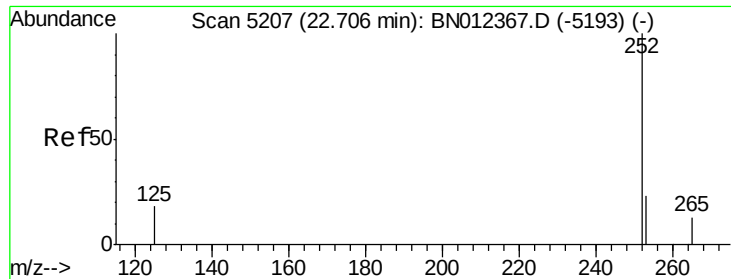
226 29.6 23.8 35.6

229 20.9 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: 3.663 ng/ul

RT: 22.71 min Scan# 5207

Delta R.T. 0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

Instrument :

BNA_N

ClientSampleId :

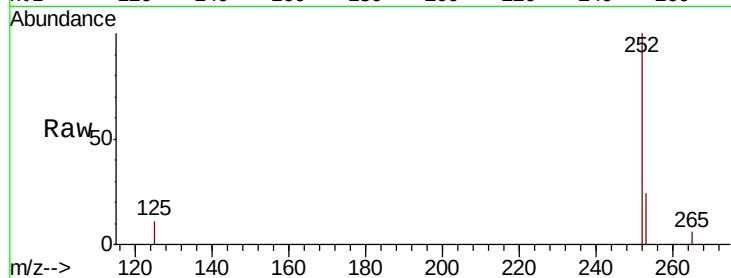
Tot Ion:252 Resp: 79830

Ion Ratio Lower Upper

252 100

253 23.5 0.0 56.4

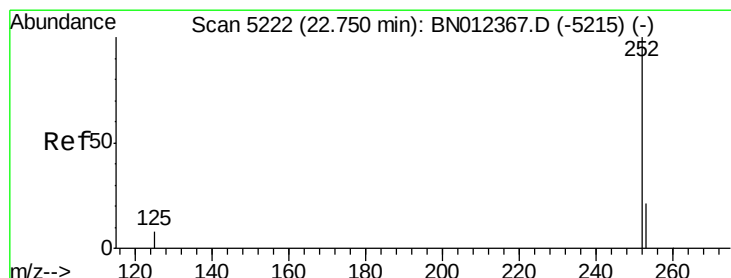
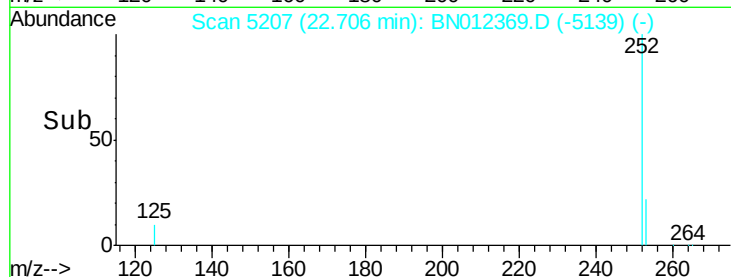
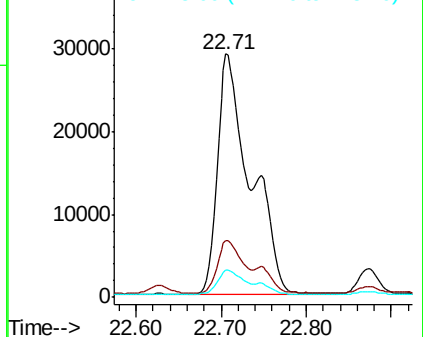
125 11.0 0.0 37.8



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: 3.310 ng/ul

RT: 22.71 min Scan# 5207

Delta R.T. -0.04 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

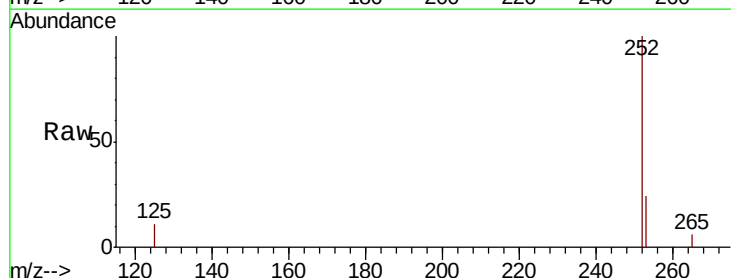
Tgt Ion:252 Resp: 79830

Ion Ratio Lower Upper

252 100

253 23.5 22.2 33.4

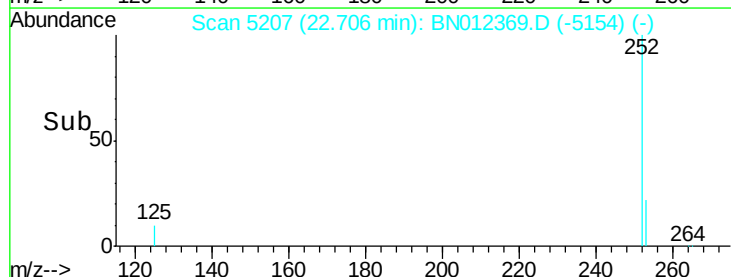
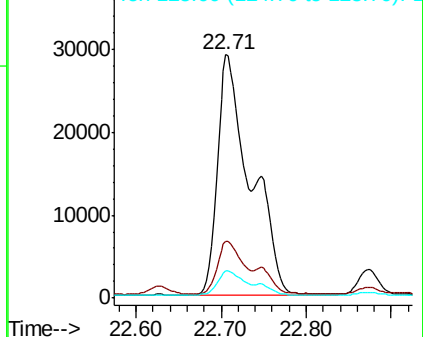
125 11.0 11.0 16.4

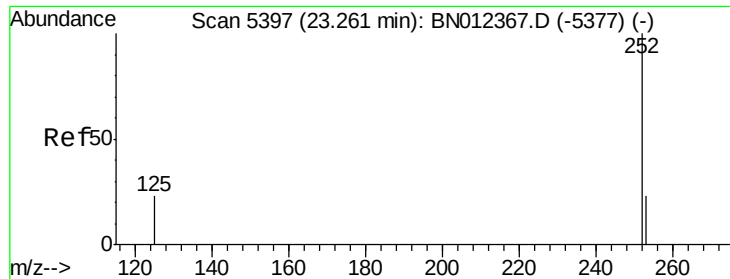


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.596 ng/ul

RT: 23.26 min Scan# 5397

Delta R.T. 0.00 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

Instrument :

BNA_N

ClientSampleId :

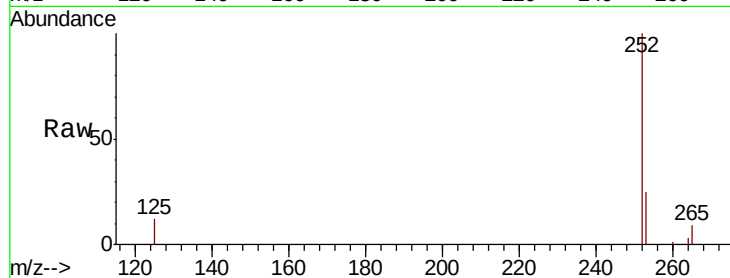
Tot Ion:252 Resp: 33838

Ion Ratio Lower Upper

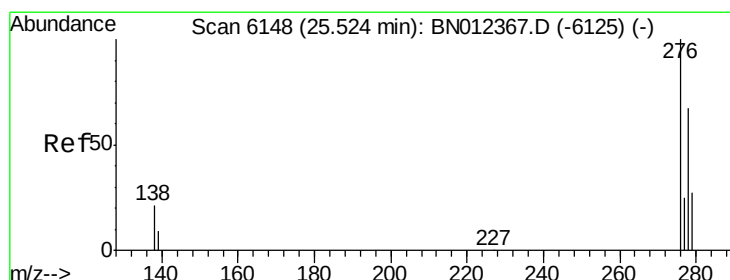
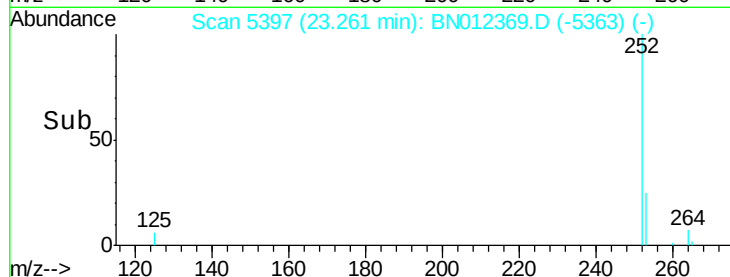
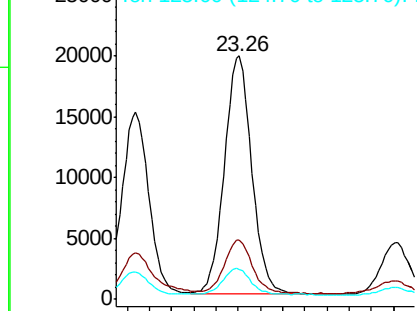
252 100

253 24.5 23.8 35.6

125 12.4 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: 0.986 ng/ul

RT: 25.52 min Scan# 6146

Delta R.T. -0.01 min

Lab File: BN012369.D

Acq: 20 Oct 2020 02:24

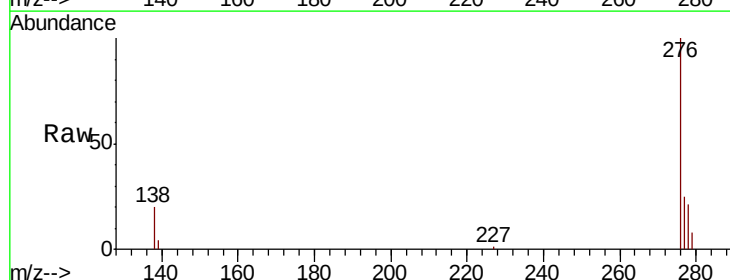
Tgt Ion:276 Resp: 26864

Ion Ratio Lower Upper

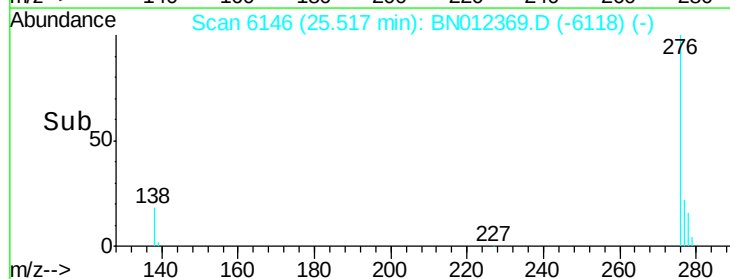
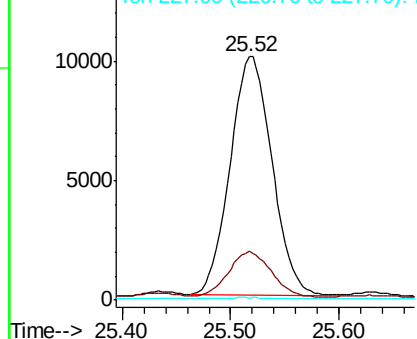
276 100

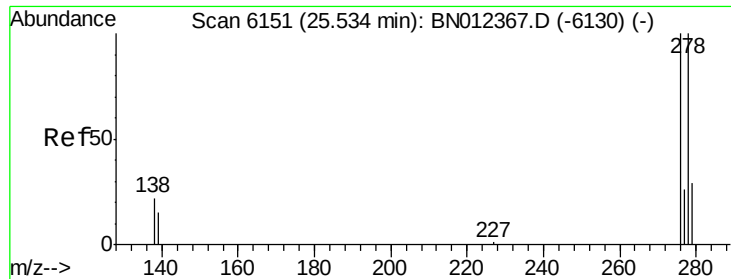
138 19.2 17.0 25.6

227 0.2 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

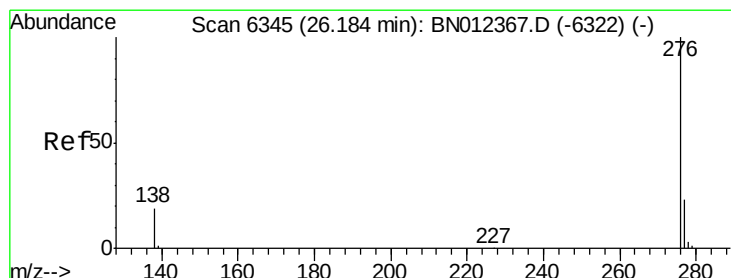
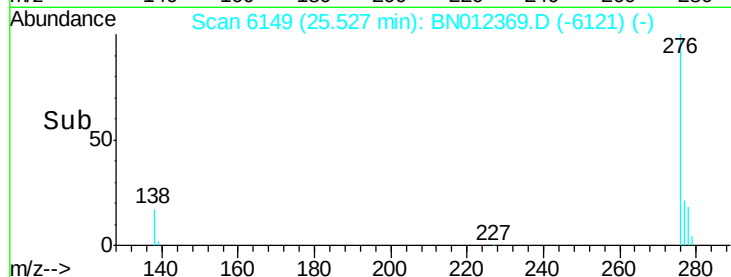
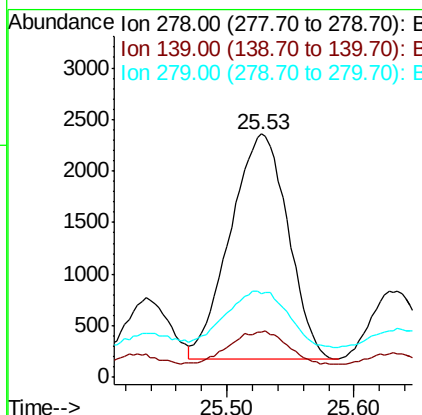
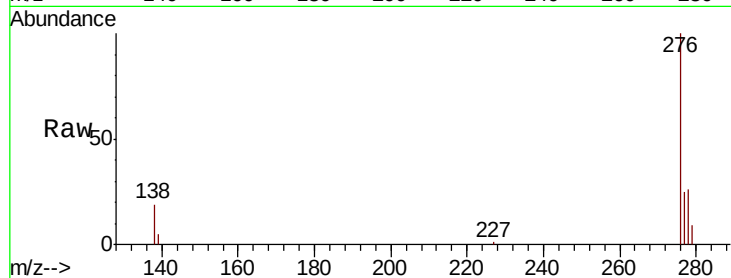




#25
Dibenzo(a,h)anthracene
Concen: 0.317 ng/ul
RT: 25.53 min Scan# 6149
Delta R.T. -0.01 min
Lab File: BN012369.D
Acq: 20 Oct 2020 02:24

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 6916
Ion Ratio Lower Upper
278 100
139 18.4 13.8 20.8
279 34.5 23.8 35.8



#26
Benzo(g,h,i)perylene
Concen: 0.938 ng/ul
RT: 26.18 min Scan# 6344
Delta R.T. -0.00 min
Lab File: BN012369.D
Acq: 20 Oct 2020 02:24

Tgt Ion:276 Resp: 23418
Ion Ratio Lower Upper
276 100
138 20.3 16.6 24.8
277 24.8 20.7 31.1

