

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012204.D
 Acq On : 14 Oct 2020 20:55
 Operator : CG/JU
 Sample : L4166-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 15 00:53:56 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

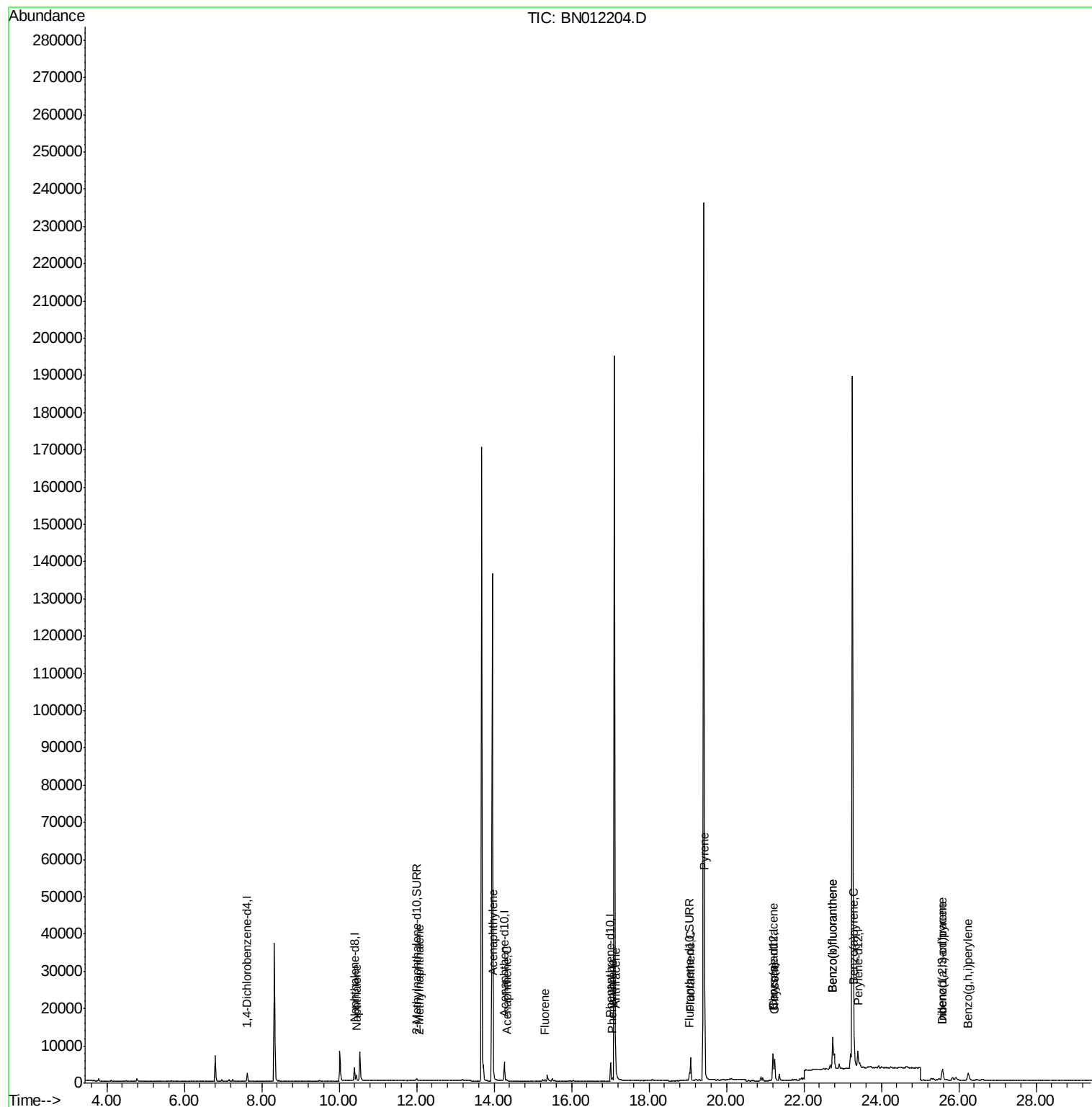
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1223	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	4915	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	2841	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	5909	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	5208	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	5686	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1060	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	2543	0.16	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	2021	0.142	ng/ul	97
5) 2-Methylnaphthalene	12.08	142	217	0.024	ng/ul	97
7) Acenaphthylene	13.98	152	917	0.074	ng/ul#	87
8) Acenaphthene	14.32	153	287	0.028	ng/ul	90
9) Fluorene	15.32	166	246	0.021	ng/ul#	89
12) Phenanthrene	17.05	178	832	0.044	ng/ul#	82
13) Anthracene	17.14	178	1085	0.067	ng/ul#	82
15) Fluoranthene	19.07	202	5499	0.250	ng/ul	97
17) Pyrene	19.44	202	21968	0.936	ng/ul	99
18) Benzo(a)anthracene	21.20	228	4352	0.226	ng/ul	95
19) Chrysene	21.24	228	6891	0.293	ng/ul	98
21) Benzo(b)fluoranthene	22.74	252	18097	0.788	ng/ul	97
22) Benzo(k)fluoranthene	22.74	252	18097	0.712	ng/ul	96
23) Benzo(a)pyrene	23.30	252	7613	0.341	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.57	276	4826	0.168	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.58	278	1408	0.061	ng/ul#	58
26) Benzo(a,h,i)perylene	26.25	276	3999	0.152	ng/ul	93

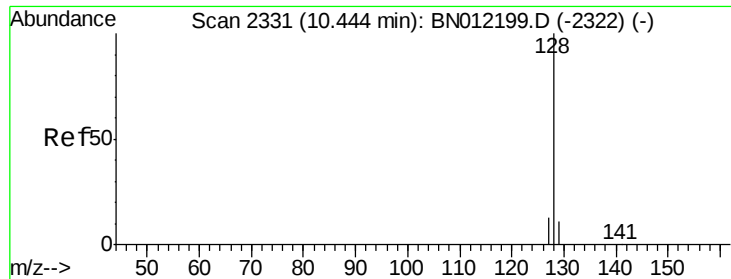
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.142 ng/ul

RT: 10.44 min Scan# 2331

Delta R.T. 0.00 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

Instrument :

BNA_N

ClientSampleId :

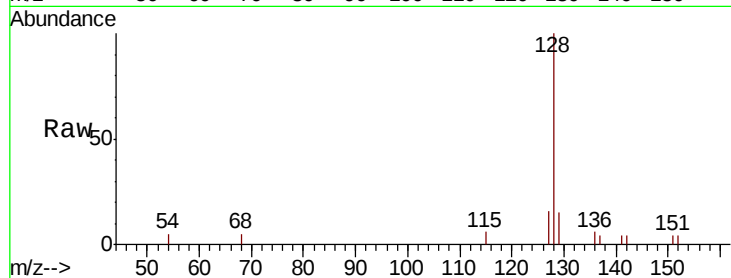
Tot Ion:128 Resp: 2021

Ion Ratio Lower Upper

128 100

129 14.6 10.3 15.5

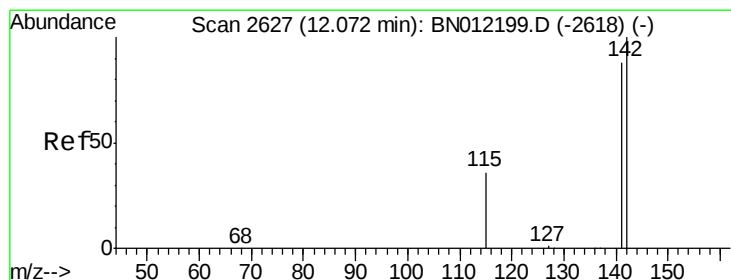
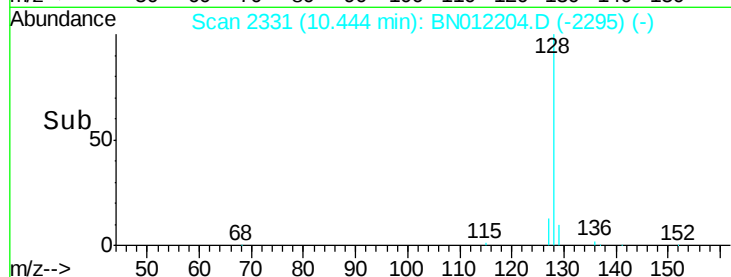
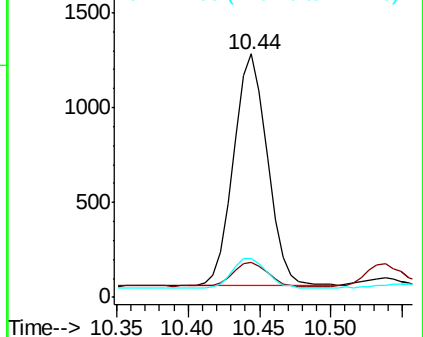
127 16.1 11.9 17.9



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



#5

2-Methylnaphthalene

Concen: 0.024 ng/ul

RT: 12.08 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BN012204.D

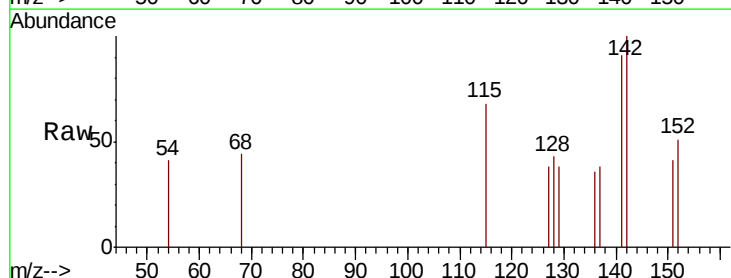
Acq: 14 Oct 2020 20:55

Tgt Ion:142 Resp: 217

Ion Ratio Lower Upper

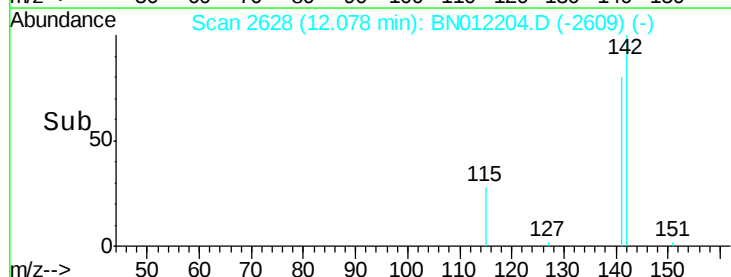
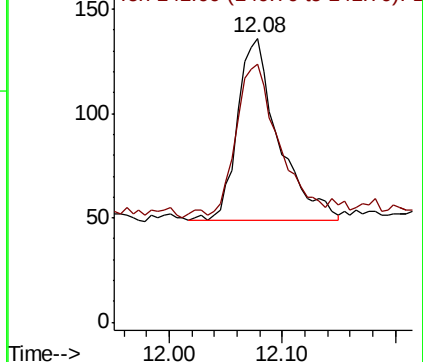
142 100

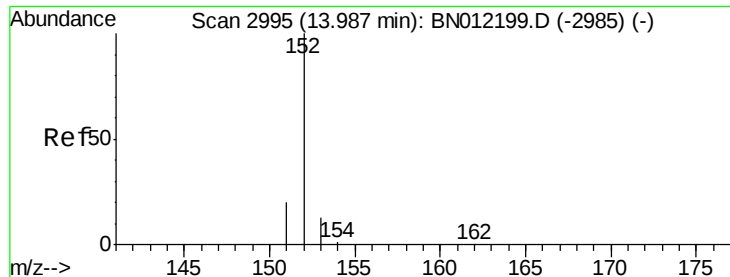
141 87.1 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.074 ng/ul

RT: 13.98 min Scan# 2994

Delta R.T. -0.00 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

Instrument :

BNA_N

ClientSampleId :

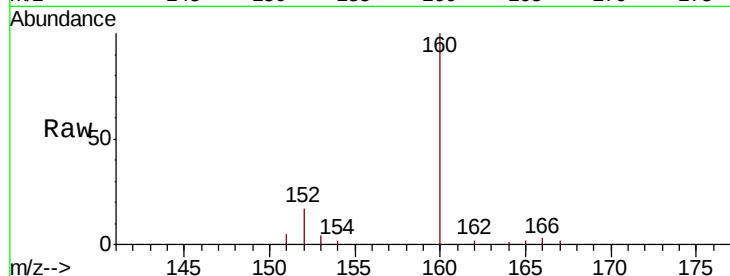
Tot Ion:152 Resp: 917

Ion Ratio Lower Upper

152 100

151 26.1 16.7 25.1#

153 21.1 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

13.98

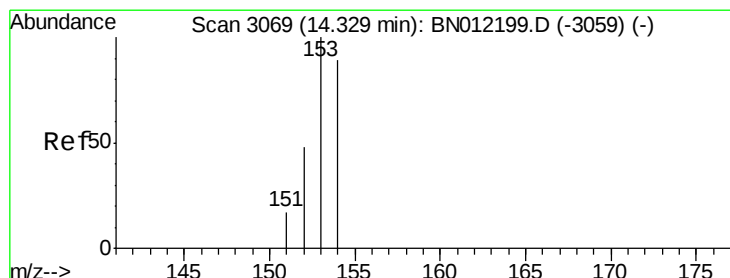
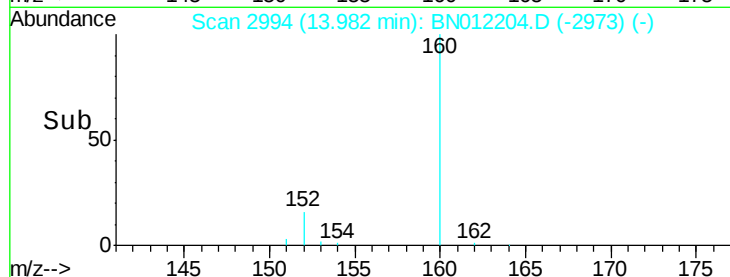
600

400

200

0

Time-->



#8

Acenaphthene

Concen: 0.028 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. -0.00 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

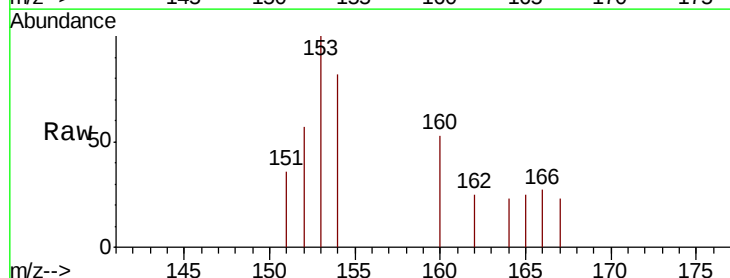
Tgt Ion:153 Resp: 287

Ion Ratio Lower Upper

153 100

152 57.1 38.2 57.2

154 82.1 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

14.32

300

250

200

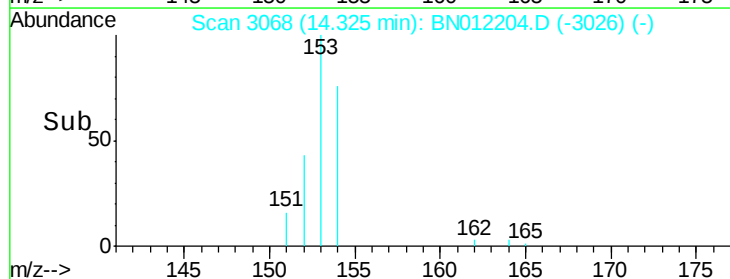
150

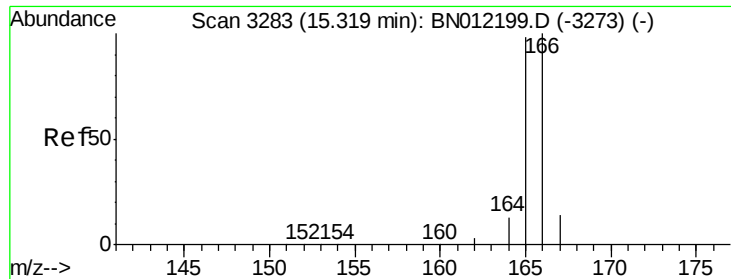
100

50

0

Time-->





#9

Fluorene

Concen: 0.021 ng/ul

RT: 15.32 min Scan# 3283

Delta R.T. 0.00 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

Instrument :

BNA_N

ClientSampleId :

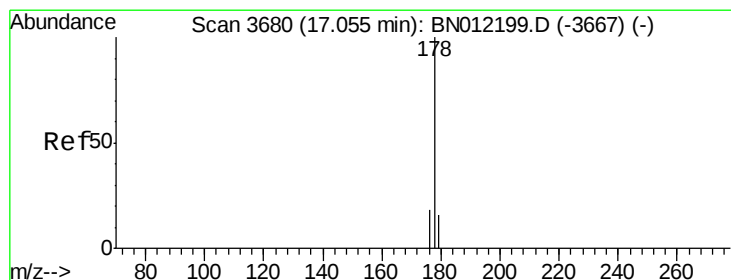
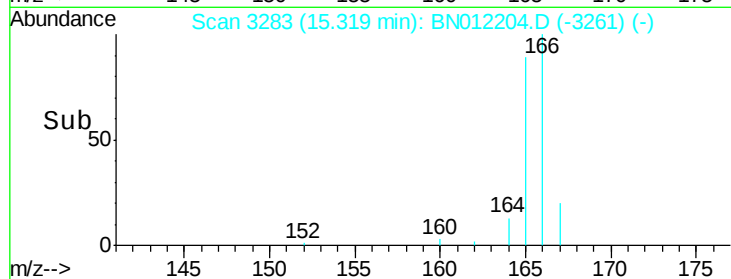
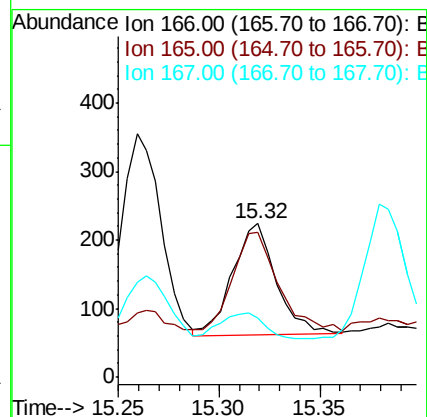
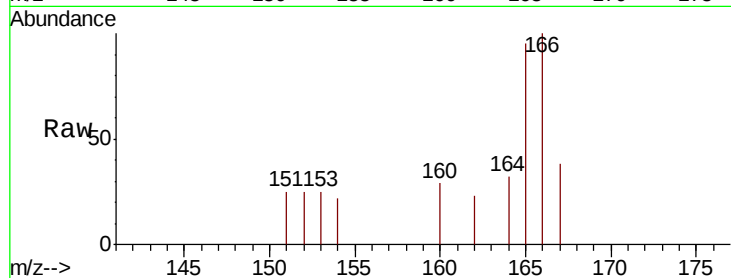
Tot Ion:166 Resp: 246

Ion Ratio Lower Upper

166 100

165 94.6 78.6 118.0

167 38.4 11.9 17.9#



#12

Phenanthrene

Concen: 0.044 ng/ul

RT: 17.05 min Scan# 3679

Delta R.T. -0.00 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

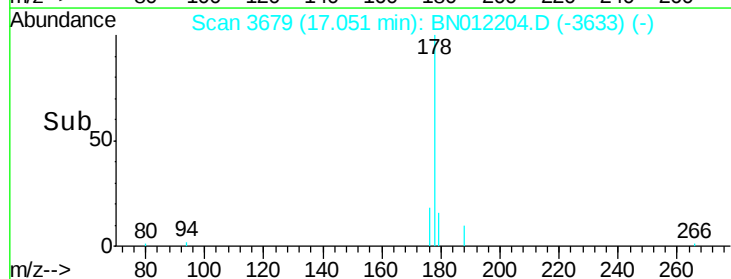
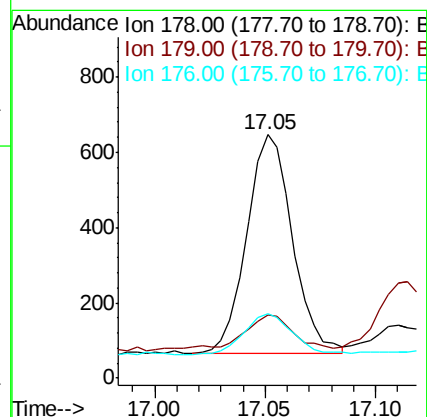
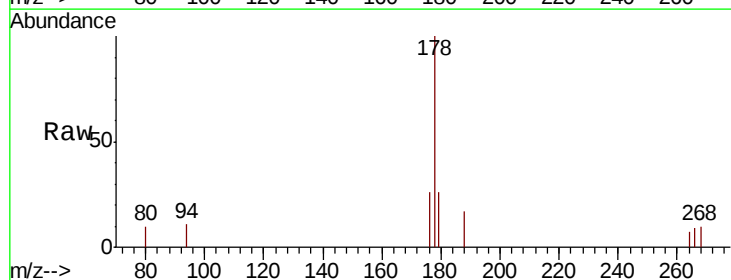
Tgt Ion:178 Resp: 832

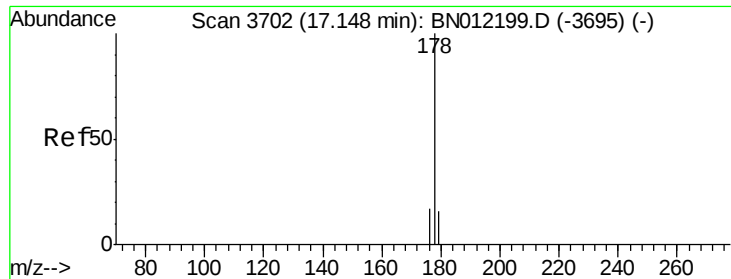
Ion Ratio Lower Upper

178 100

179 25.8 13.4 20.2#

176 26.3 15.7 23.5#





#13

Anthracene

Concen: 0.067 ng/ul

RT: 17.14 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

Instrument :

BNA_N

ClientSampleId :

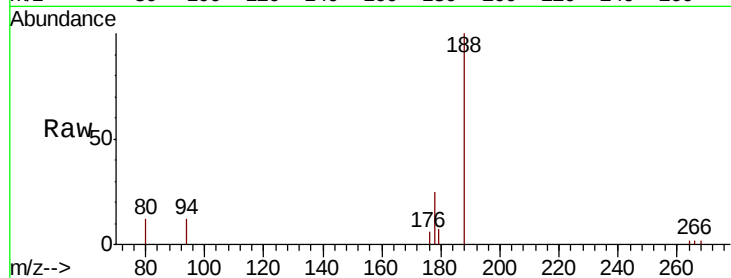
Tot Ion:178 Resp: 1085

Ion Ratio Lower Upper

178 100

179 26.6 13.9 20.9#

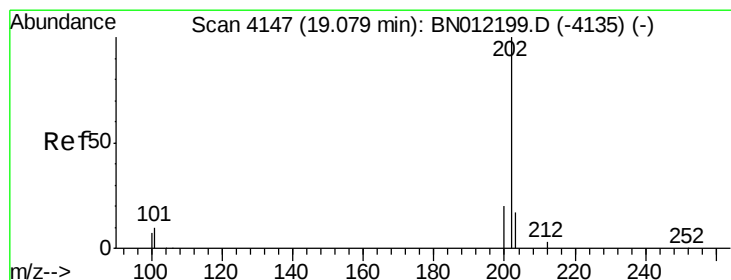
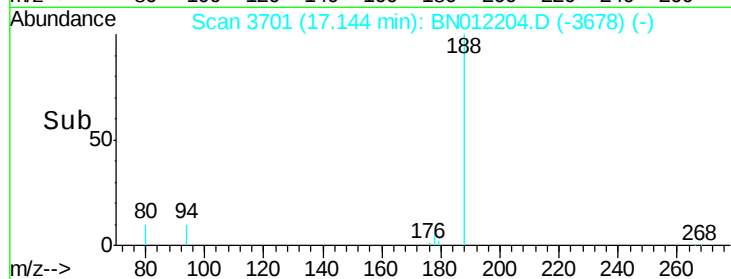
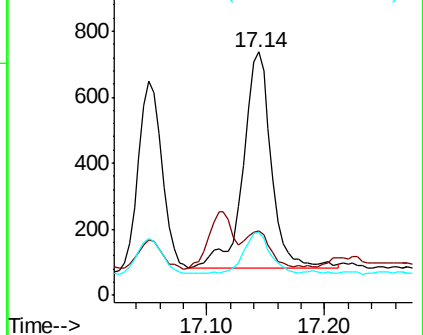
176 25.8 15.4 23.0#



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: 0.250 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. -0.00 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

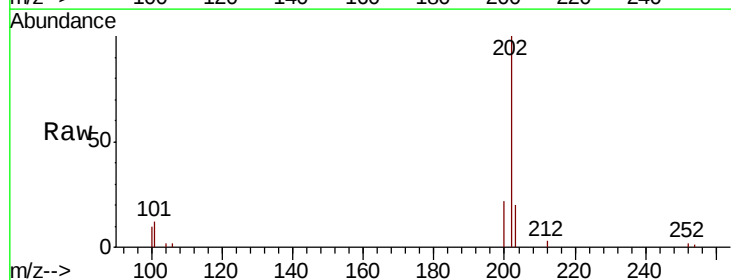
Tgt Ion:202 Resp: 5499

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.0

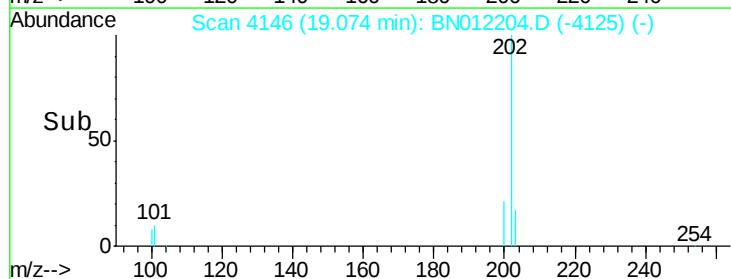
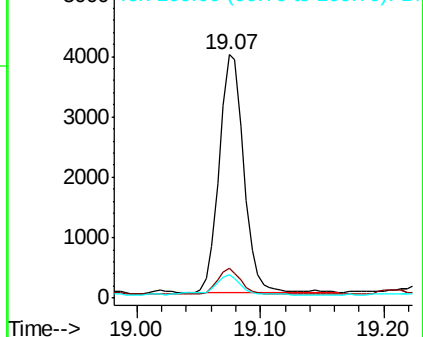
100 9.8 0.0 28.7

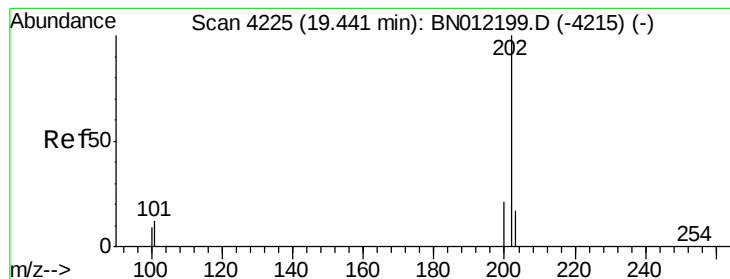


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 0.936 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

Instrument :

BNA_N

ClientSampleId :

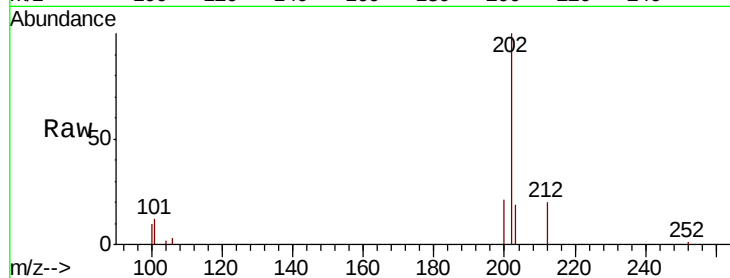
Tot Ion:202 Resp: 21968

Ion Ratio Lower Upper

202 100

101 12.4 9.9 14.9

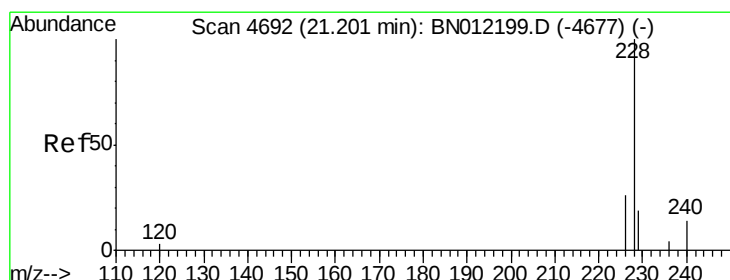
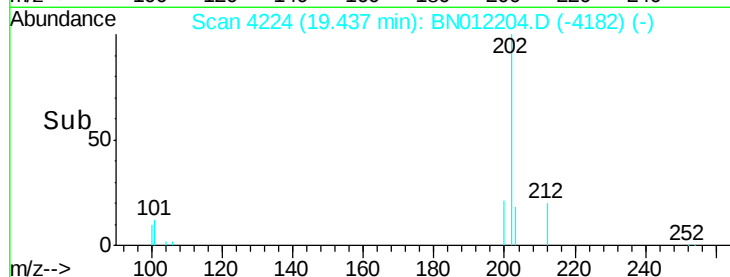
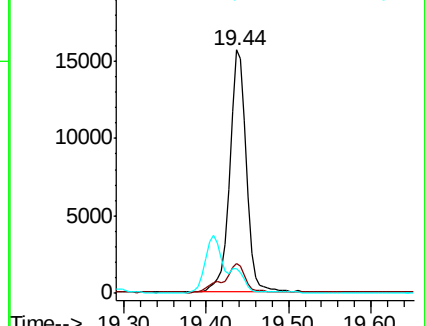
100 10.4 8.0 12.0



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: 0.226 ng/ul

RT: 21.20 min Scan# 4690

Delta R.T. -0.01 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

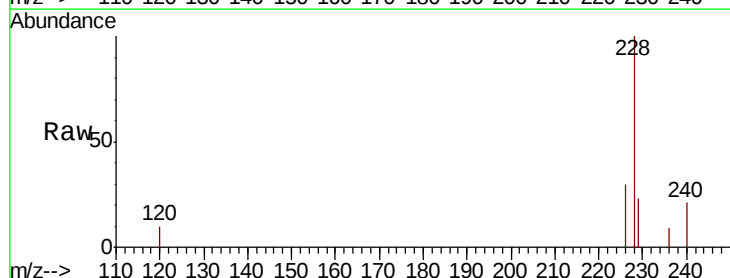
Tgt Ion:228 Resp: 4352

Ion Ratio Lower Upper

228 100

229 23.5 15.8 23.8

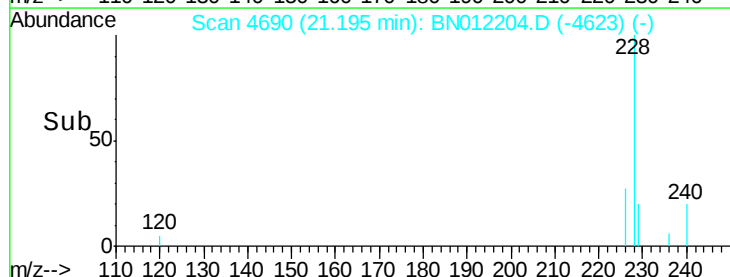
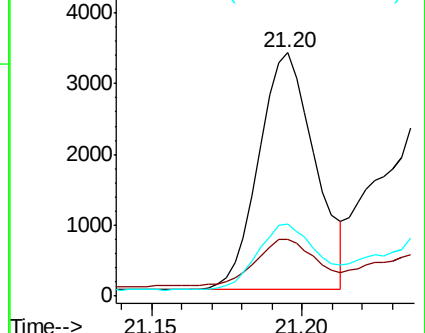
226 29.5 22.6 33.8

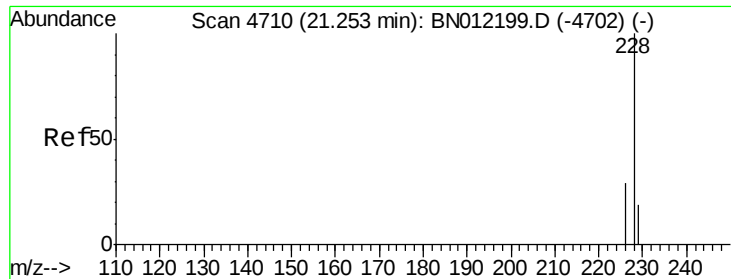


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.293 ng/ul

RT: 21.24 min Scan# 4707

Delta R.T. -0.01 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

Instrument :

BNA_N

ClientSampleId :

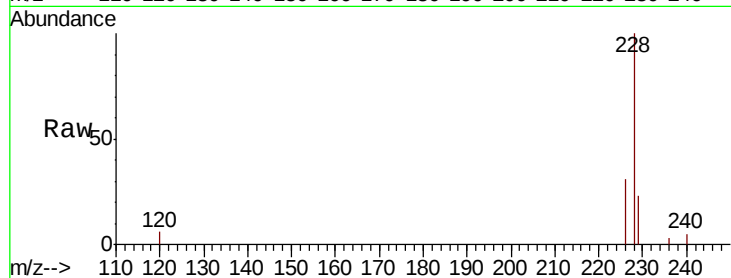
Tot Ion:228 Resp: 6891

Ion Ratio Lower Upper

228 100

226 30.9 24.6 37.0

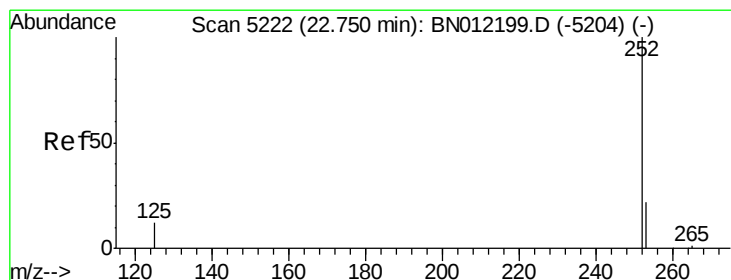
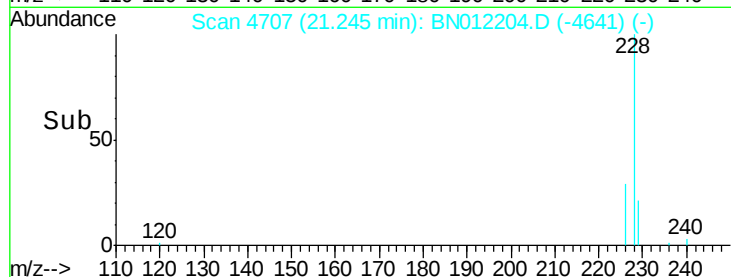
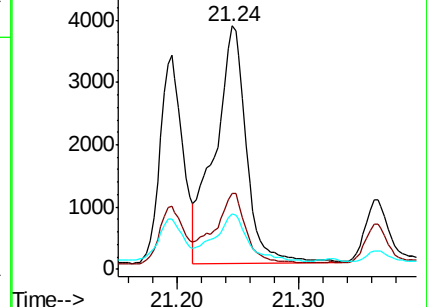
229 23.0 17.0 25.6



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: 0.788 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. -0.01 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

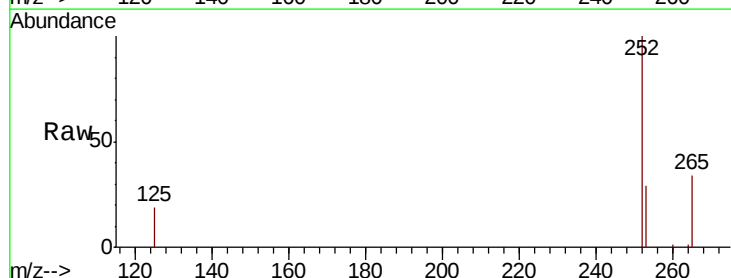
Tgt Ion:252 Resp: 18097

Ion Ratio Lower Upper

252 100

253 29.2 0.0 61.6

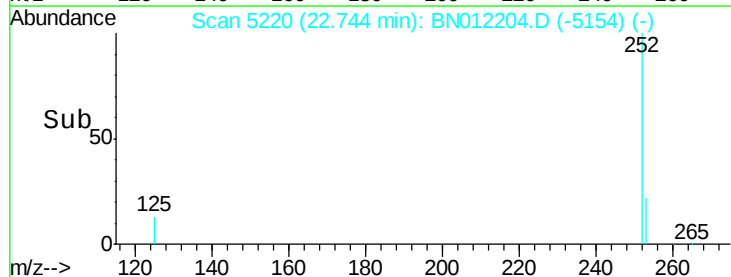
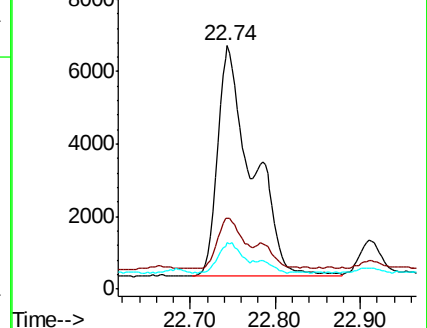
125 19.3 0.0 36.8

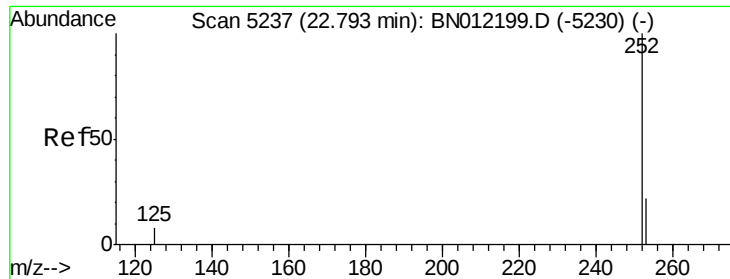


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.712 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. -0.05 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

Instrument :

BNA_N

ClientSampleId :

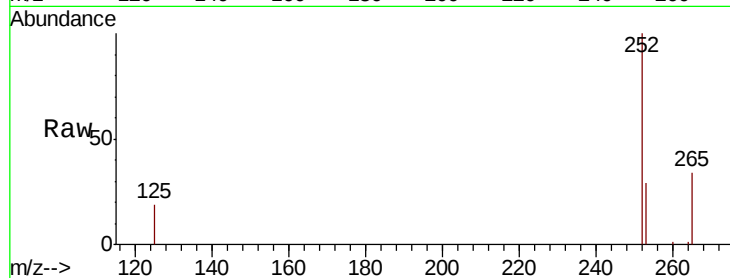
Tot Ion:252 Resp: 18097

Ion Ratio Lower Upper

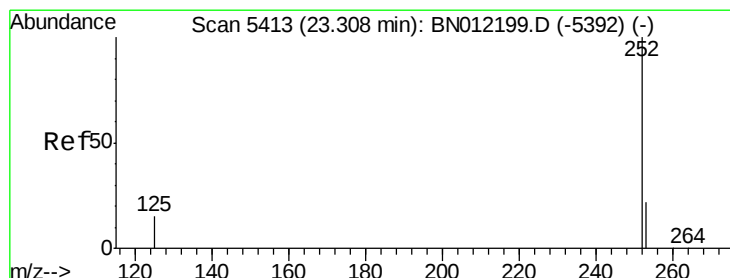
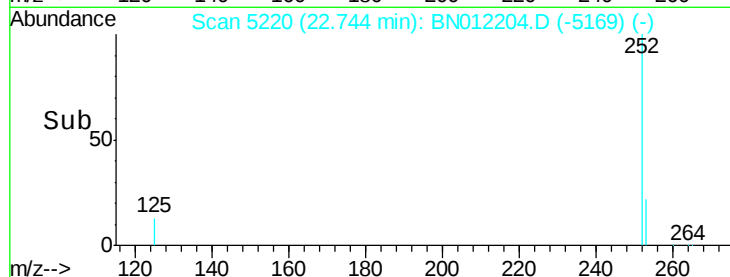
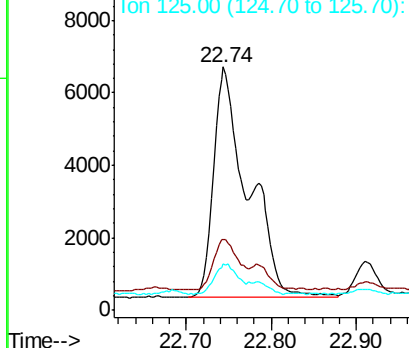
252 100

253 29.2 24.4 36.6

125 19.3 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: 0.341 ng/ul

RT: 23.30 min Scan# 5410

Delta R.T. -0.01 min

Lab File: BN012204.D

Acq: 14 Oct 2020 20:55

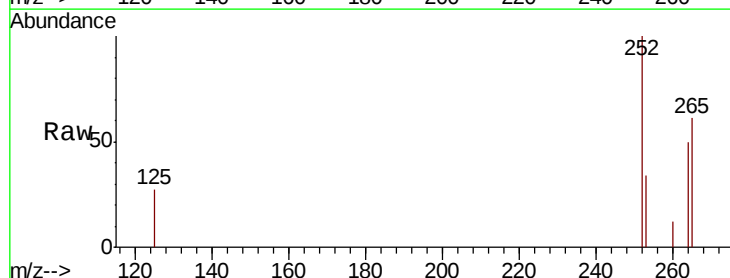
Tgt Ion:252 Resp: 7613

Ion Ratio Lower Upper

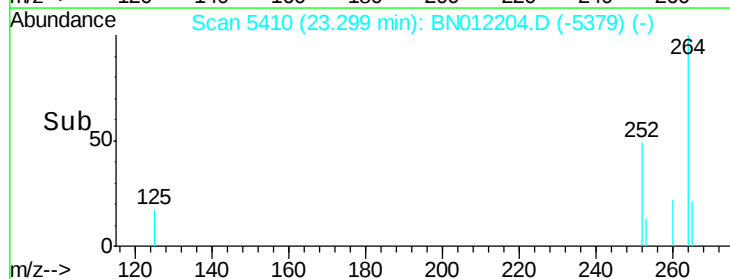
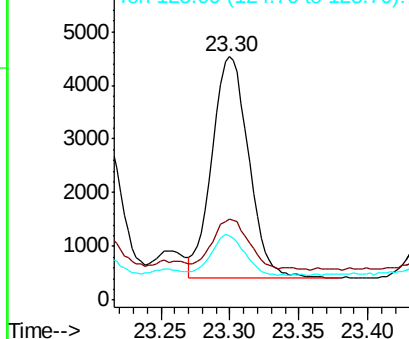
252 100

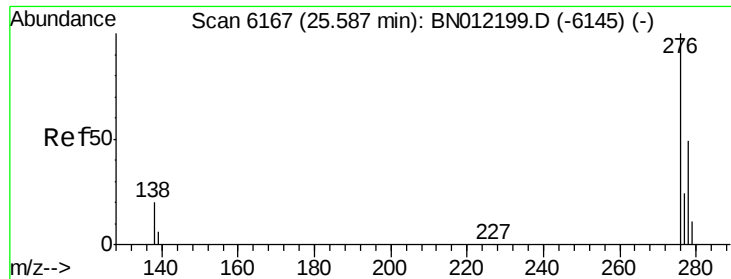
253 33.5 27.0 40.4

125 26.7 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

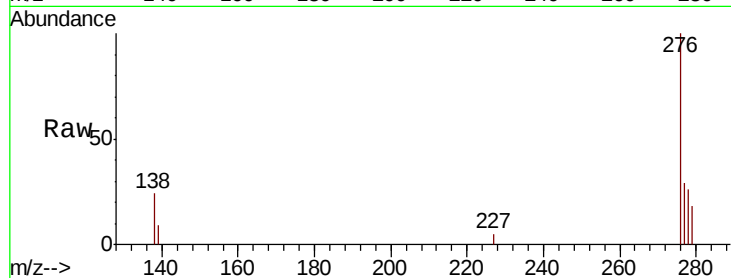




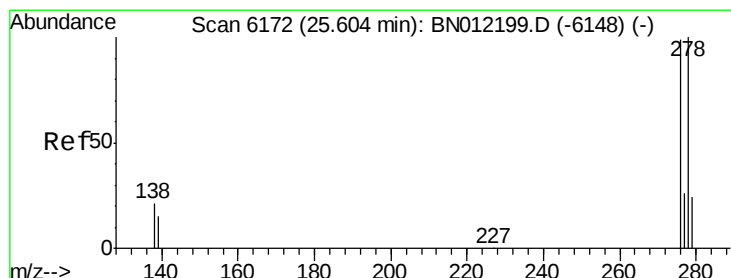
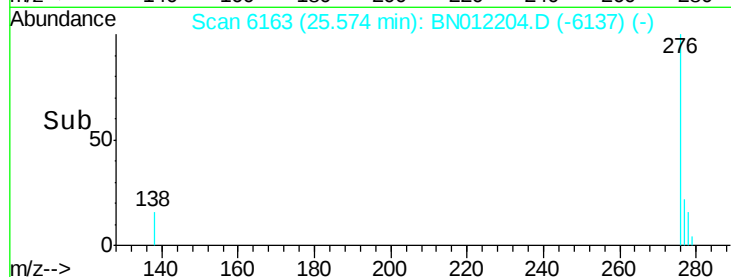
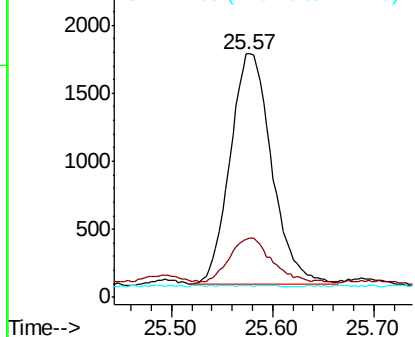
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.168 ng/ul
 RT: 25.57 min Scan# 6163
 Delta R.T. -0.01 min
 Lab File: BN012204.D
 Acq: 14 Oct 2020 20:55

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 4826
 Ion Ratio Lower Upper
 276 100
 138 19.2 0.0 0.0#
 227 0.2 0.0 0.0#

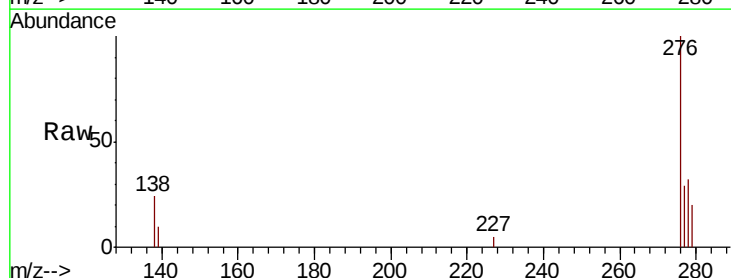


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

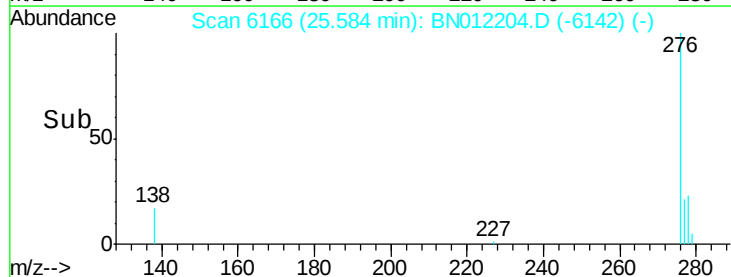
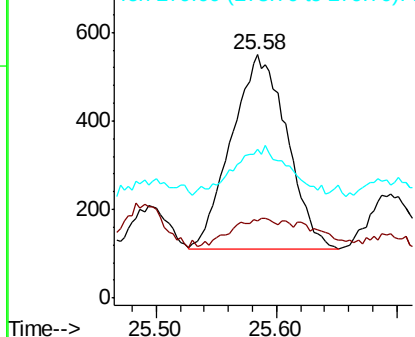


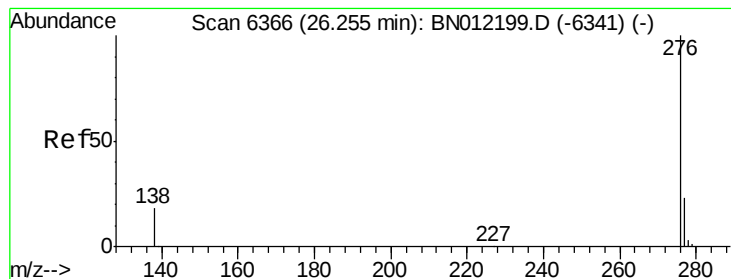
#25
 Dibenzo(a,h)anthracene
 Concen: 0.061 ng/ul
 RT: 25.58 min Scan# 6166
 Delta R.T. -0.02 min
 Lab File: BN012204.D
 Acq: 14 Oct 2020 20:55

Tgt Ion:278 Resp: 1408
 Ion Ratio Lower Upper
 278 100
 139 31.5 15.7 23.5#
 279 61.1 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

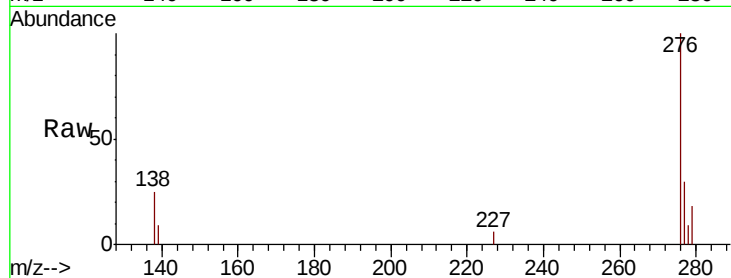




#26
 Benzo(a,h,i)perylene
 Concen: 0.152 ng/ul
 RT: 26.25 min Scan# 6364
 Delta R.T. -0.01 min
 Lab File: BN012204.D
 Acq: 14 Oct 2020 20:55

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	17.1	25.7
277	29.5	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

