

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101920\
 Data File : BN012372.D
 Acq On : 20 Oct 2020 04:13
 Operator : CG/JU
 Sample : L4308-02DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 20 08:25:58 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

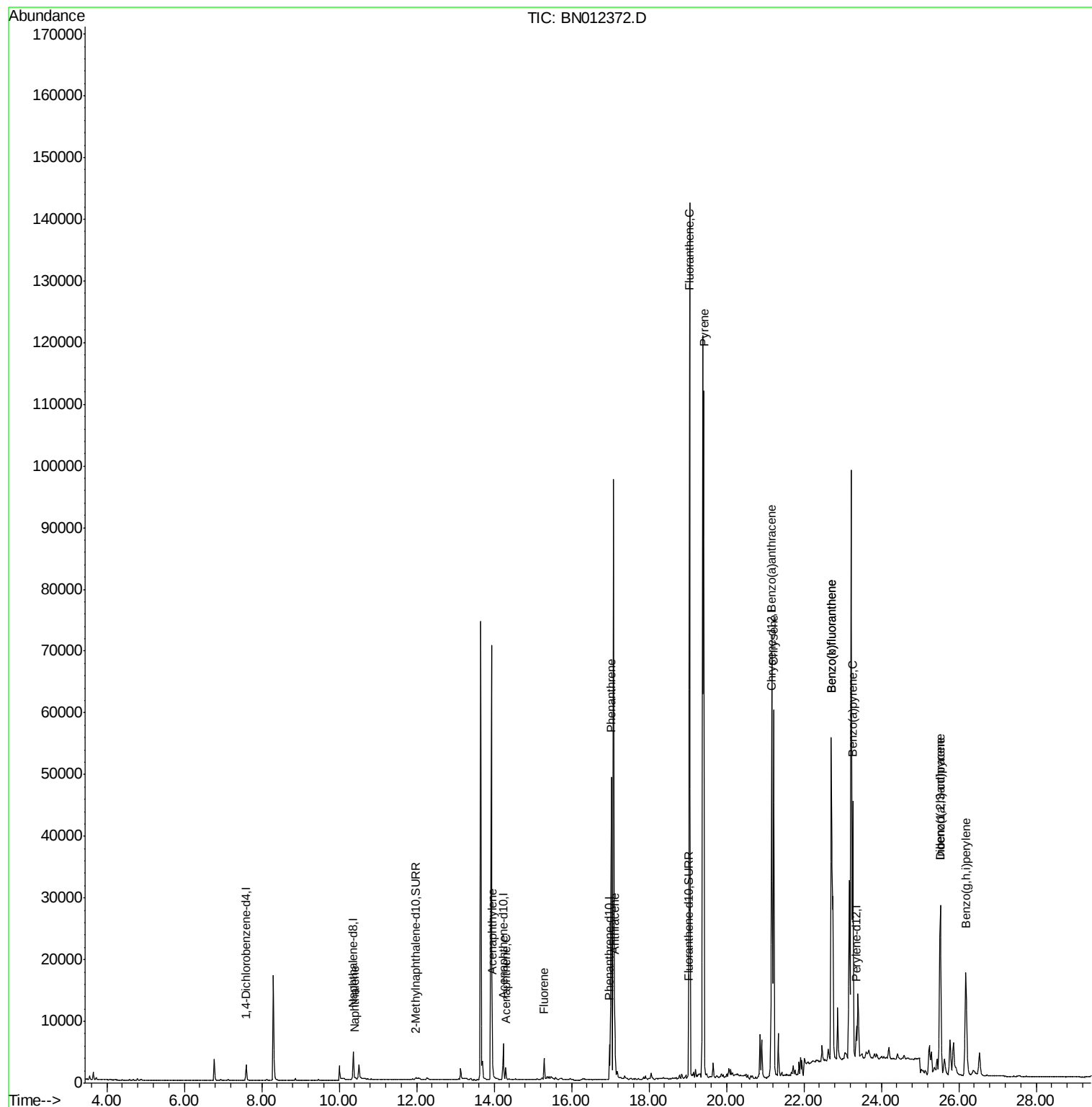
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1404	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	5875	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	3233	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	6473	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	5795	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	5927	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	566	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	1297	0.07	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.41	128	368	0.022	ng/ul#	64
7) Acenaphthylene	13.95	152	2608	0.186	ng/ul	95
8) Acenaphthene	14.30	153	1179	0.099	ng/ul	98
9) Fluorene	15.29	166	2261	0.171	ng/ul#	96
12) Phenanthrene	17.03	178	51559	2.499	ng/ul	97
13) Anthracene	17.11	178	11791	0.666	ng/ul	99
15) Fluoranthene	19.05	202	117027	4.850	ng/ul	99
17) Pyrene	19.41	202	94015	3.598	ng/ul	99
18) Benzo(a)anthracene	21.17	228	55189	2.571	ng/ul	98
19) Chrysene	21.22	228	57577	2.202	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	111377	4.652	ng/ul	88
22) Benzo(k)fluoranthene	22.71	252	111377	4.203	ng/ul	93
23) Benzo(a)pyrene	23.26	252	53384	2.292	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.52	276	40523	1.354	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.52	278	10707	0.447	ng/ul	94
26) Benzo(a,h,i)perylene	26.18	276	33858	1.235	ng/ul	99

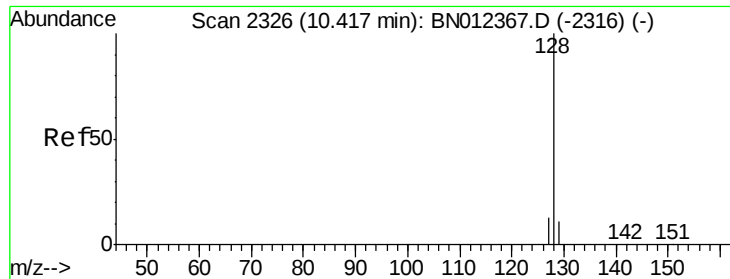
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 20 08:18:15 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.022 ng/ul

RT: 10.41 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

Instrument :

BNA_N

ClientSampleId :

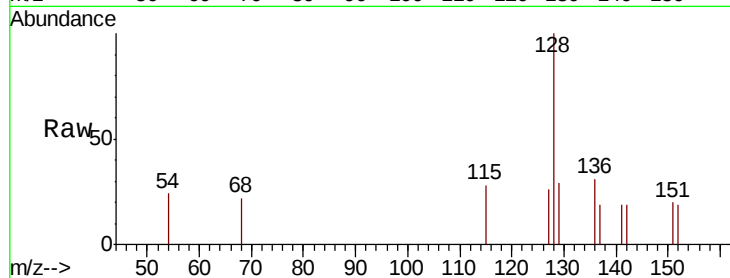
Tot Ion:128 Resp: 368

Ion Ratio Lower Upper

128 100

129 28.7 9.8 14.6#

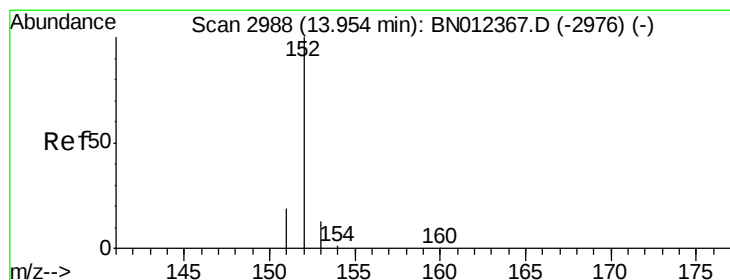
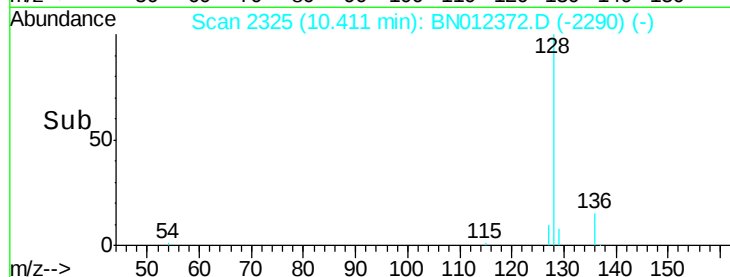
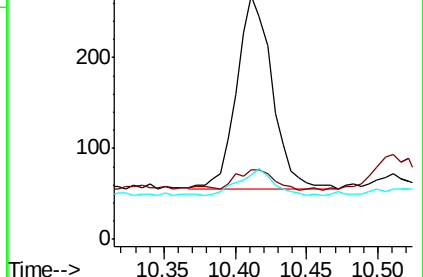
127 26.5 11.4 17.2#



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: 0.186 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. 0.00 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

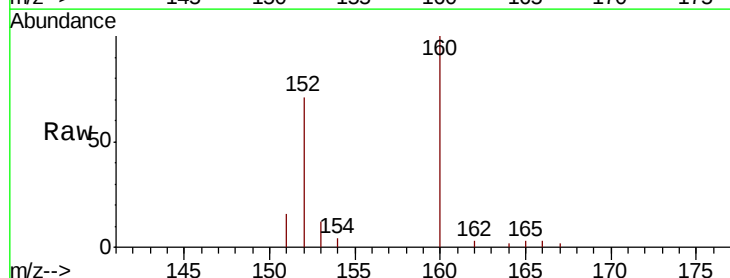
Tgt Ion:152 Resp: 2608

Ion Ratio Lower Upper

152 100

151 22.8 16.6 24.8

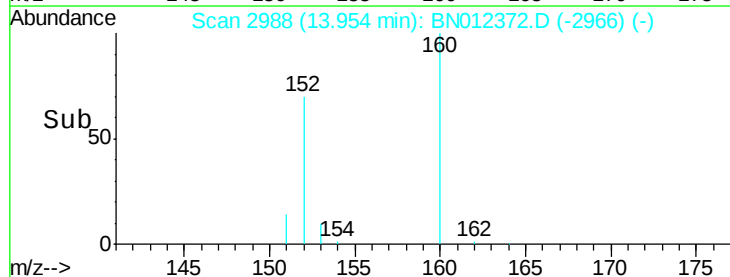
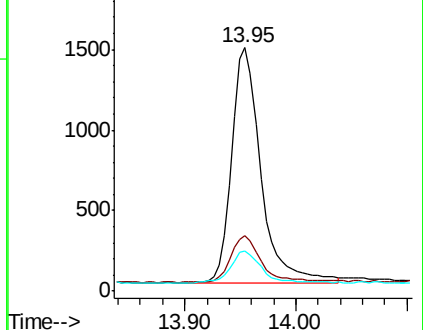
153 16.5 11.4 17.0

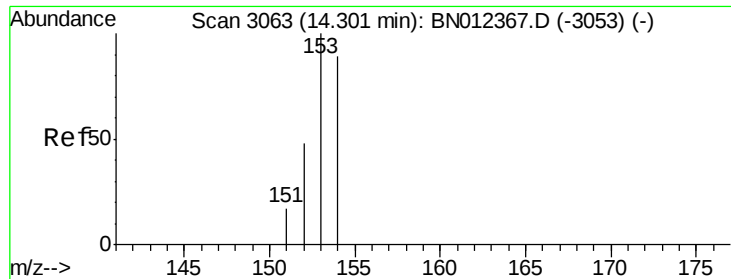


Abundance Ion 152.00 (151.70 to 152.70): E

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# 3062

Delta R.T. -0.00 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

Instrument :

BNA_N

ClientSampleId :

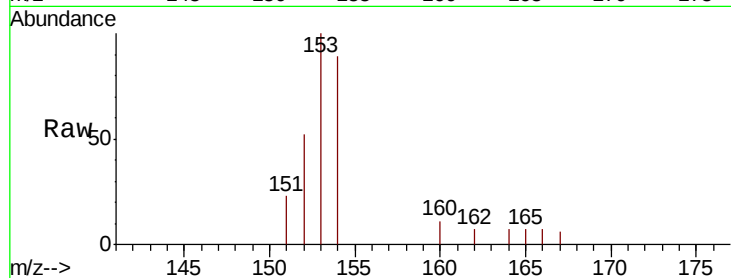
Tot Ion:153 Resp: 1179

Ion Ratio Lower Upper

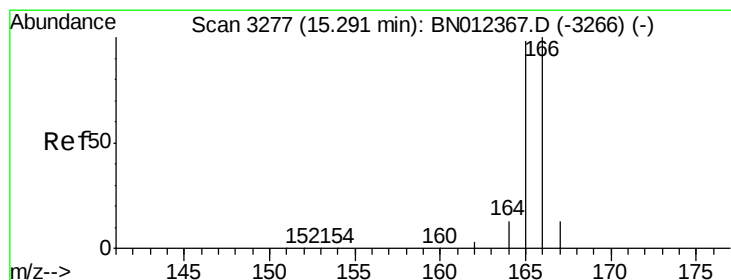
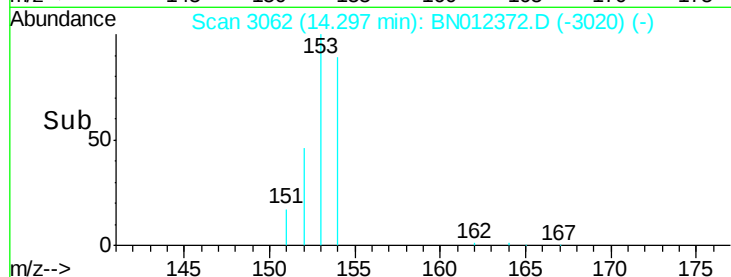
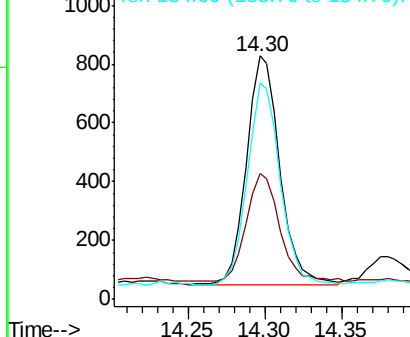
153 100

152 51.6 38.5 57.7

154 88.9 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: 0.171 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. 0.00 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

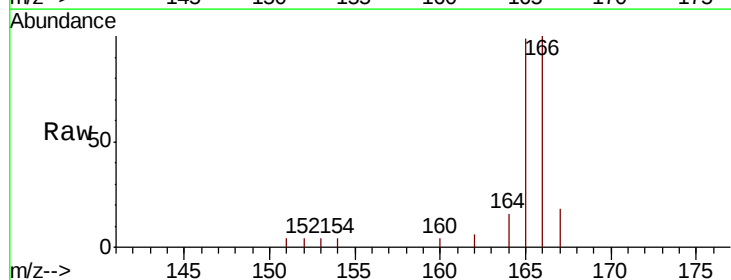
Tgt Ion:166 Resp: 2261

Ion Ratio Lower Upper

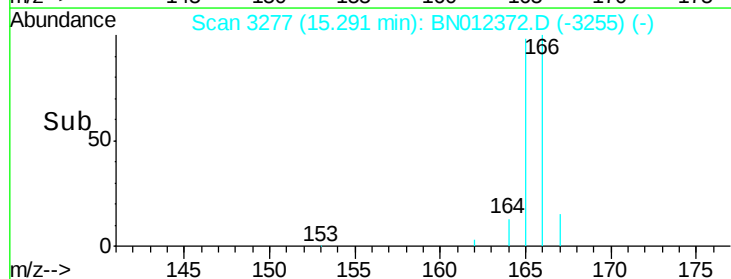
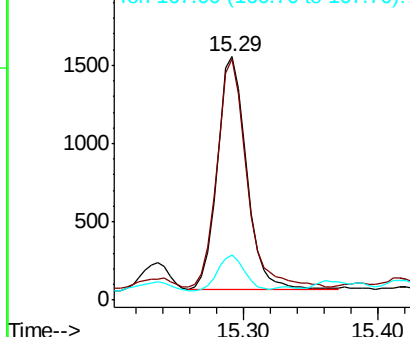
166 100

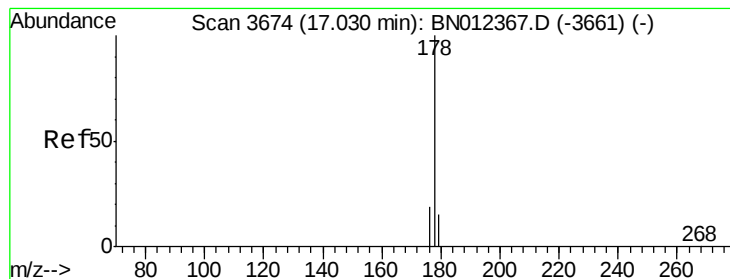
165 98.8 76.3 114.5

167 18.4 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: 2.499 ng/ul

RT: 17.03 min Scan# 3673

Delta R.T. -0.00 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

Instrument :

BNA_N

ClientSampleId :

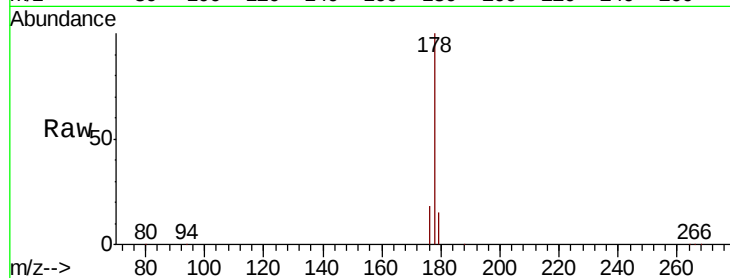
Tot Ion:178 Resp: 51559

Ion Ratio Lower Upper

178 100

179 15.4 13.1 19.7

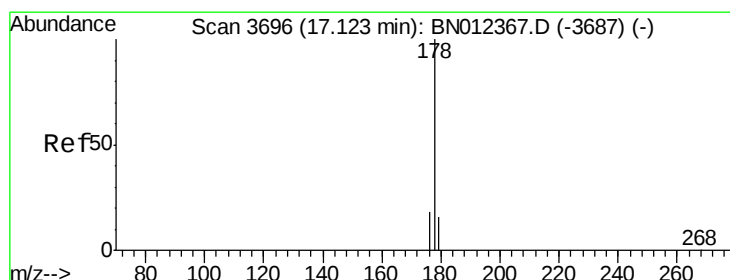
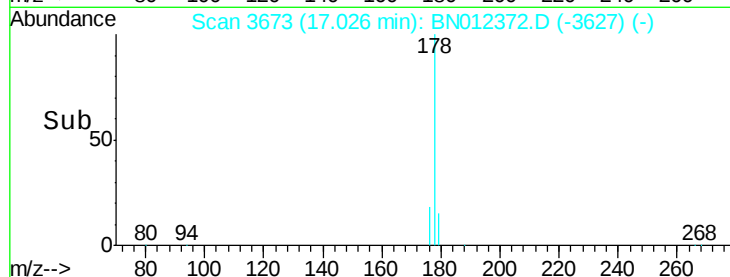
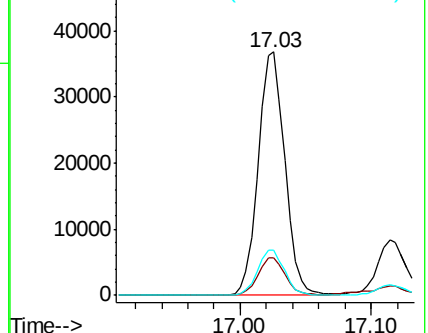
176 18.3 15.8 23.8



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: 0.666 ng/ul

RT: 17.11 min Scan# 3694

Delta R.T. -0.01 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

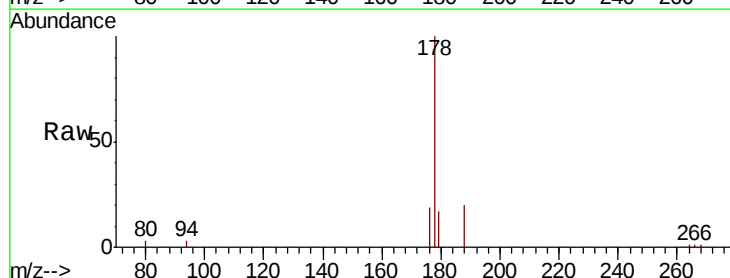
Tgt Ion:178 Resp: 11791

Ion Ratio Lower Upper

178 100

179 16.6 13.1 19.7

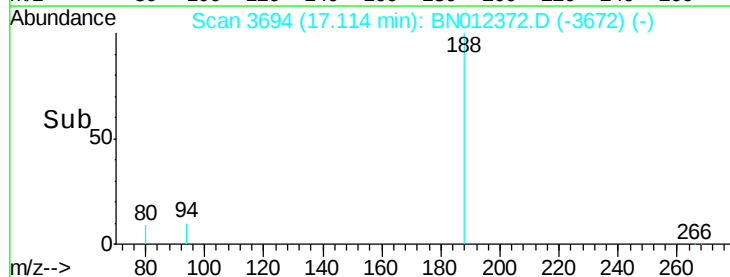
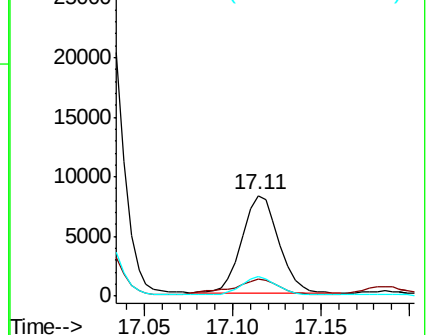
176 18.9 15.4 23.2

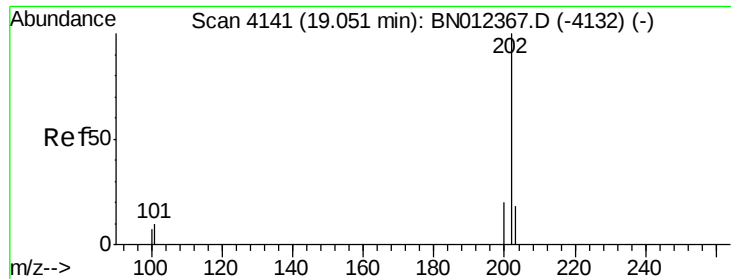


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

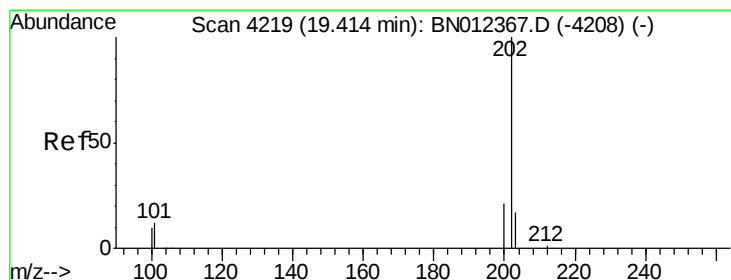
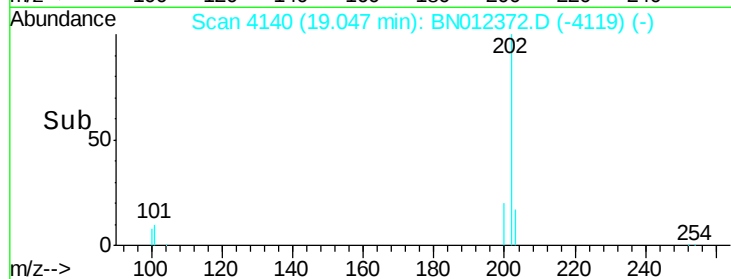
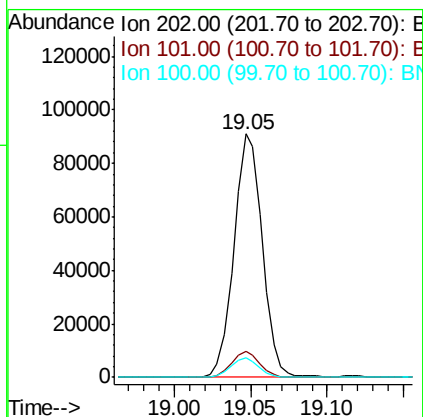
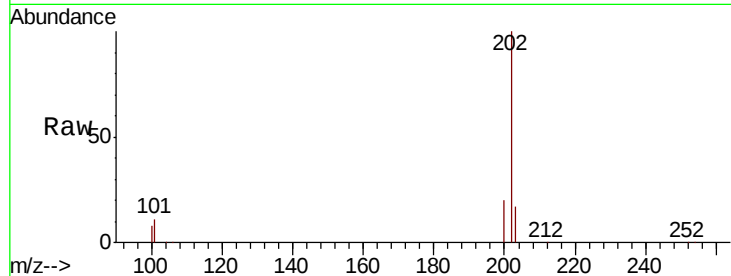




#15
Fluoranthene
 Concen: 4.850 ng/ul
 RT: 19.05 min Scan# 4140
 Delta R.T. -0.00 min
 Lab File: BN012372.D
 Acq: 20 Oct 2020 04:13

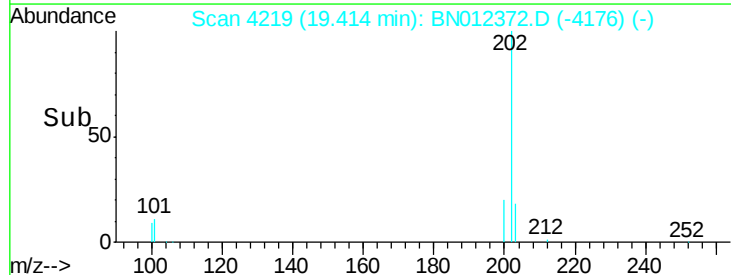
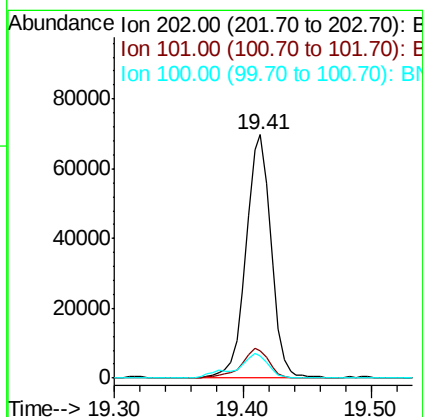
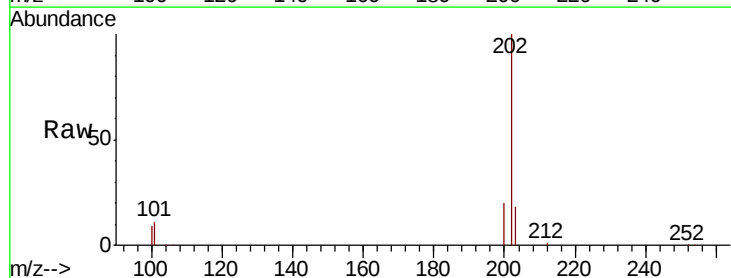
Instrument :
 BNA_N
 ClientSampleId :

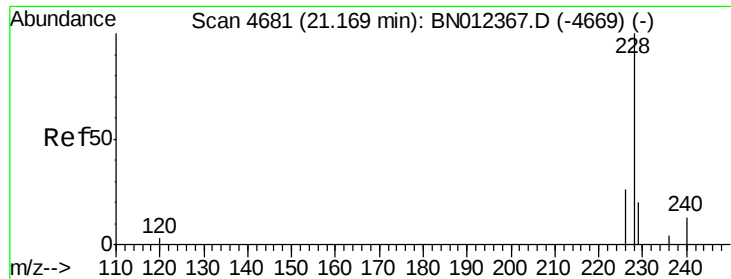
Tot Ion:202 Resp: 117027
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.1
 100 8.1 0.0 28.7



#17
Pyrene
 Concen: 3.598 ng/ul
 RT: 19.41 min Scan# 4219
 Delta R.T. 0.00 min
 Lab File: BN012372.D
 Acq: 20 Oct 2020 04:13

Tgt Ion:202 Resp: 94015
 Ion Ratio Lower Upper
 202 100
 101 11.4 9.6 14.4
 100 9.3 7.8 11.8





#18

Benzo(a)anthracene

Concen: 2.571 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. -0.00 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

Instrument :

BNA_N

ClientSampleId :

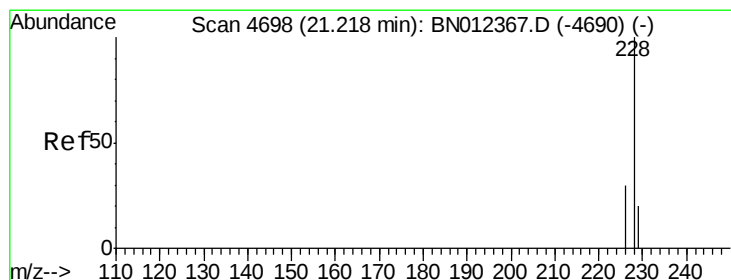
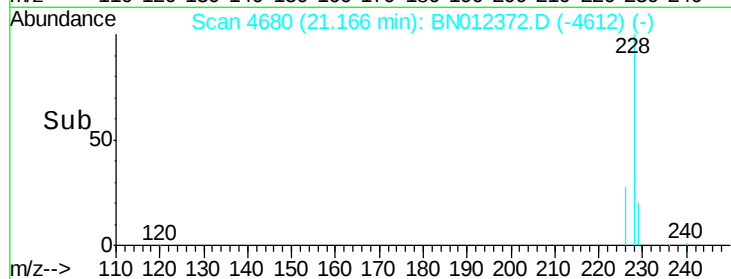
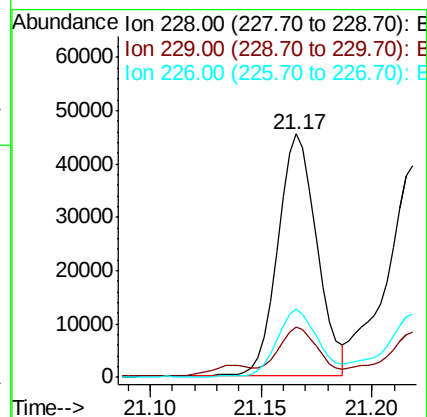
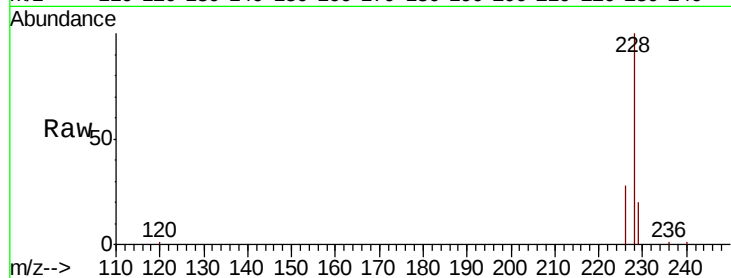
Tot Ion:228 Resp: 55189

Ion Ratio Lower Upper

228 100

229 20.4 16.2 24.4

226 28.0 21.2 31.8



#19

Chrysene

Concen: 2.202 ng/ul

RT: 21.22 min Scan# 4698

Delta R.T. 0.00 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

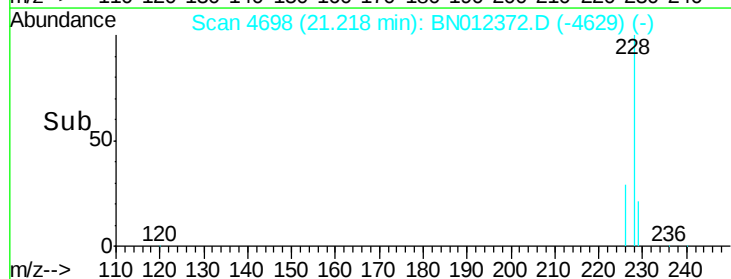
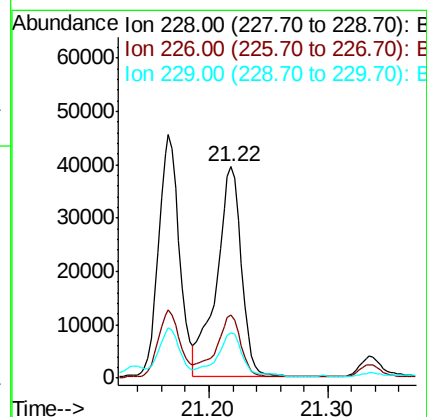
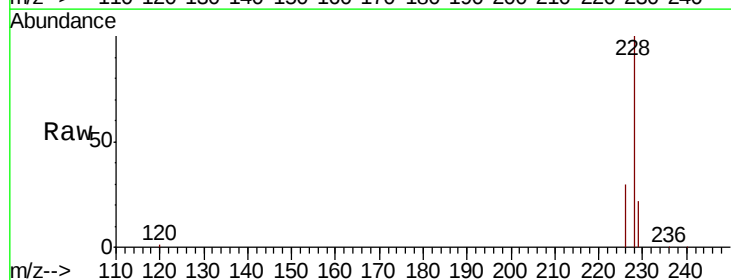
Tgt Ion:228 Resp: 57577

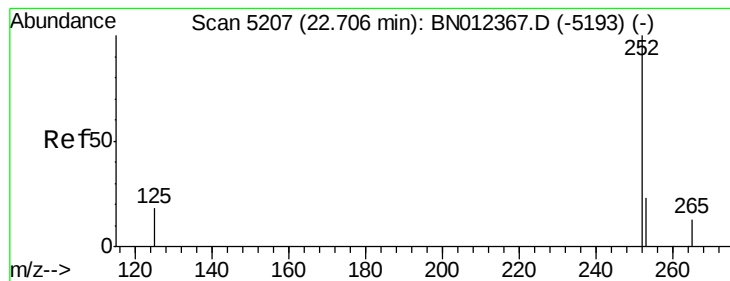
Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 21.7 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 4.652 ng/u1

RT: 22.71 min Scan# 5208

Delta R.T. 0.00 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

Instrument :

BNA_N

ClientSampled :

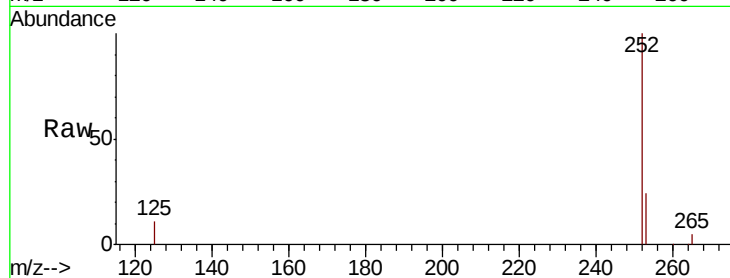
Tot Ion:252 Resp: 111377

Ion Ratio Lower Upper

252 100

253 23.7 0.0 56.4

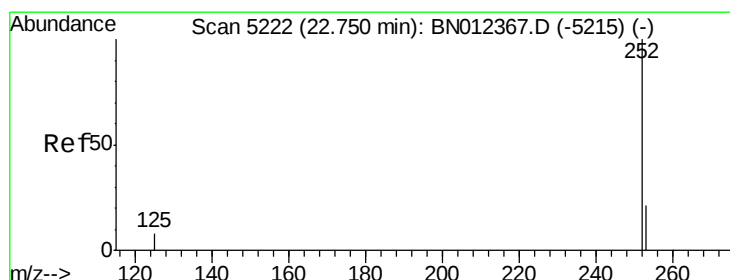
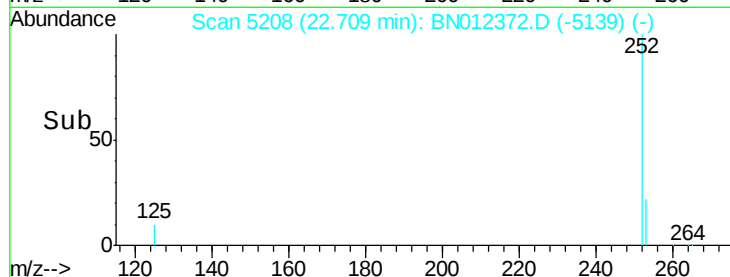
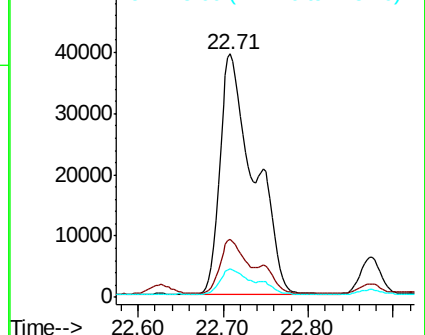
125 11.5 0.0 37.8



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: 4.203 ng/u1

RT: 22.71 min Scan# 5208

Delta R.T. -0.04 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

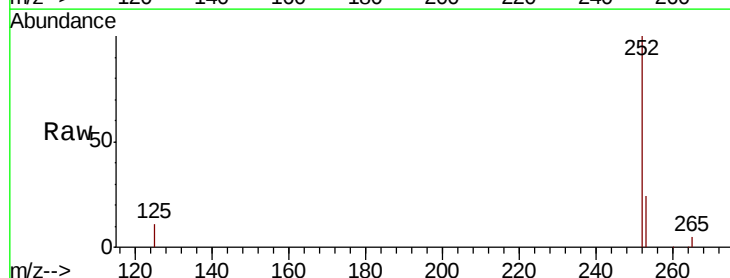
Tgt Ion:252 Resp: 111377

Ion Ratio Lower Upper

252 100

253 23.7 22.2 33.4

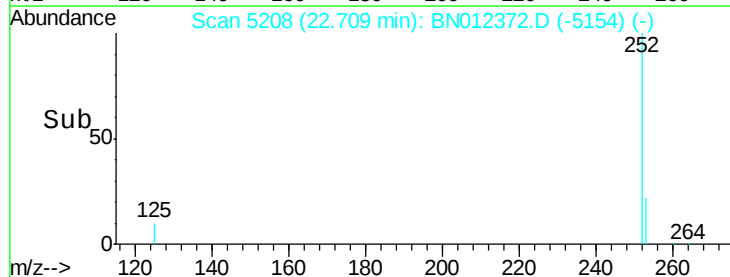
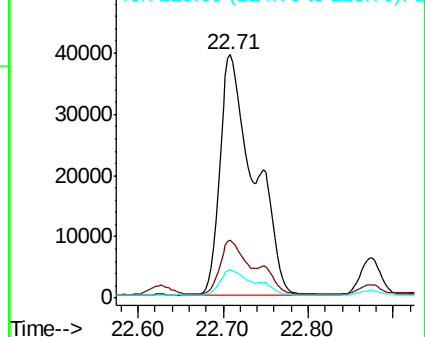
125 11.5 11.0 16.4

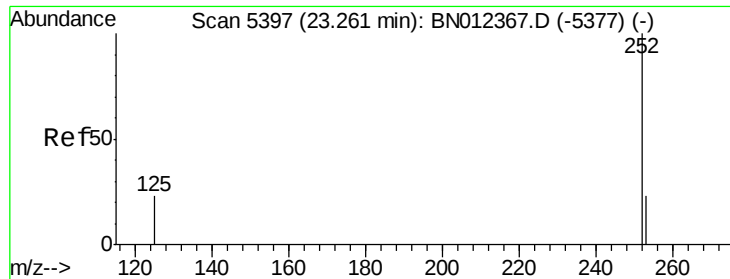


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.292 ng/ul

RT: 23.26 min Scan# 5397

Delta R.T. 0.00 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

Instrument :

BNA_N

ClientSampleId :

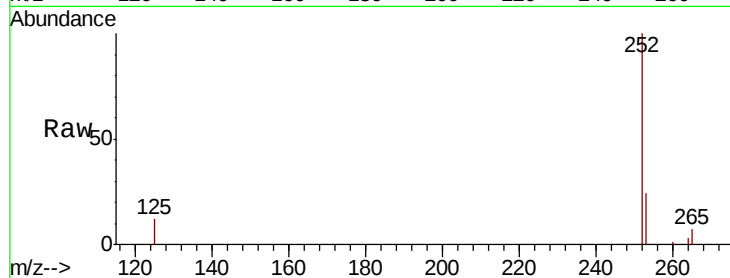
Tot Ion:252 Resp: 53384

Ion Ratio Lower Upper

252 100

253 24.3 23.8 35.6

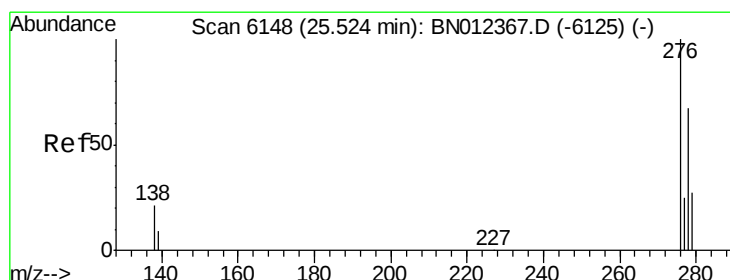
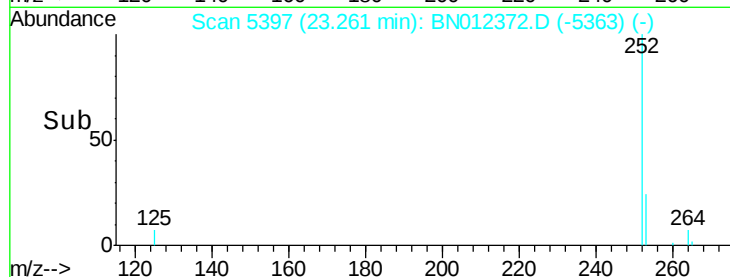
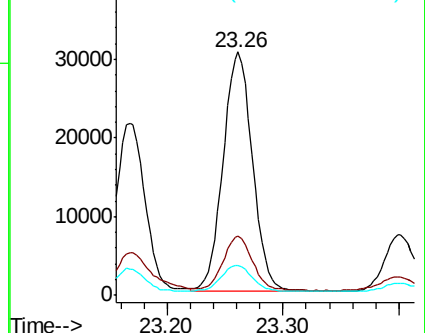
125 12.4 19.3 28.9#



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: 1.354 ng/ul

RT: 25.52 min Scan# 6146

Delta R.T. -0.01 min

Lab File: BN012372.D

Acq: 20 Oct 2020 04:13

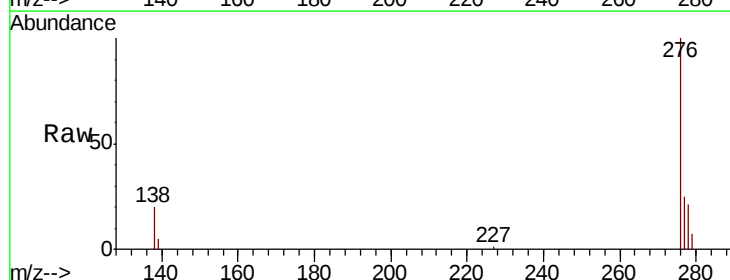
Tgt Ion:276 Resp: 40523

Ion Ratio Lower Upper

276 100

138 20.1 17.0 25.6

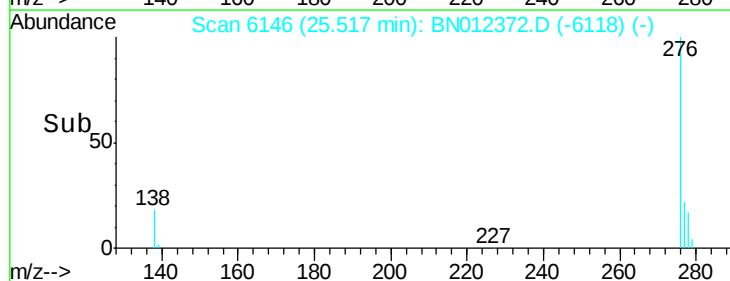
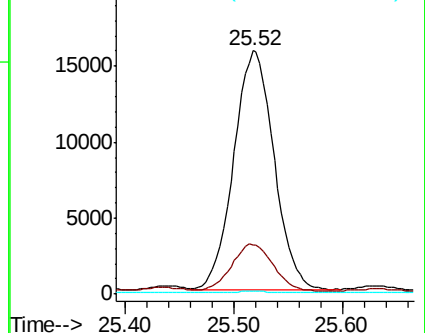
227 0.2 0.1 0.1#

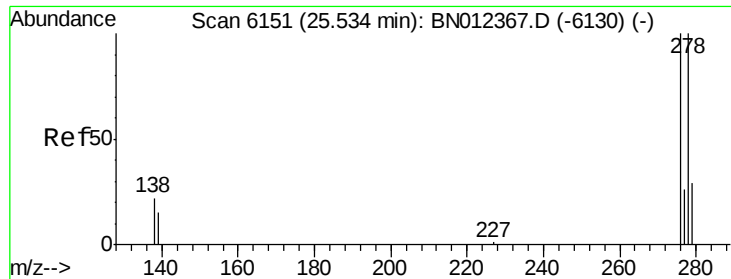


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

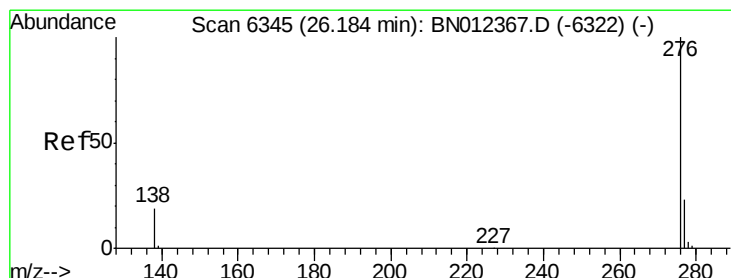
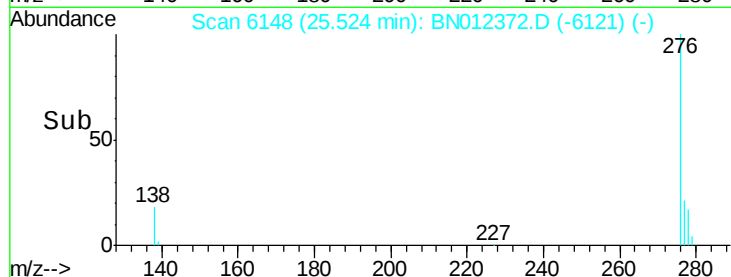
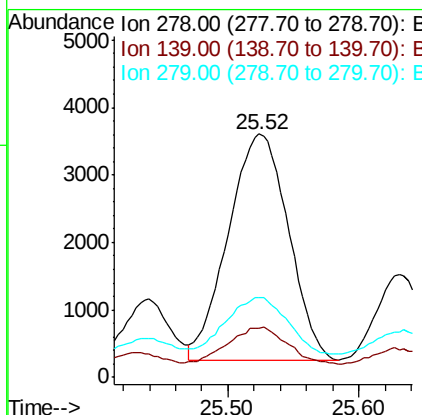
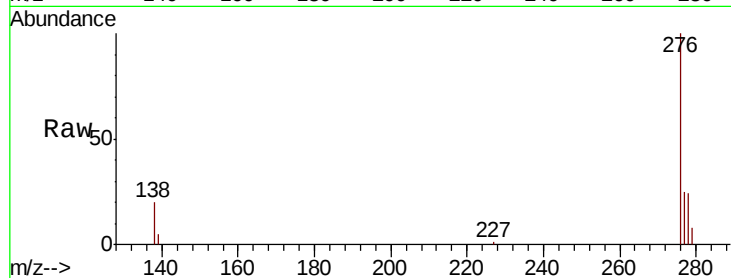




#25
Dibenzo(a,h)anthracene
Concen: 0.447 ng/ul
RT: 25.52 min Scan# 6148
Delta R.T. -0.01 min
Lab File: BN012372.D
Acq: 20 Oct 2020 04:13

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 10707
Ion Ratio Lower Upper
278 100
139 20.1 13.8 20.8
279 33.0 23.8 35.8



#26
Benzo(g,h,i)perylene
Concen: 1.235 ng/ul
RT: 26.18 min Scan# 6345
Delta R.T. 0.00 min
Lab File: BN012372.D
Acq: 20 Oct 2020 04:13

Tgt Ion:276 Resp: 33858
Ion Ratio Lower Upper
276 100
138 20.7 16.6 24.8
277 24.6 20.7 31.1

