

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012240.D
 Acq On : 15 Oct 2020 20:25
 Operator : CG/JU
 Sample : L4235-02
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 16 01:27:28 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 01:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1673	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	6942	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	4285	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	9498	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	7858	0.40	ng/ul	0.00
20) Perylene-d12	23.41	264	8417	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	1746	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	4221	0.16	ng/ul	0.00

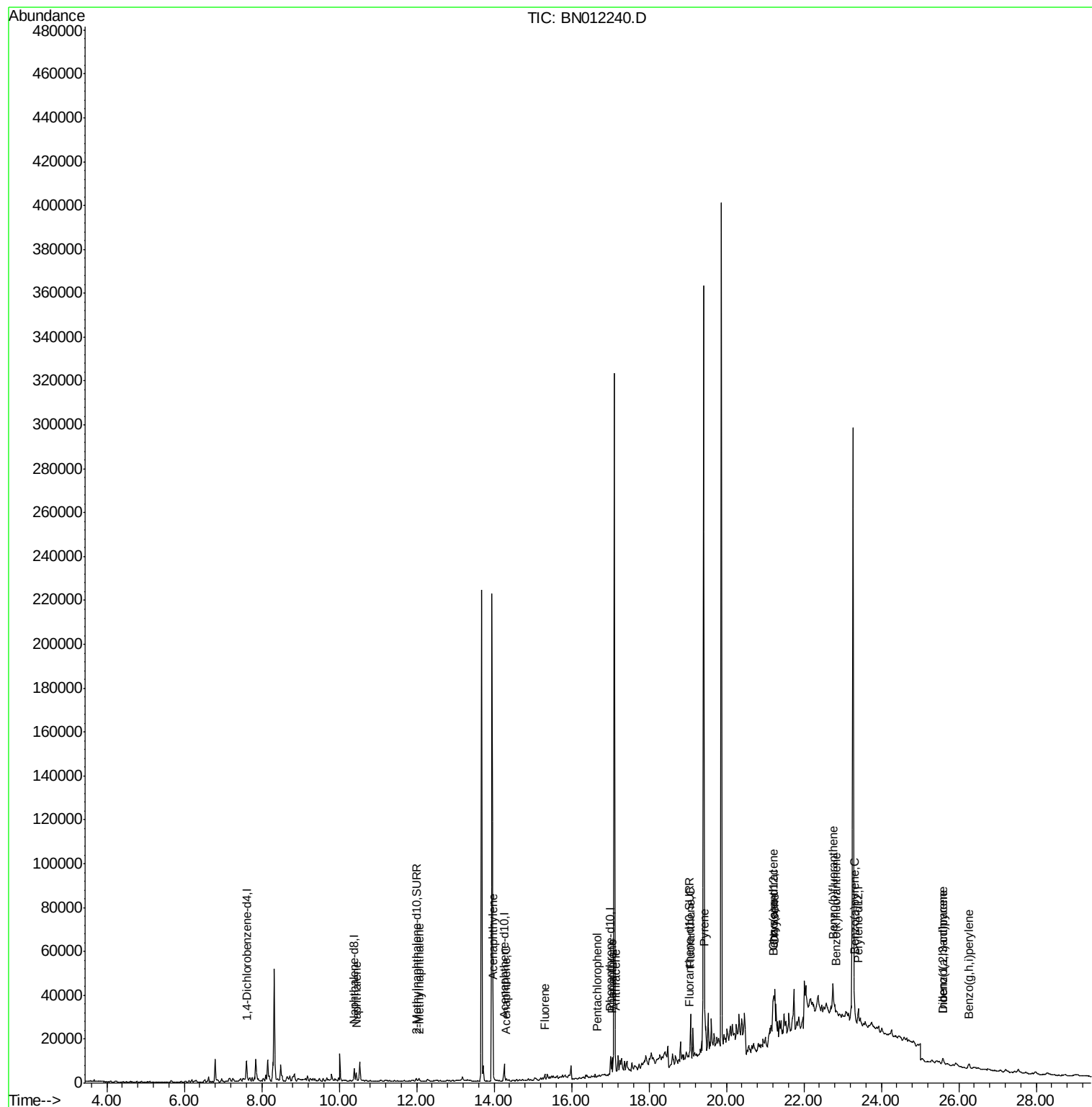
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	4833	0.241	ng/ul	99
5) 2-Methylnaphthalene	12.06	142	875	0.069	ng/ul	86
7) Acenaphthylene	13.98	152	532	0.029	ng/ul#	35
8) Acenaphthene	14.32	153	619	0.039	ng/ul	92
9) Fluorene	15.31	166	1141	0.065	ng/ul#	80
11) Pentachlorophenol	16.66	266	128	0.047	ng/ul#	90
12) Phenanthrene	17.05	178	8891	0.294	ng/ul#	82
13) Anthracene	17.14	178	987	0.038	ng/ul#	35
15) Fluoranthene	19.07	202	17592	0.497	ng/ul	89
17) Pyrene	19.44	202	21715	0.613	ng/ul#	85
18) Benzo(a)anthracene	21.20	228	8724	0.300	ng/ul#	13
19) Chrysene	21.25	228	17494	0.493	ng/ul#	48
21) Benzo(b)fluoranthene	22.75	252	17044	0.501	ng/ul#	1
22) Benzo(k)fluoranthene	22.83	252	1120	0.030	ng/ul#	1
23) Benzo(a)pyrene	23.31	252	5370	0.162	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.59	276	3880	0.091	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.60	278	1826	0.054	ng/ul#	1
26) Benzo(g,h,i)perylene	26.26	276	4026	0.103	ng/ul#	7

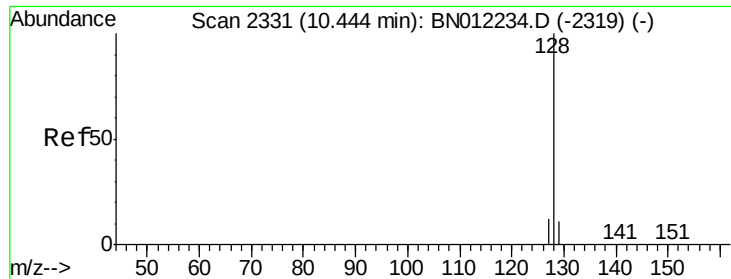
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 16 01:19:50 2020
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#3

Naphthalene

Concen: 0.241 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.01 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

Instrument :

BNA_N

ClientSampleId :

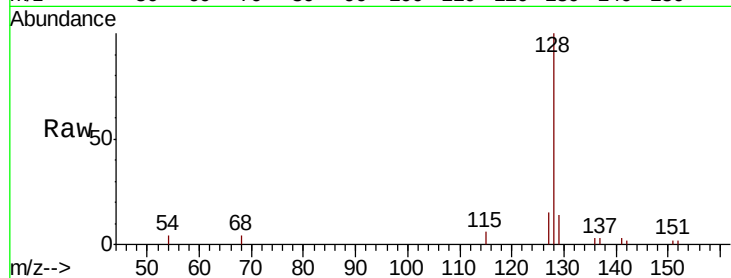
Tot Ion:128 Resp: 4833

Ion Ratio Lower Upper

128 100

129 13.7 10.3 15.5

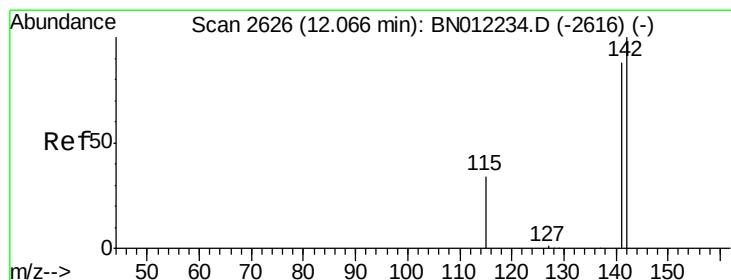
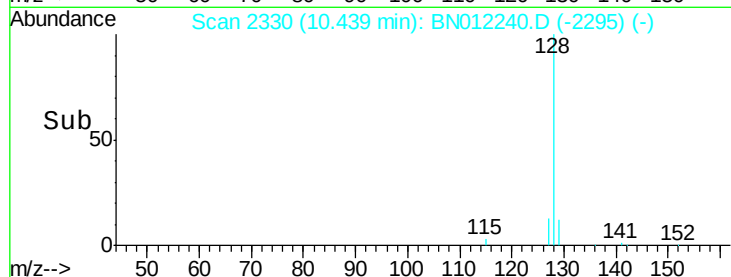
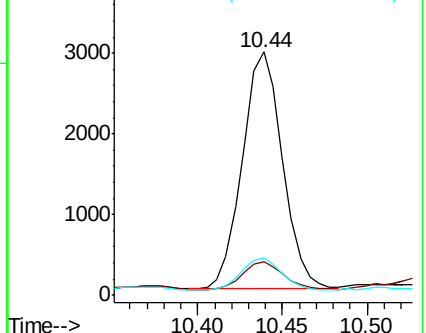
127 15.2 11.9 17.9



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: 0.069 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BN012240.D

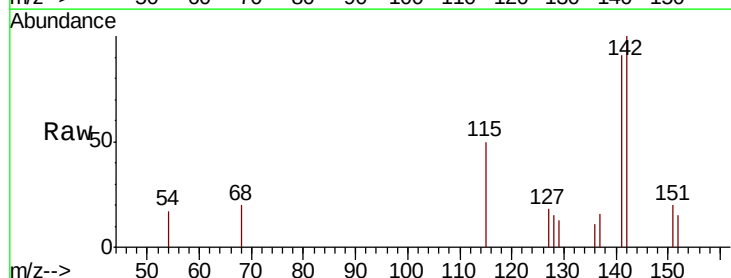
Acq: 15 Oct 2020 20:25

Tgt Ion:142 Resp: 875

Ion Ratio Lower Upper

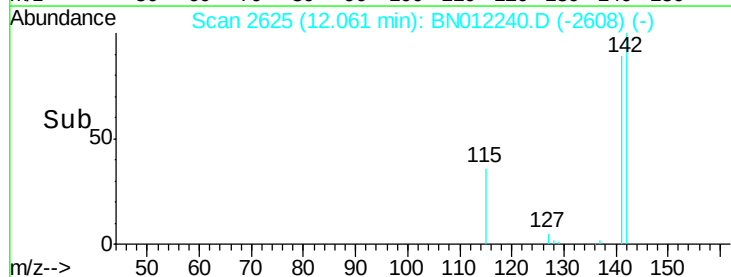
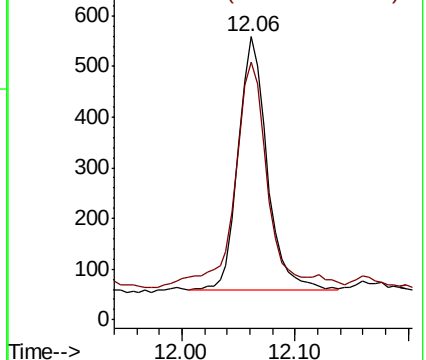
142 100

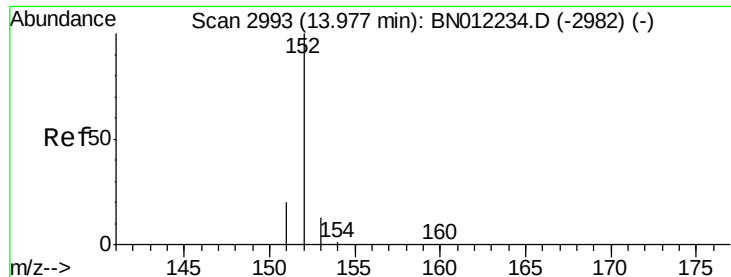
141 102.9 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.029 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

Instrument :

BNA_N

ClientSampleId :

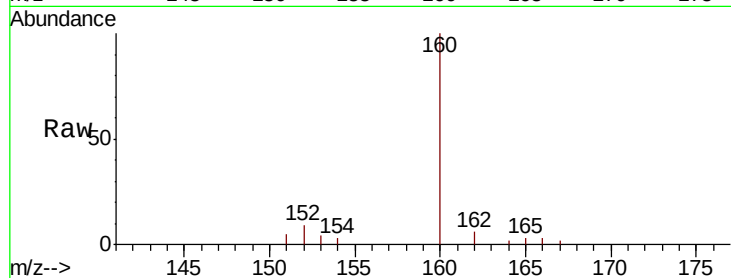
Tot Ion:152 Resp: 532

Ion Ratio Lower Upper

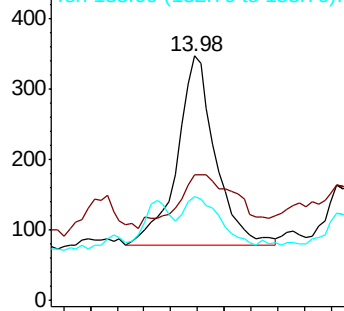
152 100

151 51.0 16.7 25.1#

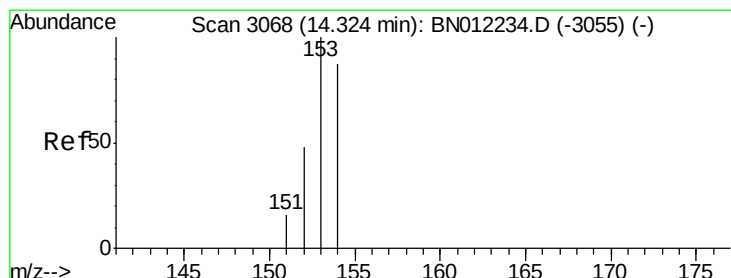
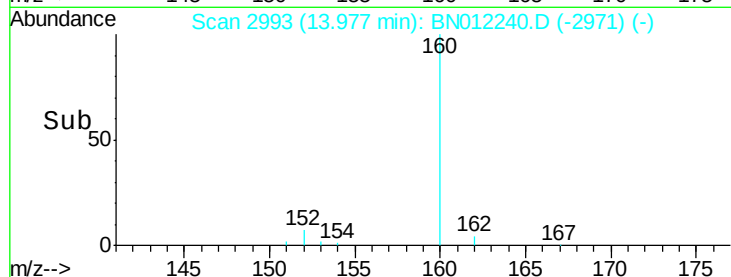
153 42.1 11.8 17.8#



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



Time-->



#8

Acenaphthene

Concen: 0.039 ng/ul

RT: 14.32 min Scan# 3067

Delta R.T. -0.00 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

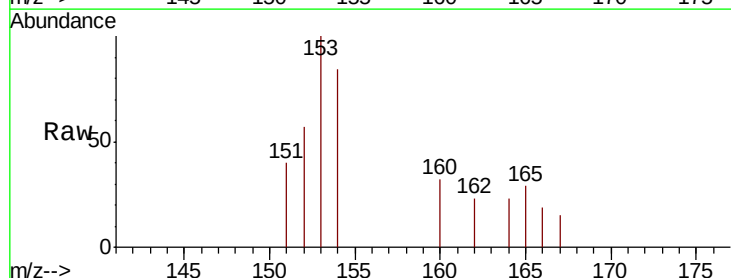
Tgt Ion:153 Resp: 619

Ion Ratio Lower Upper

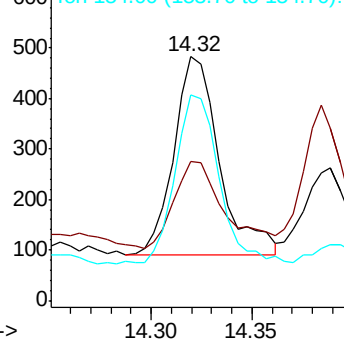
153 100

152 57.1 38.2 57.2

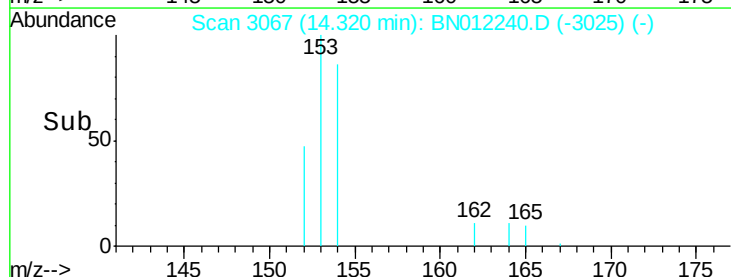
154 84.5 71.1 106.7

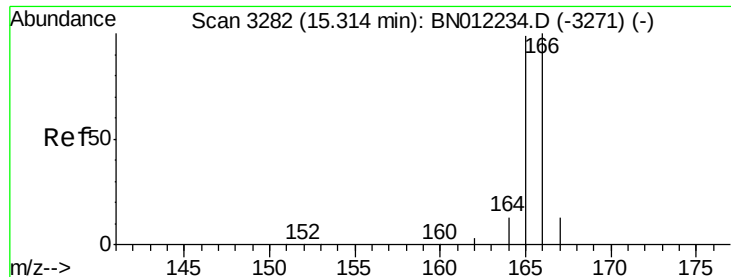


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.065 ng/ul

RT: 15.31 min Scan# 3281

Delta R.T. -0.00 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

Instrument :

BNA_N

ClientSampleId :

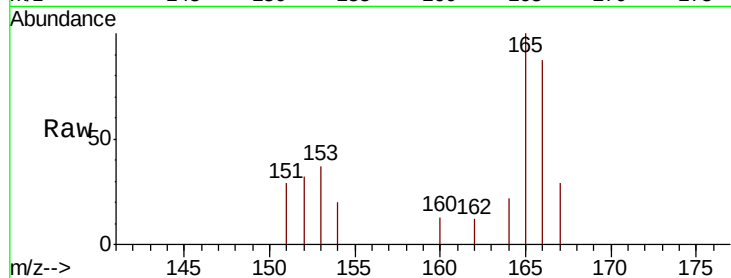
Tot Ion:166 Resp: 1141

Ion Ratio Lower Upper

166 100

165 114.7 78.6 118.0

167 33.4 11.9 17.9#

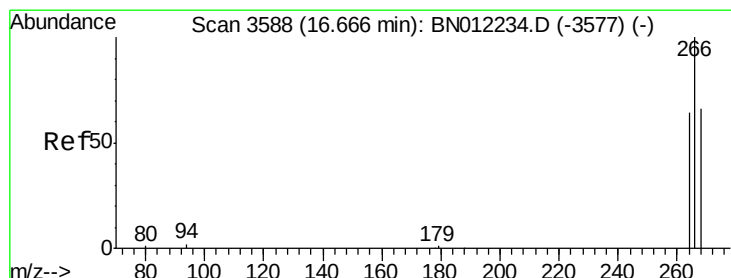
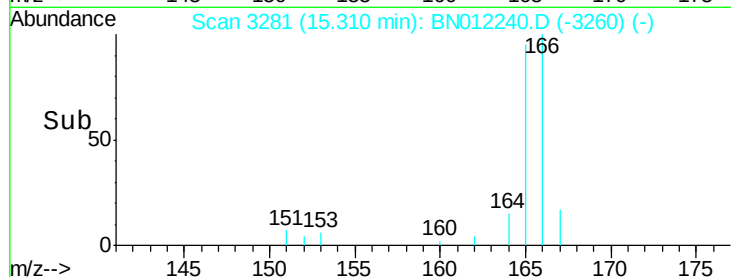
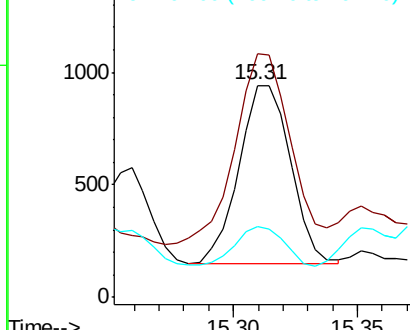


Abundance

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



#11

Pentachlorophenol

Concen: 0.047 ng/ul

RT: 16.66 min Scan# 3586

Delta R.T. -0.01 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

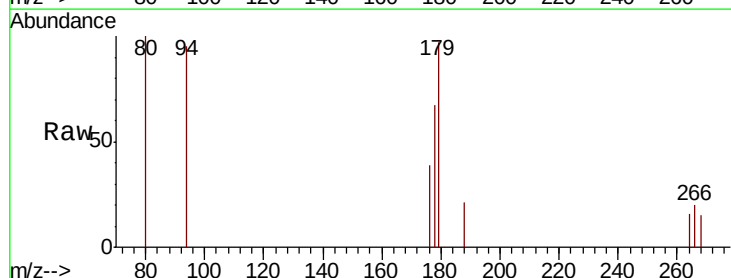
Tgt Ion:266 Resp: 128

Ion Ratio Lower Upper

266 100

264 77.3 50.3 75.5#

268 64.8 52.4 78.6

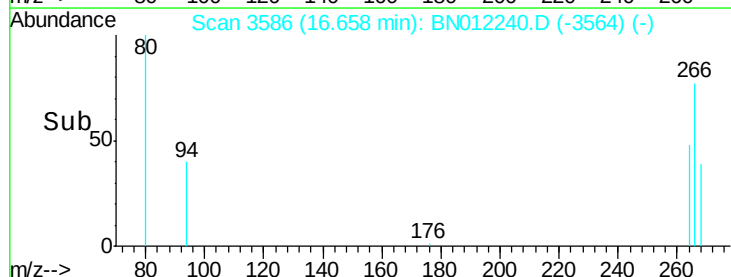
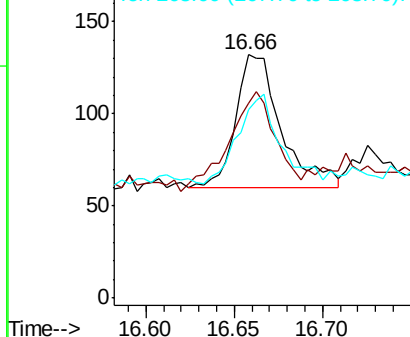


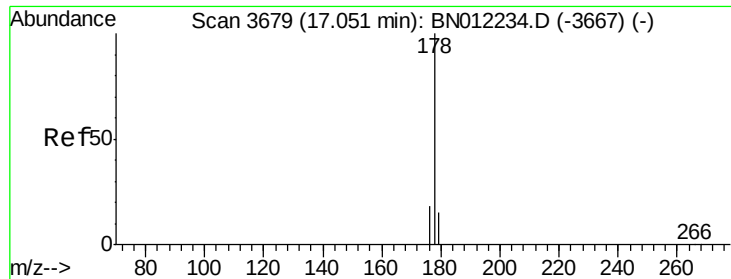
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.294 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

Instrument :

BNA_N

ClientSampleId :

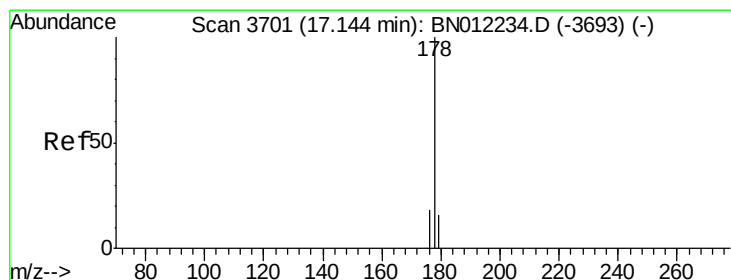
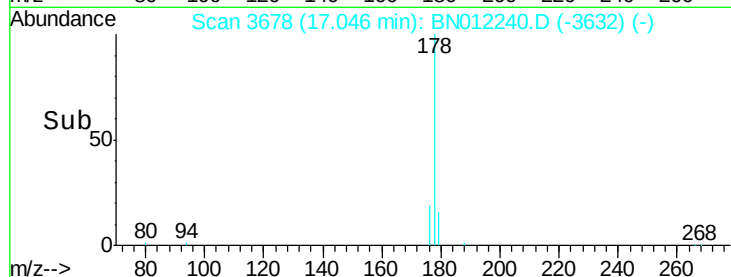
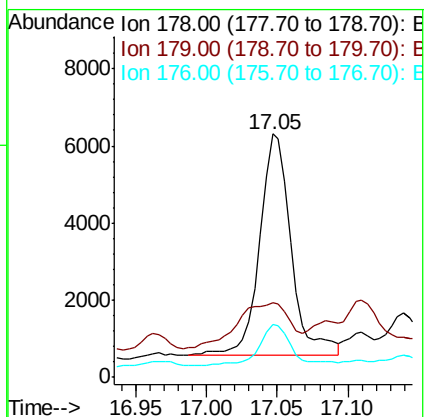
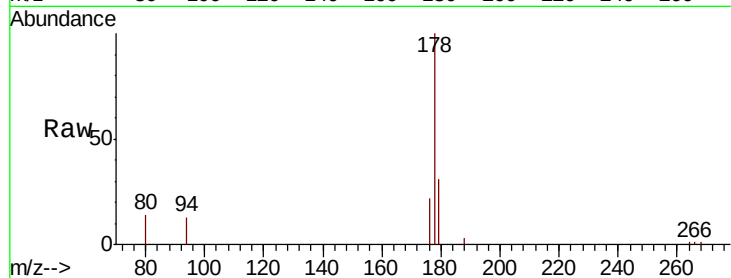
Tot Ion:178 Resp: 8891

Ion Ratio Lower Upper

178 100

179 30.6 13.4 20.2#

176 22.0 15.7 23.5



#13

Anthracene

Concen: 0.038 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

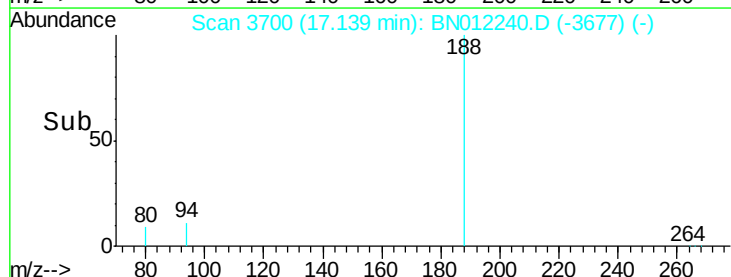
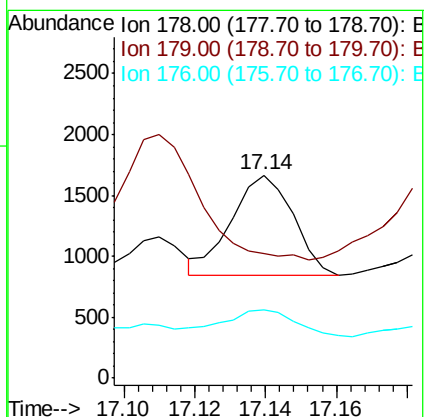
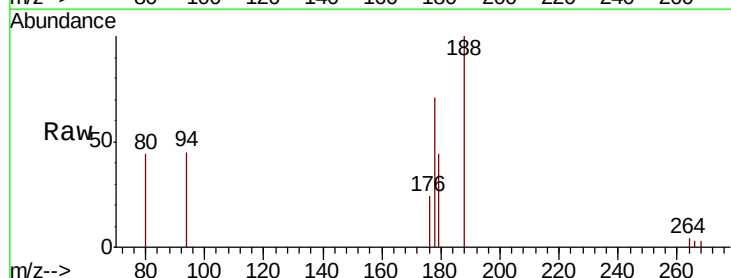
Tgt Ion:178 Resp: 987

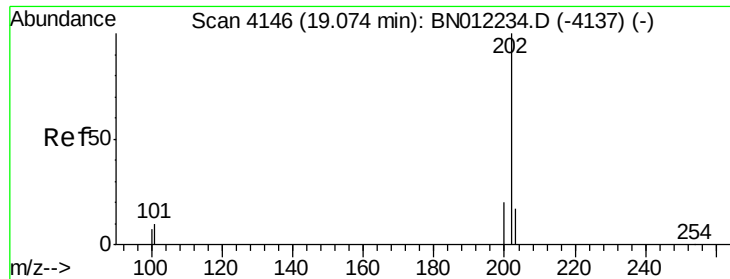
Ion Ratio Lower Upper

178 100

179 61.7 13.9 20.9#

176 33.7 15.4 23.0#





#15

Fluoranthene

Concen: 0.497 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

Instrument :

BNA_N

ClientSampleId :

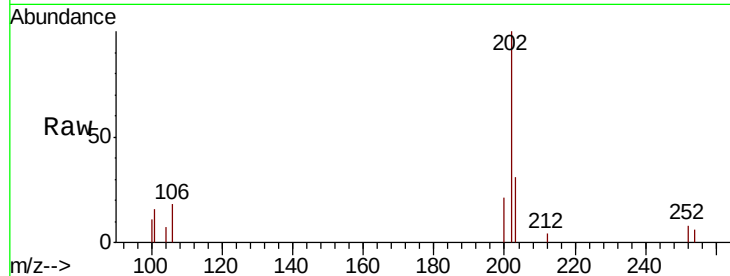
Tot Ion:202 Resp: 17592

Ion Ratio Lower Upper

202 100

101 16.5 0.0 31.0

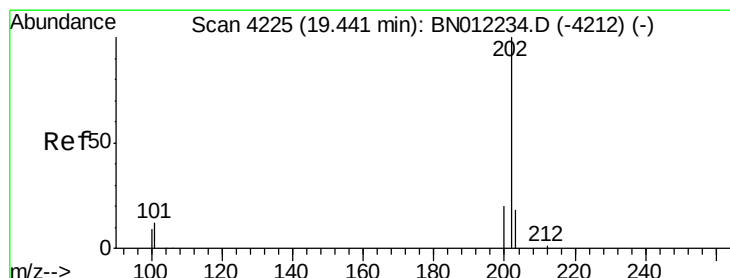
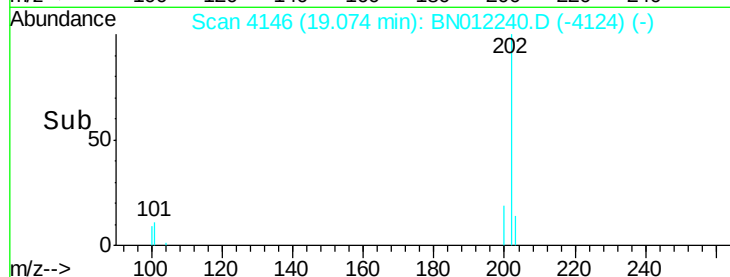
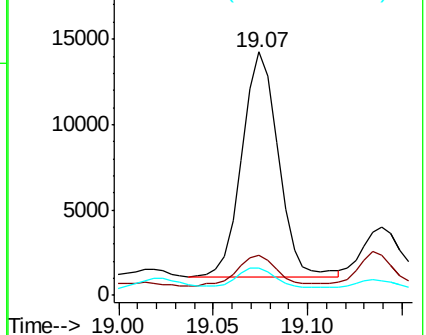
100 11.3 0.0 28.7



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: 0.613 ng/ul

RT: 19.44 min Scan# 4225

Delta R.T. 0.00 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

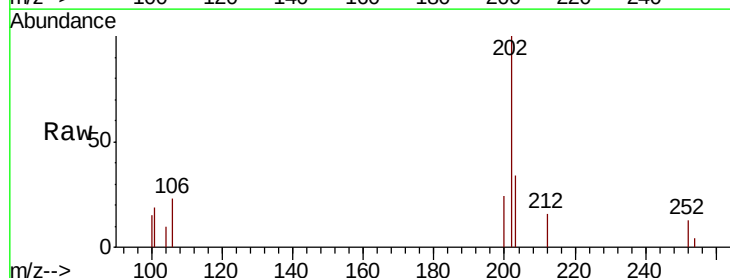
Tgt Ion:202 Resp: 21715

Ion Ratio Lower Upper

202 100

101 18.8 9.9 14.9#

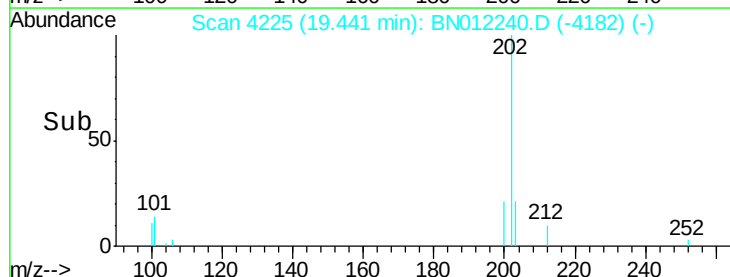
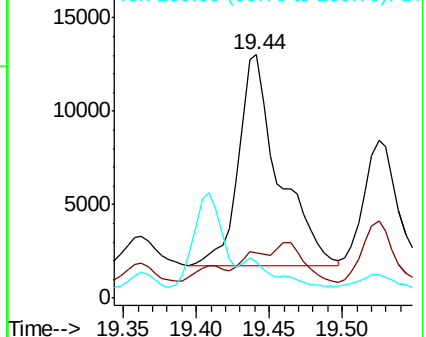
100 14.8 8.0 12.0#

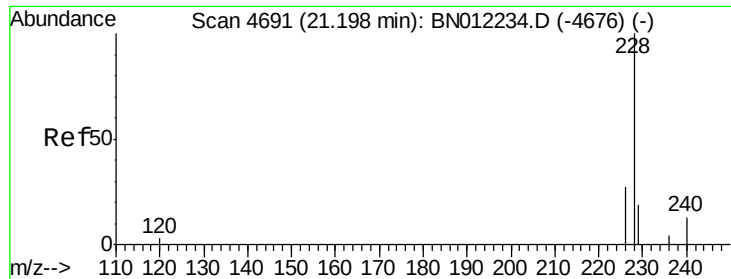


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.300 ng/ul

RT: 21.20 min Scan# 4691

Delta R.T. 0.00 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

Instrument :

BNA_N

ClientSampleId :

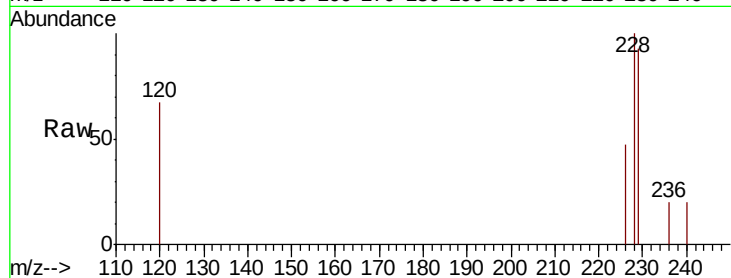
Tot Ion:228 Resp: 8724

Ion Ratio Lower Upper

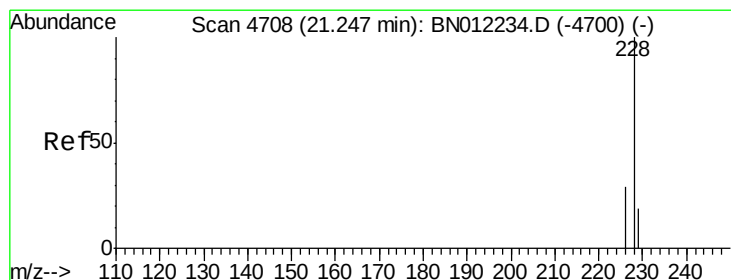
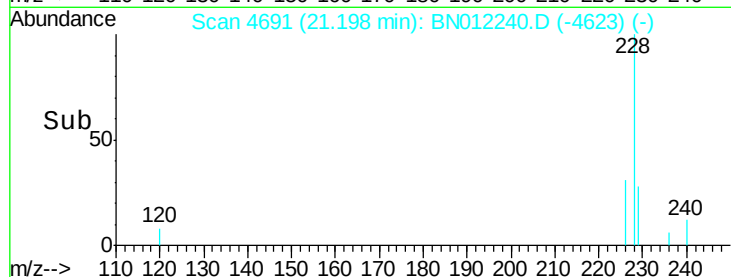
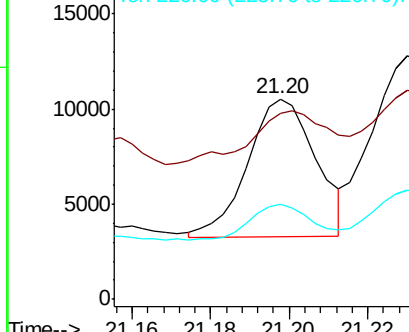
228 100

229 92.9 15.8 23.8#

226 47.2 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: 0.493 ng/ul

RT: 21.25 min Scan# 4708

Delta R.T. 0.00 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

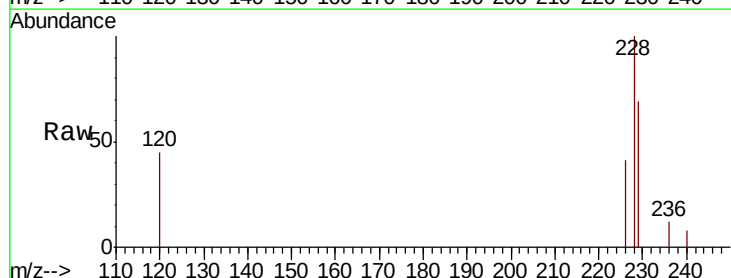
Tgt Ion:228 Resp: 17494

Ion Ratio Lower Upper

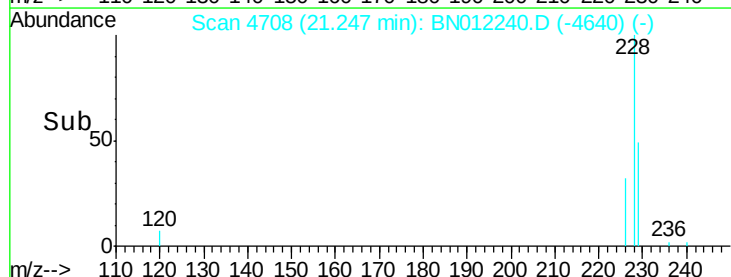
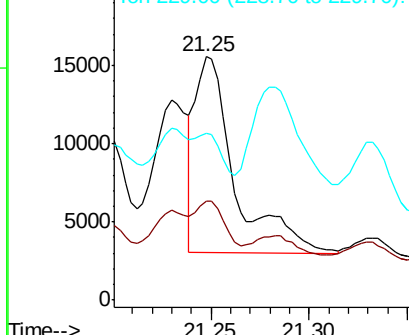
228 100

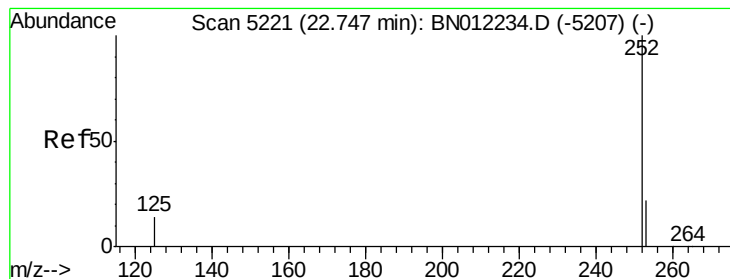
226 40.9 24.6 37.0#

229 68.7 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: 0.501 ng/ul

RT: 22.75 min Scan# 5223

Delta R.T. 0.01 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

Instrument :

BNA_N

ClientSampleId :

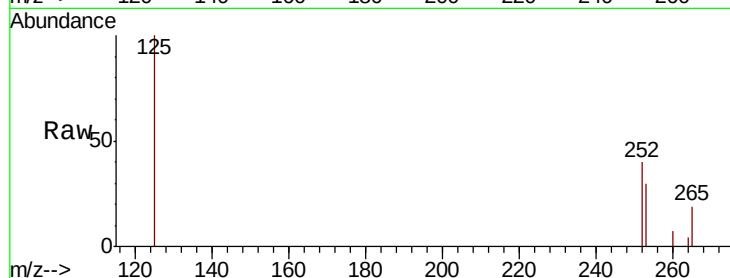
Tot Ion:252 Resp: 17044

Ion Ratio Lower Upper

252 100

253 74.5 0.0 61.6#

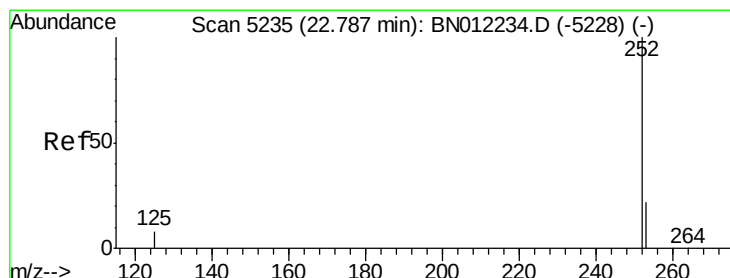
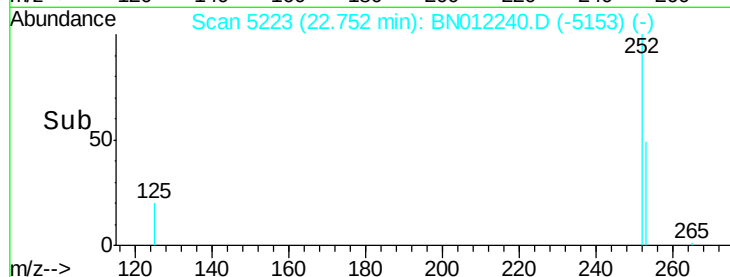
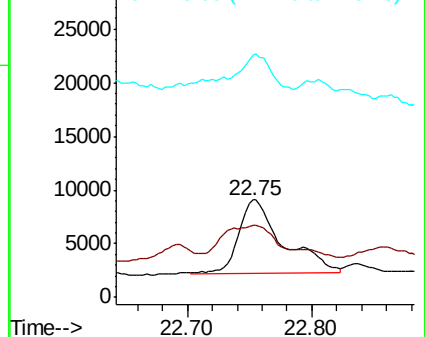
125 247.9 0.0 36.8#



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: 0.030 ng/ul

RT: 22.83 min Scan# 5251

Delta R.T. 0.05 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

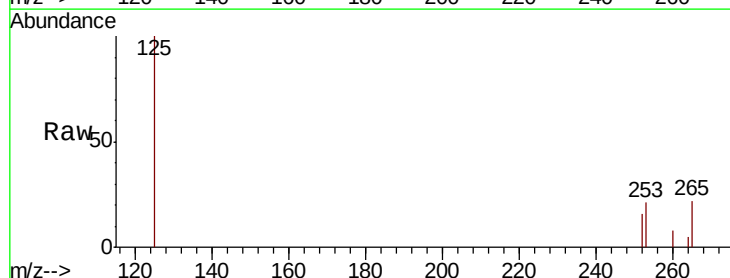
Tgt Ion:252 Resp: 1120

Ion Ratio Lower Upper

252 100

253 129.6 24.4 36.6#

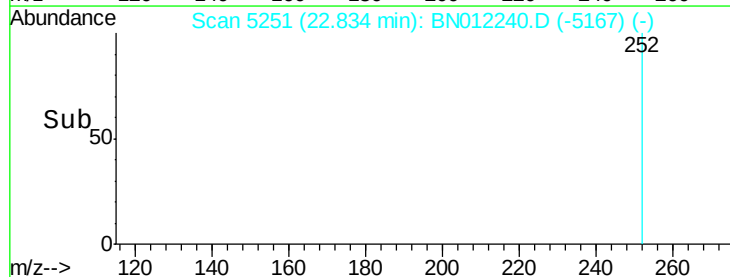
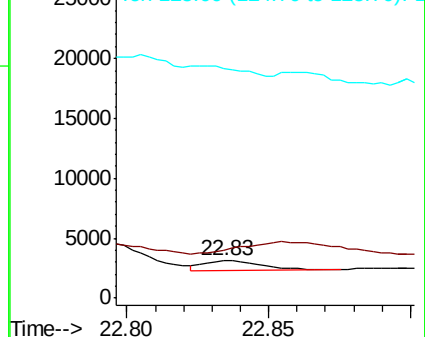
125 614.9 12.9 19.3#

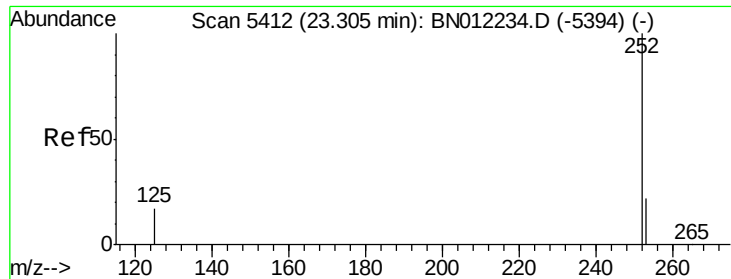


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.162 ng/ul

RT: 23.31 min Scan# 5414

Delta R.T. 0.01 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

Instrument :

BNA_N

ClientSampleId :

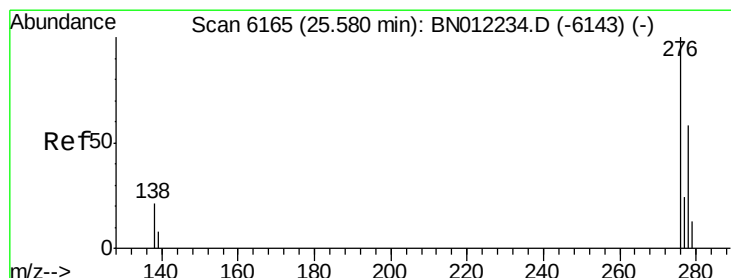
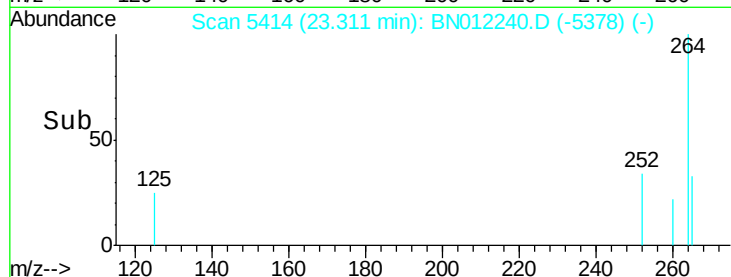
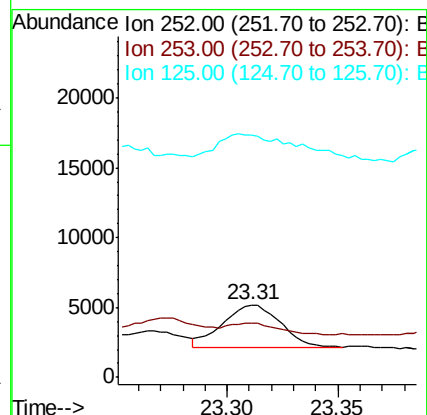
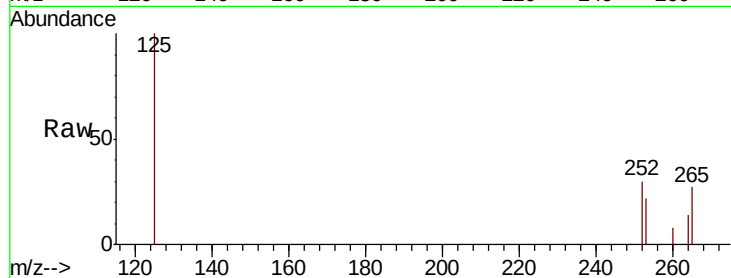
Tot Ion:252 Resp: 5370

Ion Ratio Lower Upper

252 100

253 74.3 27.0 40.4#

125 335.4 18.8 28.2#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.091 ng/ul

RT: 25.59 min Scan# 6168

Delta R.T. 0.01 min

Lab File: BN012240.D

Acq: 15 Oct 2020 20:25

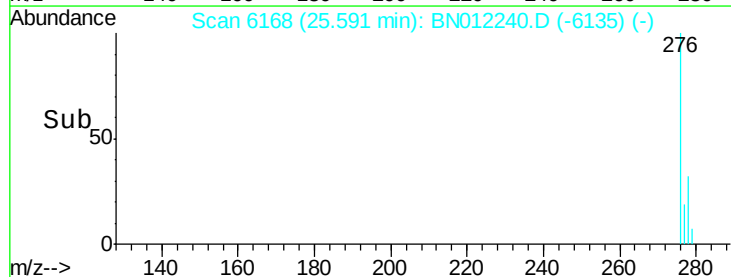
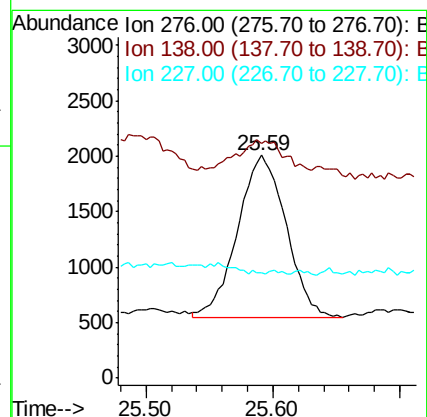
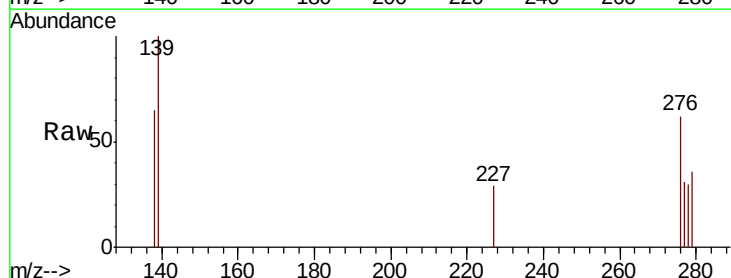
Tgt Ion:276 Resp: 3880

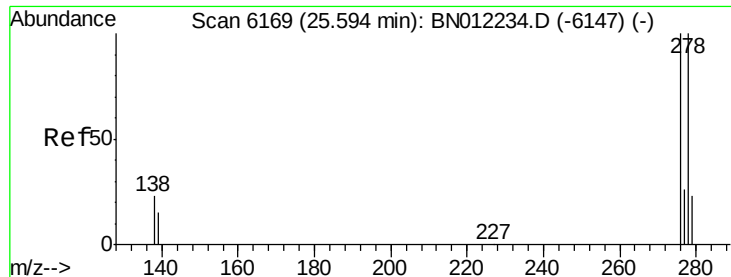
Ion Ratio Lower Upper

276 100

138 31.0 0.0 0.0#

227 0.7 0.0 0.0#

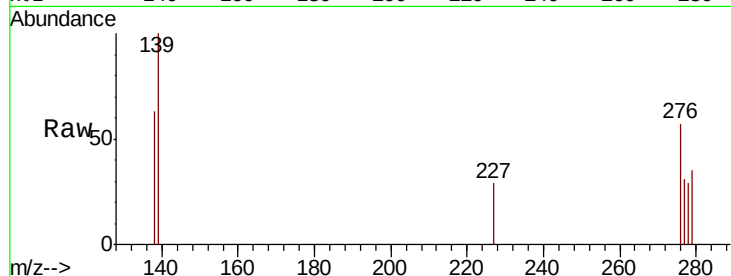




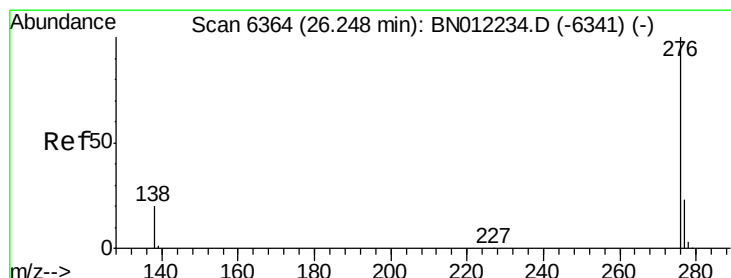
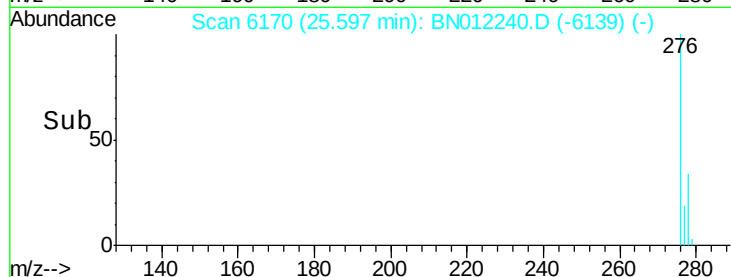
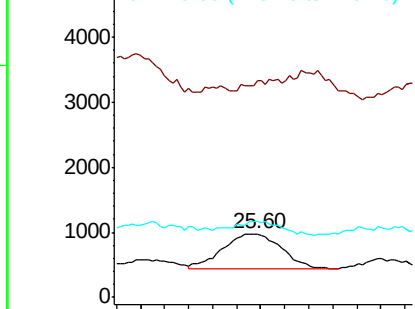
#25
Dibenzo(a,h)anthracene
Concen: 0.054 ng/ul
RT: 25.60 min Scan# 6170
Delta R.T. 0.00 min
Lab File: BN012240.D
Acq: 15 Oct 2020 20:25

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 1826
Ion Ratio Lower Upper
278 100
139 340.9 15.7 23.5#
279 119.0 26.0 39.0#

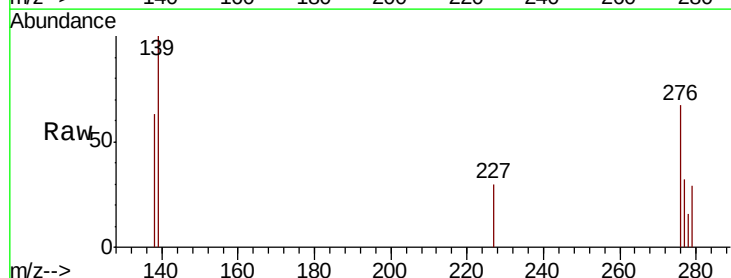


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.103 ng/ul
RT: 26.26 min Scan# 6369
Delta R.T. 0.02 min
Lab File: BN012240.D
Acq: 15 Oct 2020 20:25

Tgt Ion:276 Resp: 4026
Ion Ratio Lower Upper
276 100
138 94.3 17.1 25.7#
277 48.3 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

