

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012202.D
 Acq On : 14 Oct 2020 19:43
 Operator : CG/JU
 Sample : L4166-11DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 15 00:53:41 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 : Thu Oct 15 00:46:15 2020
 Response via : Initial Calibration

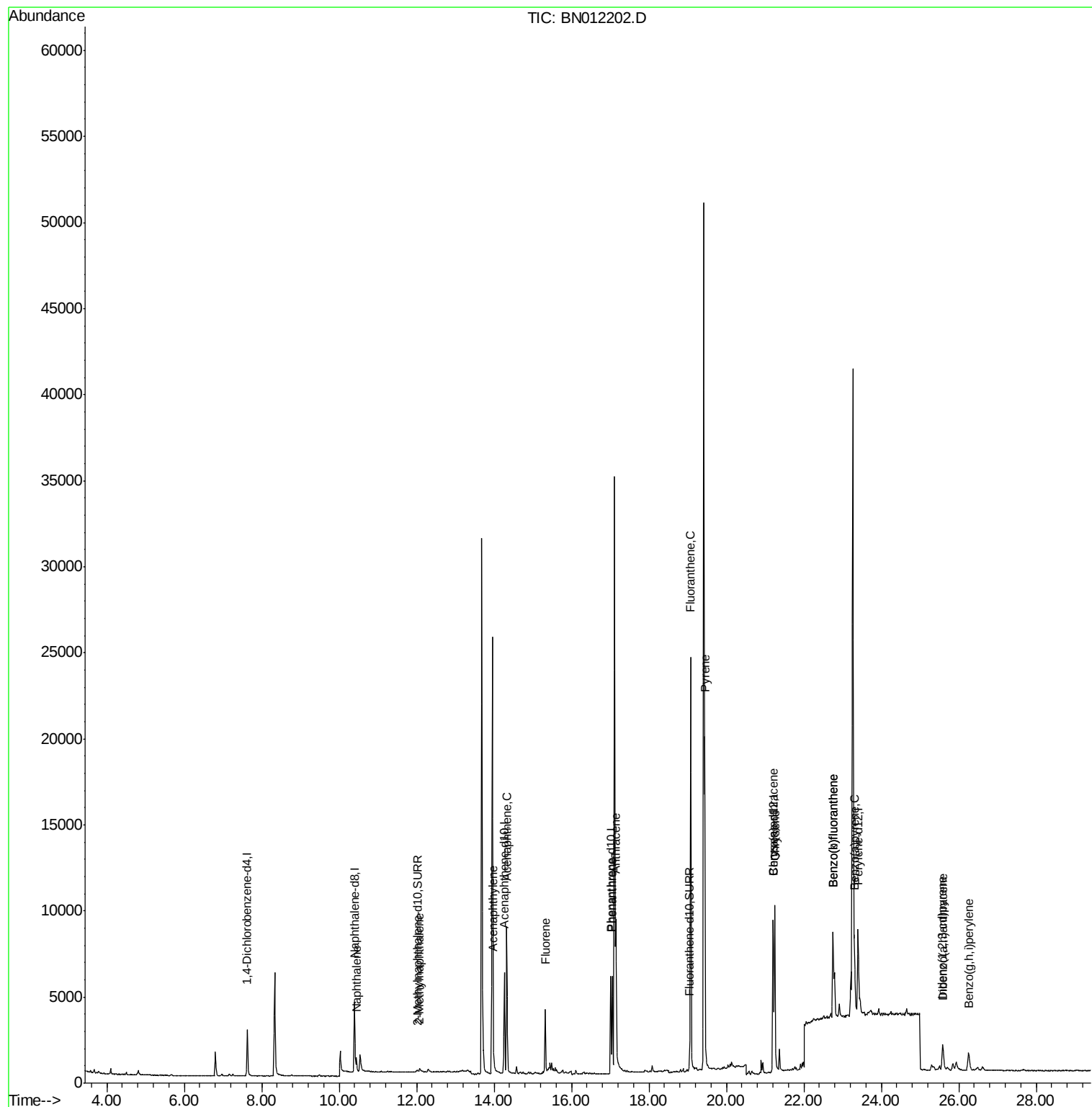
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1479	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	5788	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3250	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	6804	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	6002	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	6214	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	236	0.03	ng/ul	0.02
14) Fluoranthene-d10	19.05	212	555	0.03	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	1185	0.071	ng/ul#	88
5) 2-Methylnaphthalene	12.08	142	219	0.021	ng/ul	83
7) Acenaphthylene	13.98	152	421	0.030	ng/ul#	62
8) Acenaphthene	14.33	153	5180	0.435	ng/ul	100
9) Fluorene	15.32	166	2455	0.185	ng/ul	98
12) Phenanthrene	17.06	178	6051	0.279	ng/ul	100
13) Anthracene	17.14	178	8718	0.469	ng/ul	98
15) Fluoranthene	19.07	202	22015	0.868	ng/ul	100
17) Pyrene	19.44	202	16595	0.613	ng/ul	99
18) Benzo(a)anthracene	21.20	228	6502	0.292	ng/ul	98
19) Chrysene	21.25	228	9868	0.364	ng/ul	99
21) Benzo(b)fluoranthene	22.75	252	11110	0.443	ng/ul	92
22) Benzo(k)fluoranthene	22.75	252	11110	0.400	ng/ul#	89
23) Benzo(a)pyrene	23.30	252	4558	0.187	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.58	276	2580	0.082	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.60	278	730	0.029	ng/ul#	7
26) Benzo(a,h,i)perylene	26.25	276	2293	0.080	ng/ul#	86

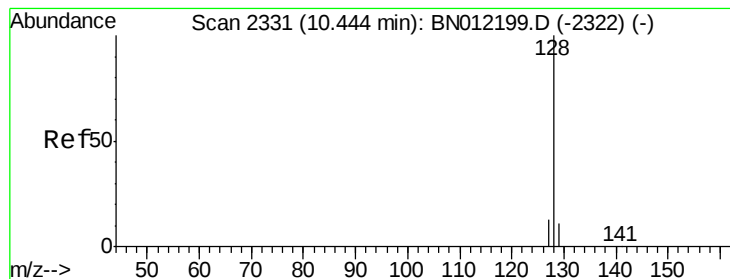
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.071 ng/ul

RT: 10.44 min Scan# 2331

Delta R.T. 0.00 min

Lab File: BN012202.D

Acq: 14 Oct 2020 19:43

Instrument :

BNA_N

ClientSampleId :

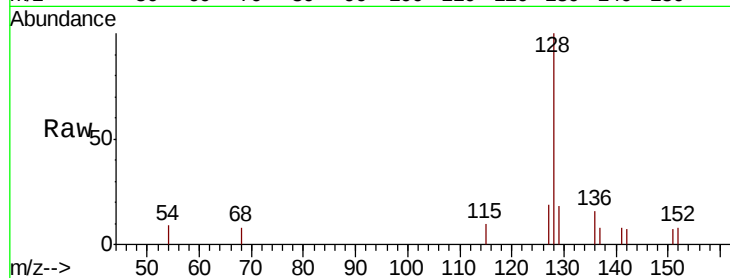
Tot Ion:128 Resp: 1185

Ion Ratio Lower Upper

128 100

129 18.1 10.3 15.5#

127 19.1 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

10.44

800

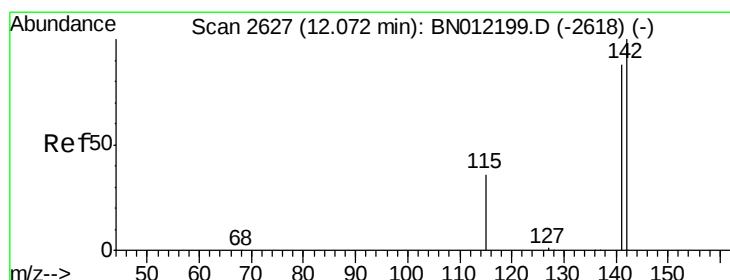
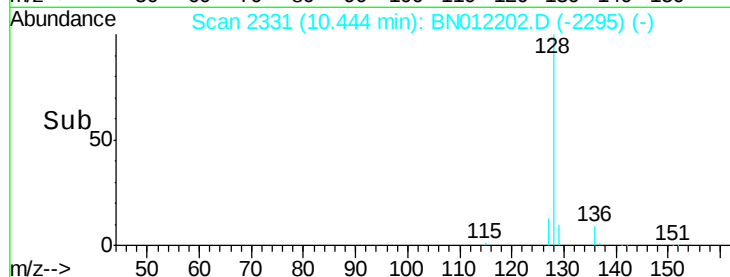
600

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.021 ng/ul

RT: 12.08 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BN012202.D

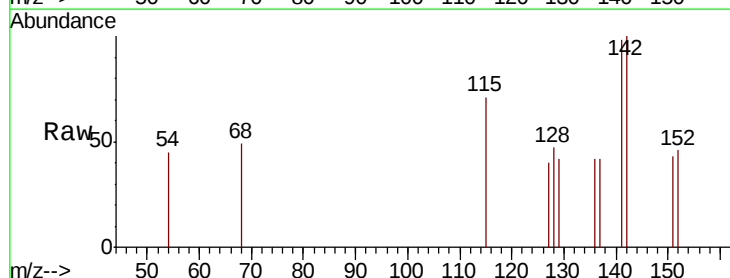
Acq: 14 Oct 2020 19:43

Tgt Ion:142 Resp: 219

Ion Ratio Lower Upper

142 100

141 105.5 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.08

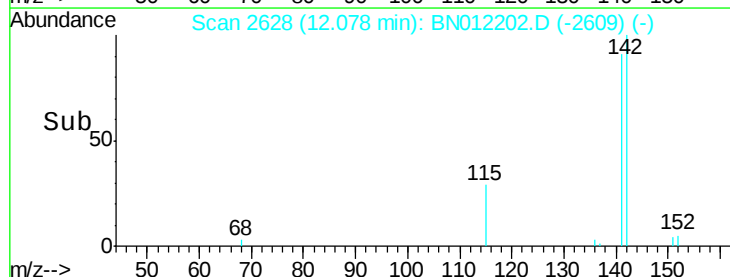
150

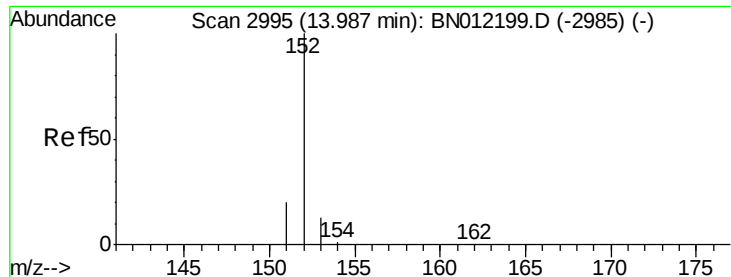
100

50

0

Time-->





#7

Acenaphthylene

Concen: 0.030 ng/ul

RT: 13.98 min Scan# 2994

Delta R.T. -0.00 min

Lab File: BN012202.D

Acq: 14 Oct 2020 19:43

Instrument :

BNA_N

ClientSampleId :

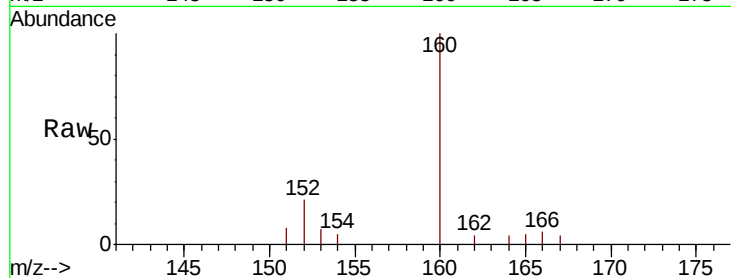
Tot Ion:152 Resp: 421

Ion Ratio Lower Upper

152 100

151 37.2 16.7 25.1#

153 31.9 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

13.98

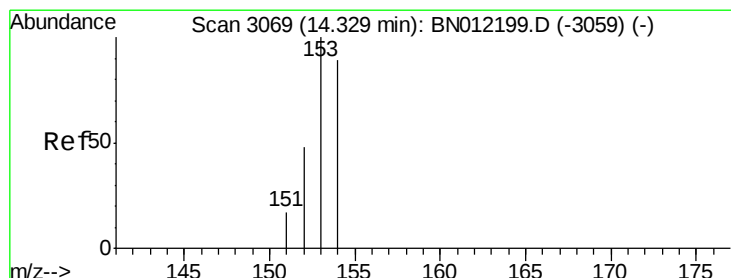
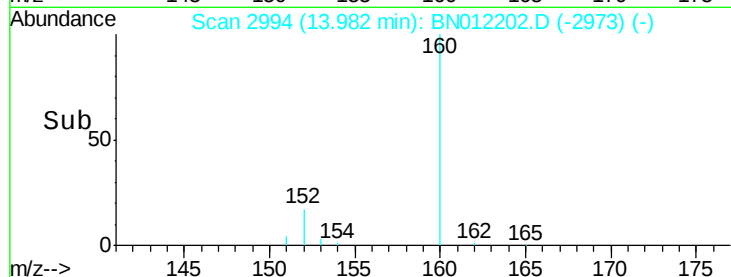
300

200

100

0

Time-->



#8

Acenaphthene

Concen: 0.435 ng/ul

RT: 14.33 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BN012202.D

Acq: 14 Oct 2020 19:43

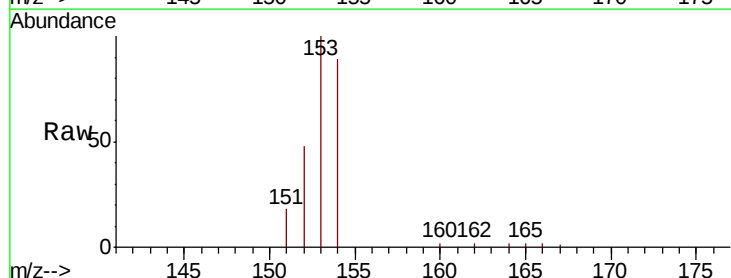
Tgt Ion:153 Resp: 5180

Ion Ratio Lower Upper

153 100

152 47.9 38.2 57.2

154 89.0 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

14.33

4000

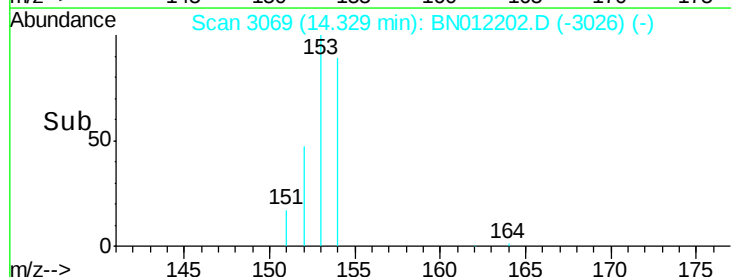
3000

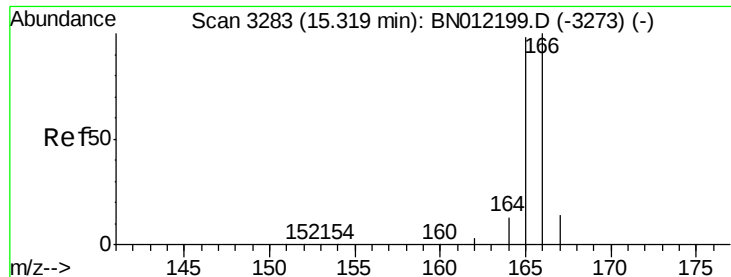
2000

1000

0

Time-->

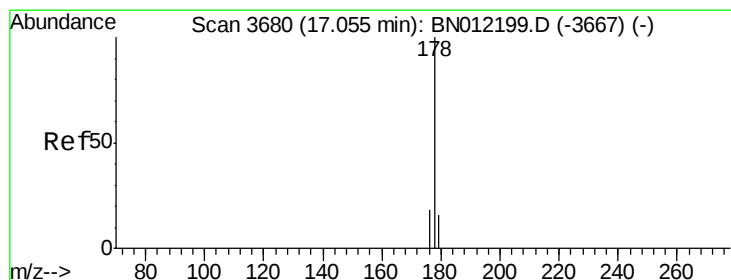
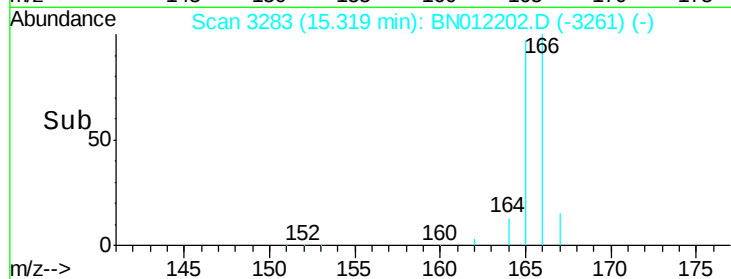
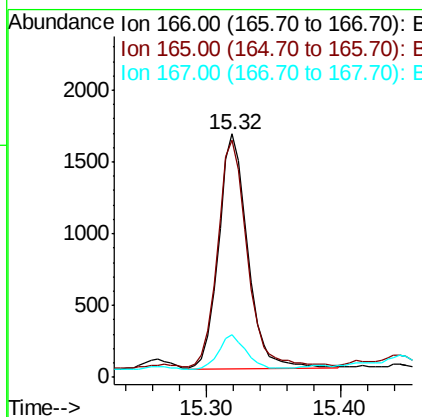
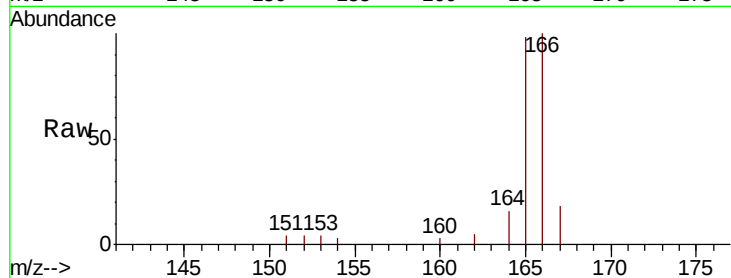




#9
Fluorene
 Concen: 0.185 ng/ul
 RT: 15.32 min Scan# 3283
 Delta R.T. 0.00 min
 Lab File: BN012202.D
 Acq: 14 Oct 2020 19:43

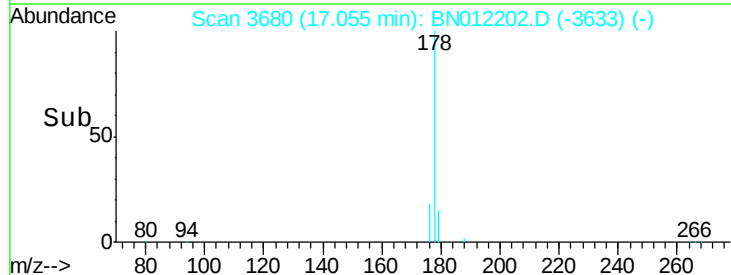
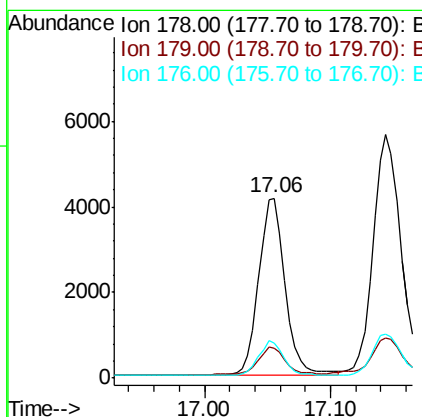
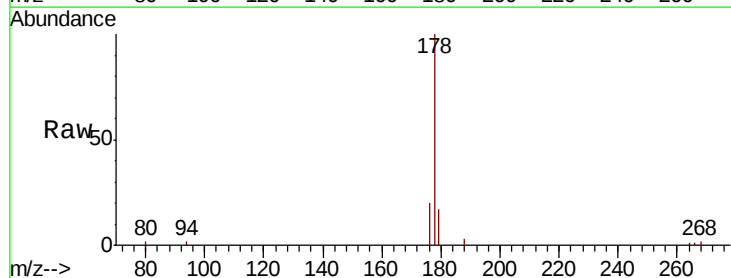
Instrument :
 BNA_N
 ClientSampleId :

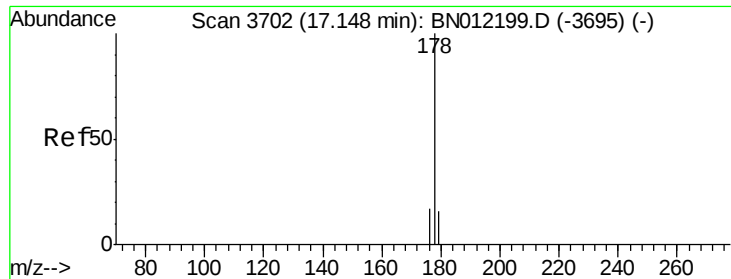
Tot Ion:166 Resp: 2455
 Ion Ratio Lower Upper
 166 100
 165 97.5 78.6 118.0
 167 17.5 11.9 17.9



#12
Phenanthrene
 Concen: 0.279 ng/ul
 RT: 17.06 min Scan# 3680
 Delta R.T. 0.00 min
 Lab File: BN012202.D
 Acq: 14 Oct 2020 19:43

Tgt Ion:178 Resp: 6051
 Ion Ratio Lower Upper
 178 100
 179 16.8 13.4 20.2
 176 19.7 15.7 23.5

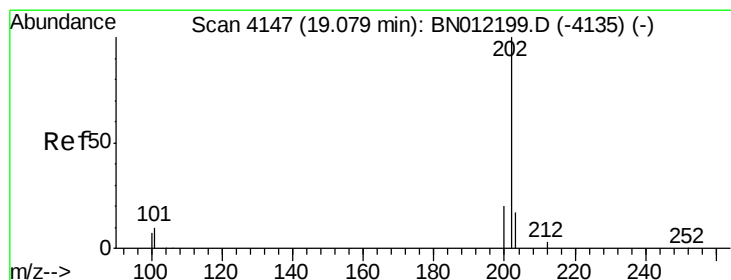
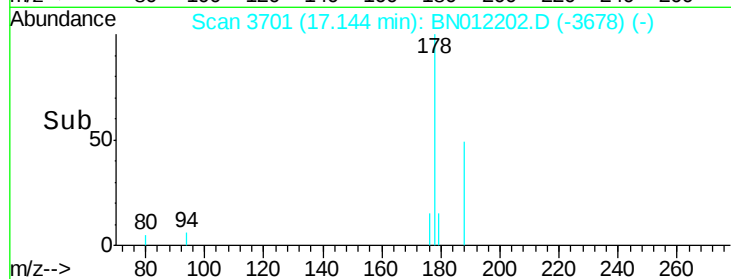
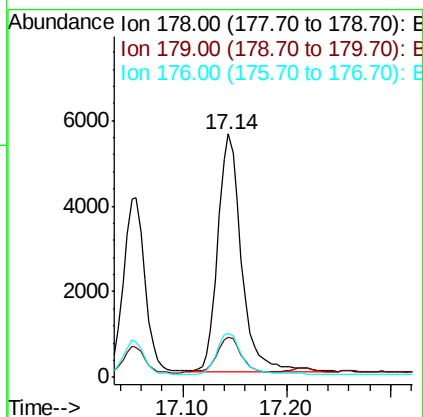
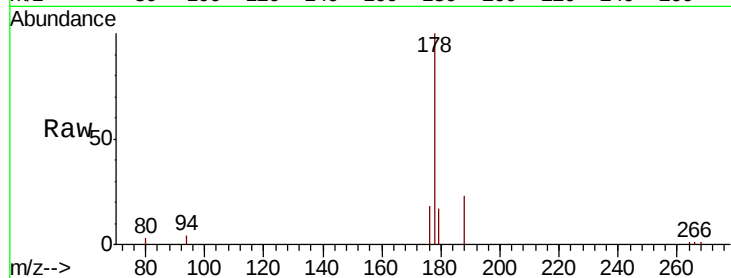




#13
 Anthracene
 Concen: 0.469 ng/ul
 RT: 17.14 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: BN012202.D
 Acq: 14 Oct 2020 19:43

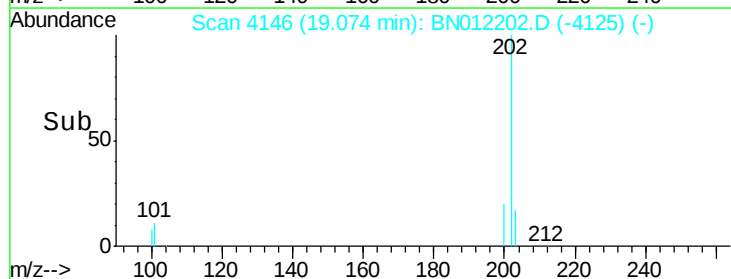
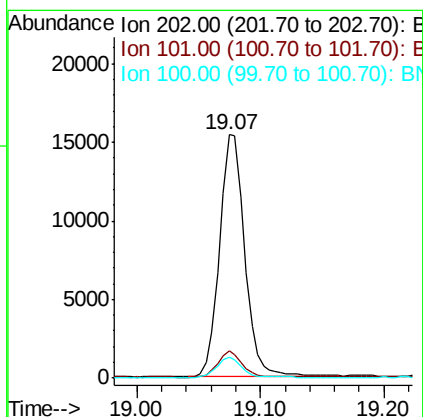
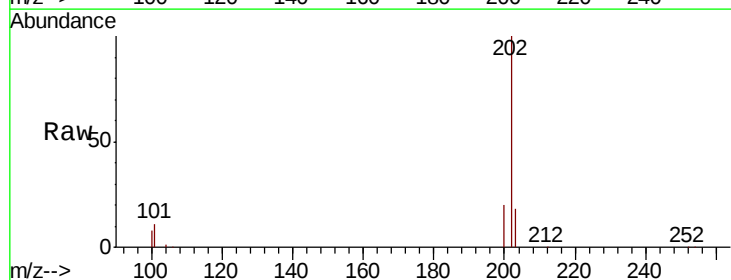
Instrument :
 BNA_N
 ClientSampleId :

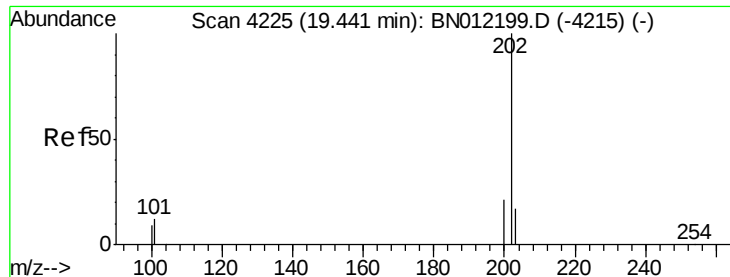
Tot Ion:178 Resp: 8718
 Ion Ratio Lower Upper
 178 100
 179 16.5 13.9 20.9
 176 18.1 15.4 23.0



#15
 Fluoranthene
 Concen: 0.868 ng/ul
 RT: 19.07 min Scan# 4146
 Delta R.T. -0.00 min
 Lab File: BN012202.D
 Acq: 14 Oct 2020 19:43

Tgt Ion:202 Resp: 22015
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.0
 100 8.4 0.0 28.7





#17

Pvrene

Concen: 0.613 ng/ul

RT: 19.44 min Scan# 4225

Delta R.T. 0.00 min

Lab File: BN012202.D

Acq: 14 Oct 2020 19:43

Instrument :

BNA_N

ClientSampleId :

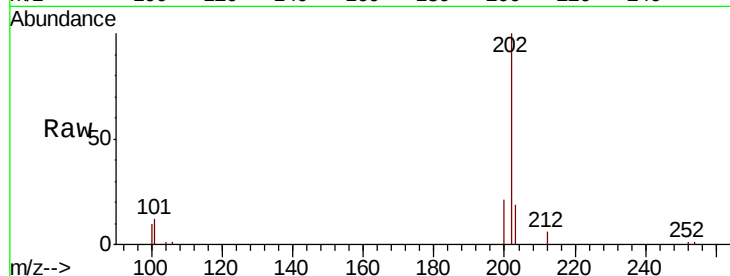
Tot Ion:202 Resp: 16595

Ion Ratio Lower Upper

202 100

101 12.0 9.9 14.9

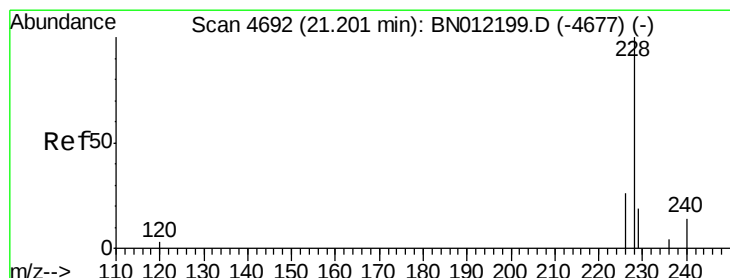
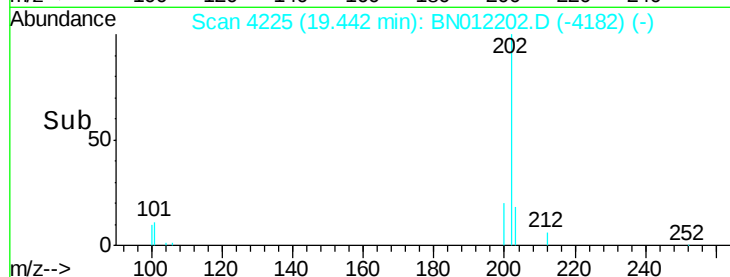
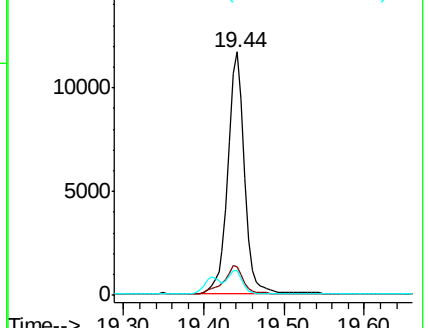
100 10.0 8.0 12.0



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): E



#18

Benzo(a)anthracene

Concen: 0.292 ng/ul

RT: 21.20 min Scan# 4691

Delta R.T. -0.00 min

Lab File: BN012202.D

Acq: 14 Oct 2020 19:43

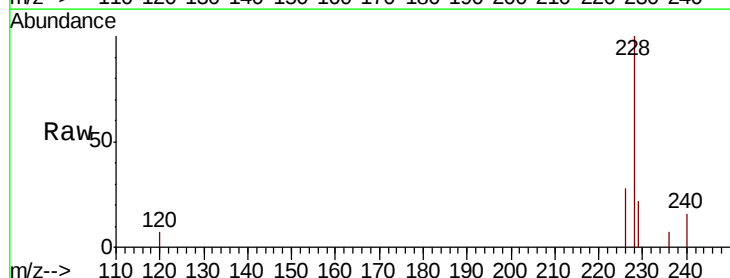
Tgt Ion:228 Resp: 6502

Ion Ratio Lower Upper

228 100

229 21.6 15.8 23.8

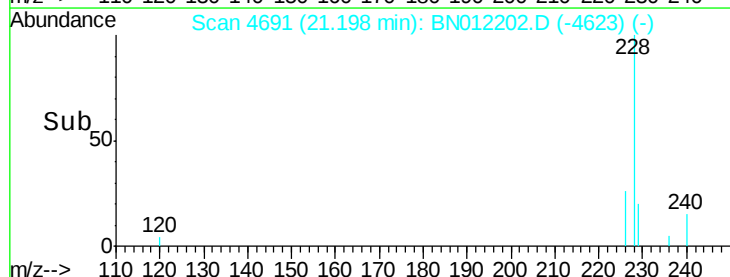
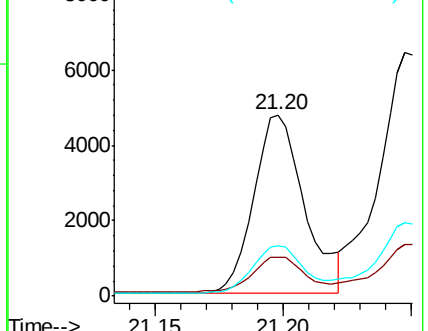
226 27.9 22.6 33.8

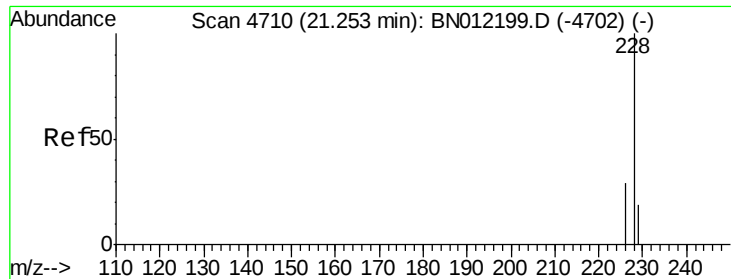


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.364 ng/ul

RT: 21.25 min Scan# 4708

Delta R.T. -0.01 min

Lab File: BN012202.D

Acq: 14 Oct 2020 19:43

Instrument :

BNA_N

ClientSampleId :

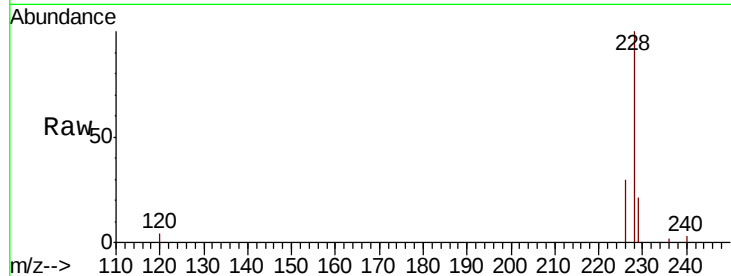
Tot Ion:228 Resp: 9868

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

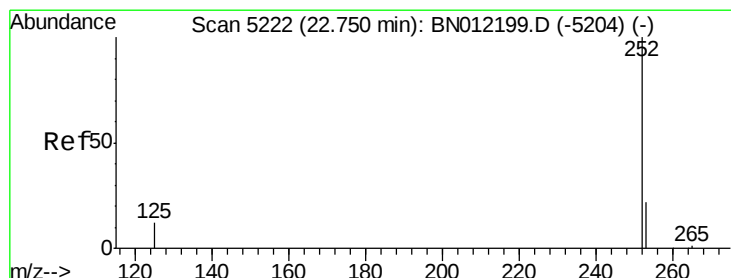
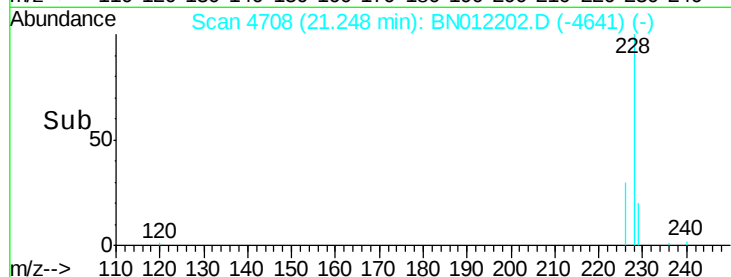
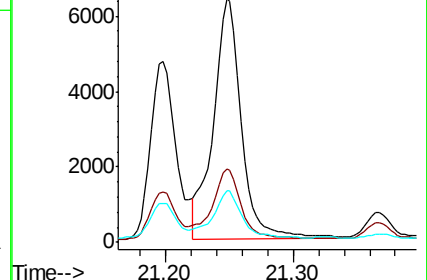
229 21.1 17.0 25.6



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: 0.443 ng/ul

RT: 22.75 min Scan# 5222

Delta R.T. 0.00 min

Lab File: BN012202.D

Acq: 14 Oct 2020 19:43

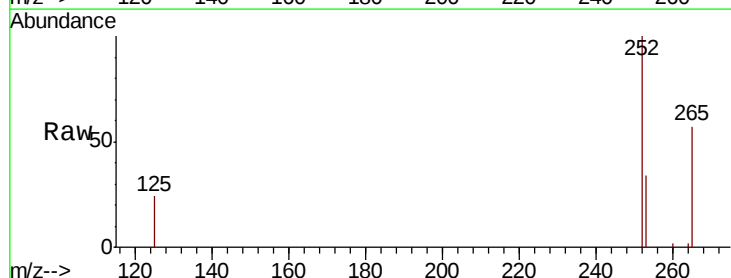
Tgt Ion:252 Resp: 11110

Ion Ratio Lower Upper

252 100

253 34.2 0.0 61.6

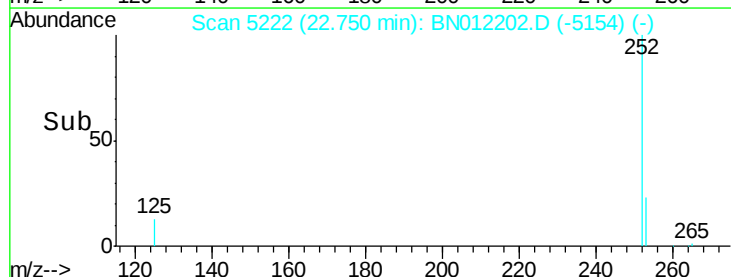
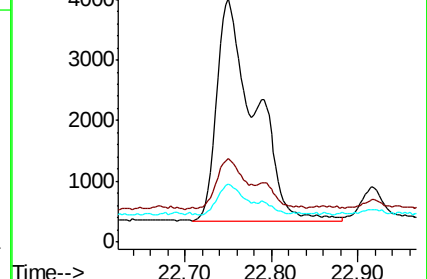
125 23.7 0.0 36.8

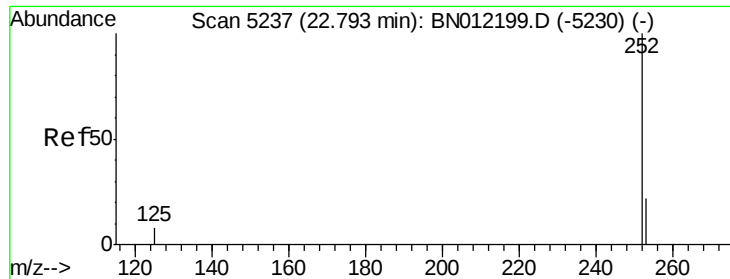


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.400 ng/ul

RT: 22.75 min Scan# 5222

Delta R.T. -0.04 min

Lab File: BN012202.D

Acq: 14 Oct 2020 19:43

Instrument :

BNA_N

ClientSampleId :

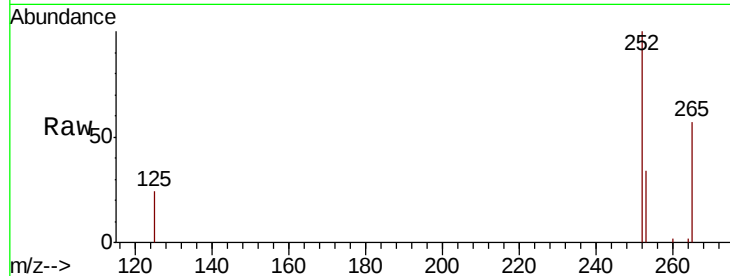
Tot Ion:252 Resp: 11110

Ion Ratio Lower Upper

252 100

253 34.2 24.4 36.6

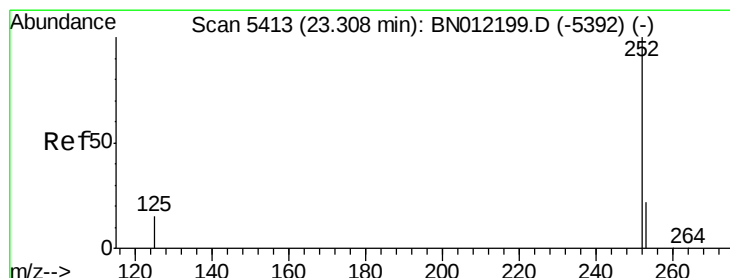
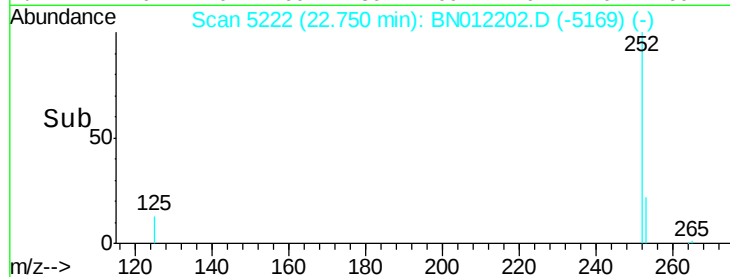
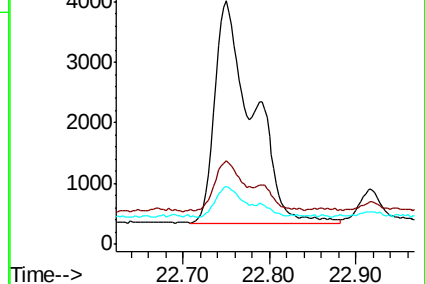
125 23.7 12.9 19.3#



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: 0.187 ng/ul

RT: 23.30 min Scan# 5411

Delta R.T. -0.01 min

Lab File: BN012202.D

Acq: 14 Oct 2020 19:43

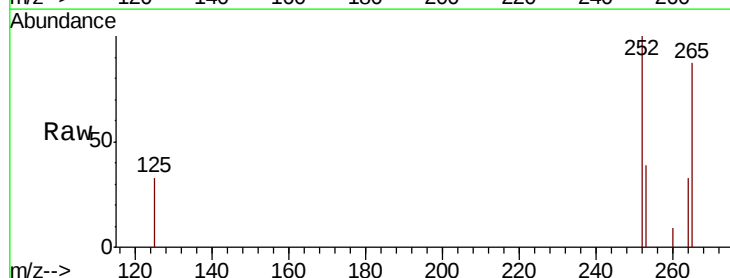
Tgt Ion:252 Resp: 4558

Ion Ratio Lower Upper

252 100

253 39.0 27.0 40.4

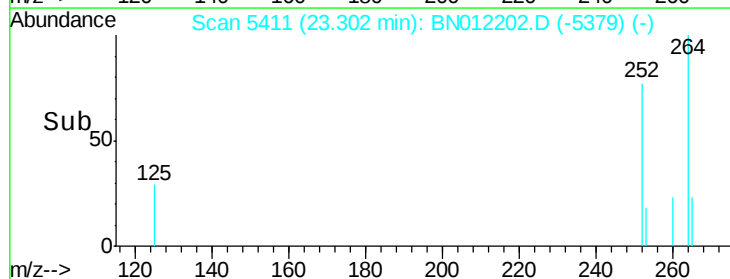
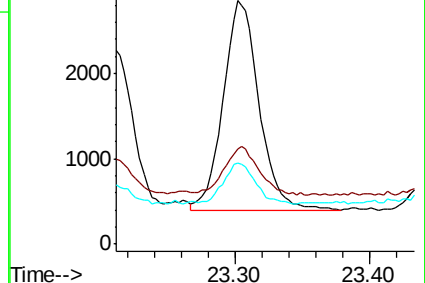
125 33.4 18.8 28.2#

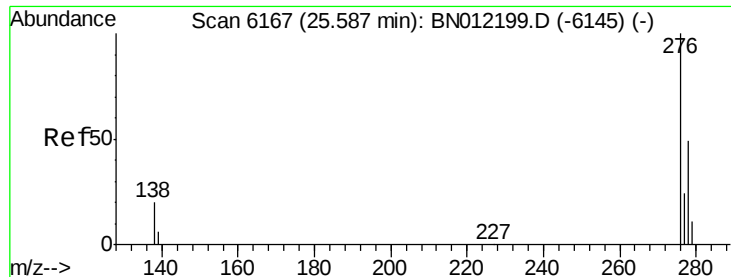


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



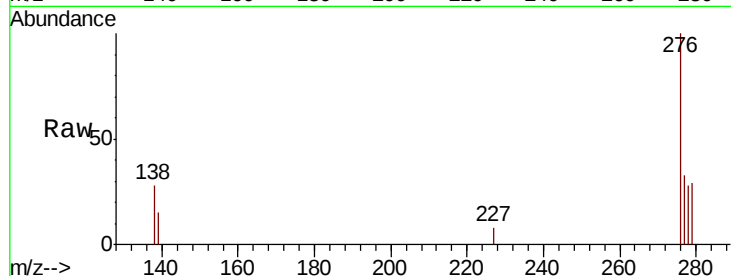


#24

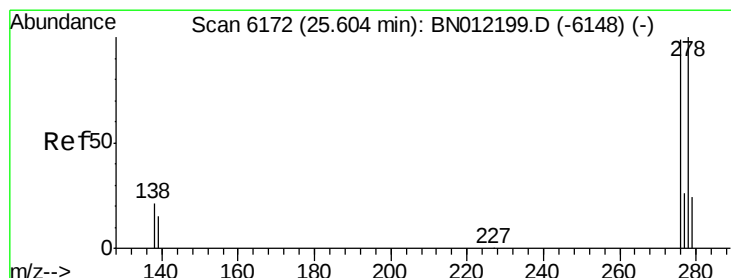
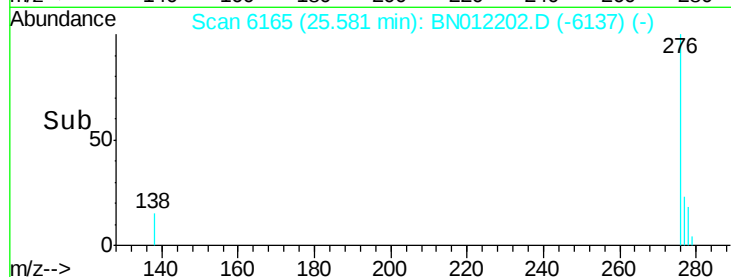
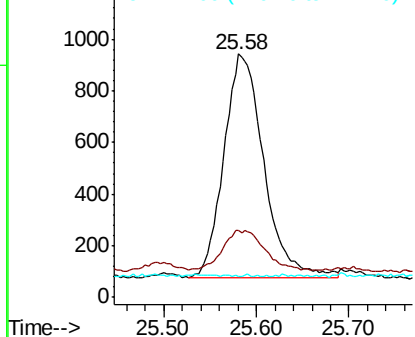
Indeno(1,2,3-cd)pyrene
Concen: 0.082 ng/ul
RT: 25.58 min Scan# 6165
Delta R.T. -0.01 min
Lab File: BN012202.D
Acq: 14 Oct 2020 19:43

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 2580
Ion Ratio Lower Upper
276 100
138 18.7 0.0 0.0#
227 0.2 0.0 0.0#



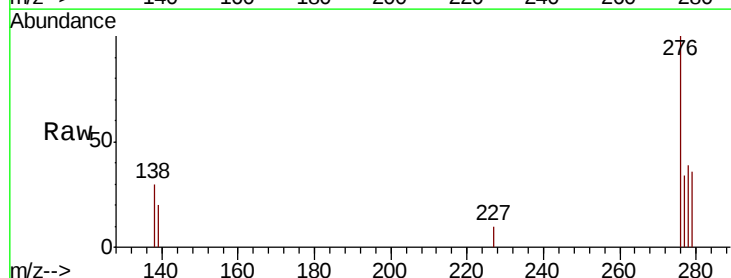
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



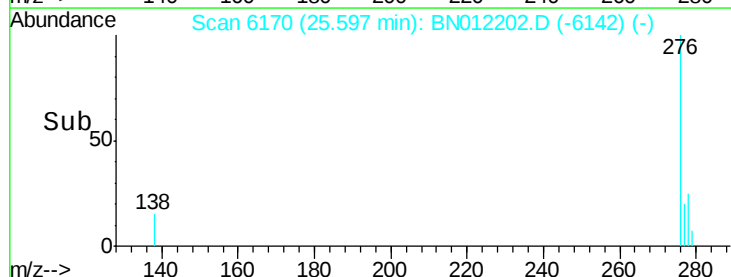
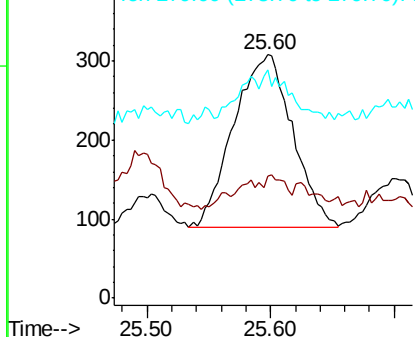
#25

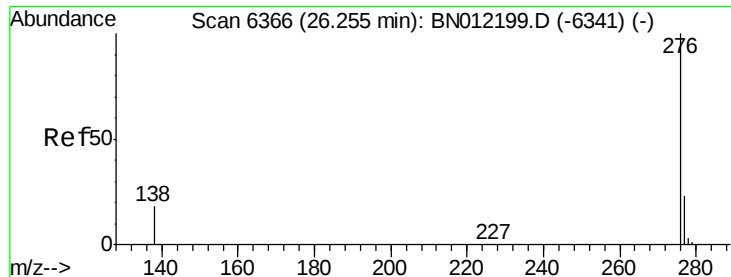
Dibenzo(a,h)anthracene
Concen: 0.029 ng/ul
RT: 25.60 min Scan# 6170
Delta R.T. -0.01 min
Lab File: BN012202.D
Acq: 14 Oct 2020 19:43

Tgt Ion:278 Resp: 730
Ion Ratio Lower Upper
278 100
139 50.3 15.7 23.5#
279 93.5 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: 0.080 ng/ul

RT: 26.25 min Scan# 6365

Delta R.T. -0.00 min

Lab File: BN012202.D

Acq: 14 Oct 2020 19:43

Instrument :

BNA_N

ClientSampleId :

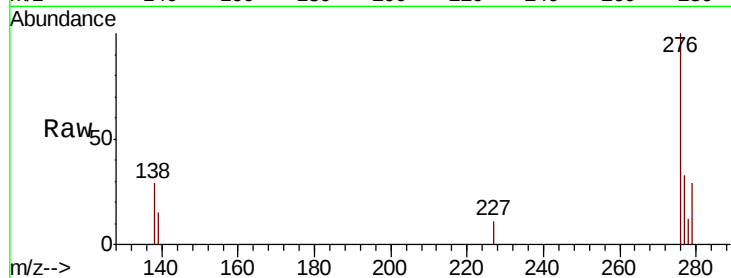
Tot Ion: 276 Resp: 2293

Ion Ratio Lower Upper

276 100

138 29.3 17.1 25.7#

277 32.9 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

