

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012207.D
 Acq On : 14 Oct 2020 22:43
 Operator : CG/JU
 Sample : L4166-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 15 00:54:21 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

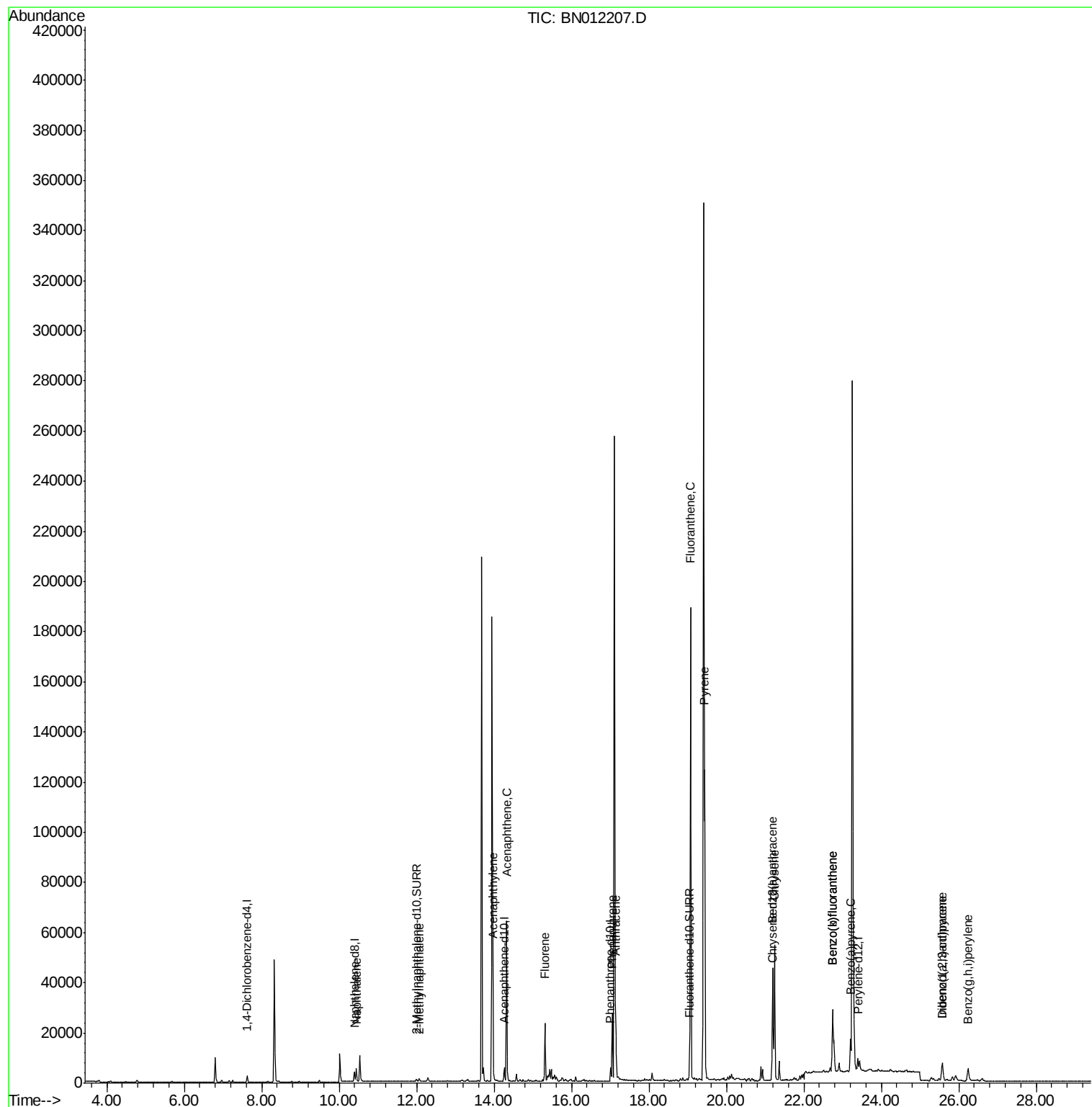
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1190	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	4850	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	2927	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	6198	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	5969	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	6579	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1450	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	3524	0.21	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	7173	0.512	ng/ul	98
5) 2-Methylnaphthalene	12.07	142	885	0.100	ng/ul	98
7) Acenaphthylene	13.98	152	2086	0.164	ng/ul#	90
8) Acenaphthene	14.32	153	36228	3.375	ng/ul	99
9) Fluorene	15.31	166	13875	1.161	ng/ul	100
12) Phenanthrene	17.05	178	27768	1.405	ng/ul	98
13) Anthracene	17.14	178	30349	1.791	ng/ul	97
15) Fluoranthene	19.07	202	158631	6.866	ng/ul	97
17) Pyrene	19.44	202	110899	4.121	ng/ul	99
18) Benzo(a)anthracene	21.19	228	36903	1.669	ng/ul	99
19) Chrysene	21.24	228	51175	1.900	ng/ul	98
21) Benzo(b)fluoranthene	22.74	252	53380	2.009	ng/ul	91
22) Benzo(k)fluoranthene	22.74	252	53380	1.815	ng/ul	93
23) Benzo(a)pyrene	23.21	252	9848	0.381	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	25.57	276	11067	0.333	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.58	278	3276	0.123	ng/ul#	83
26) Benzo(a,h,i)perylene	26.24	276	9961	0.327	ng/ul	99

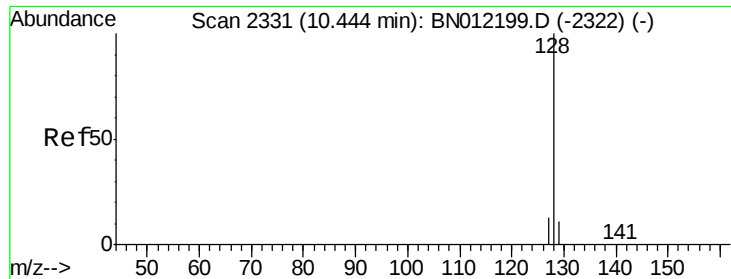
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.512 ng/ul

RT: 10.44 min Scan# 2331

Delta R.T. 0.00 min

Lab File: BN012207.D

Acq: 14 Oct 2020 22:43

Instrument :

BNA_N

ClientSampleId :

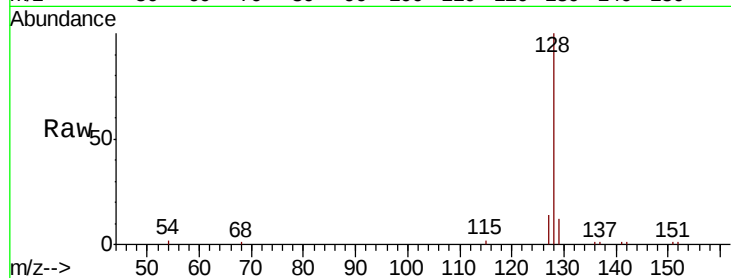
Tot Ion:128 Resp: 7173

Ion Ratio Lower Upper

128 100

129 11.9 10.3 15.5

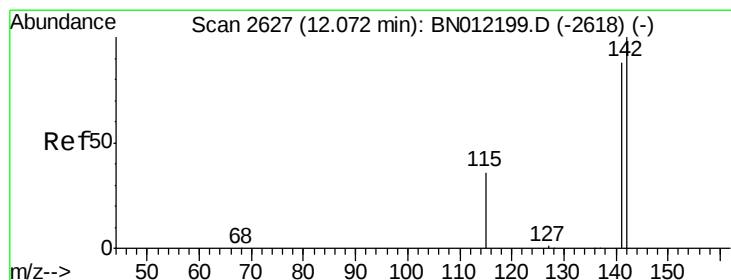
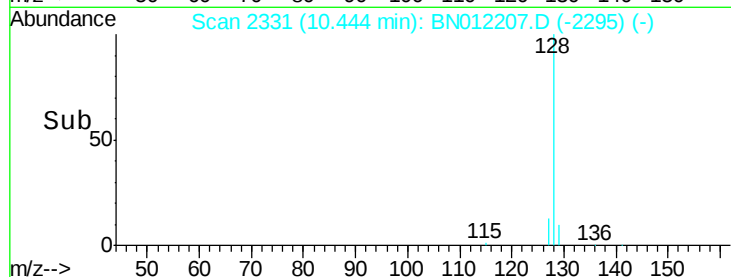
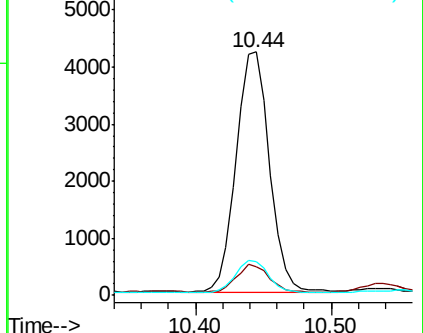
127 13.9 11.9 17.9



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: 0.100 ng/ul

RT: 12.07 min Scan# 2626

Delta R.T. -0.01 min

Lab File: BN012207.D

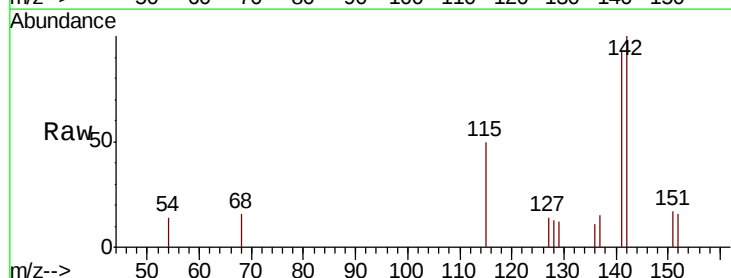
Acq: 14 Oct 2020 22:43

Tgt Ion:142 Resp: 885

Ion Ratio Lower Upper

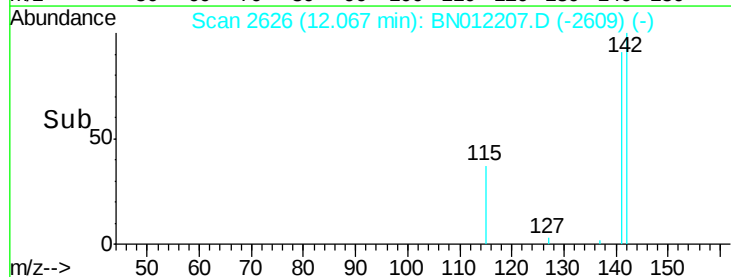
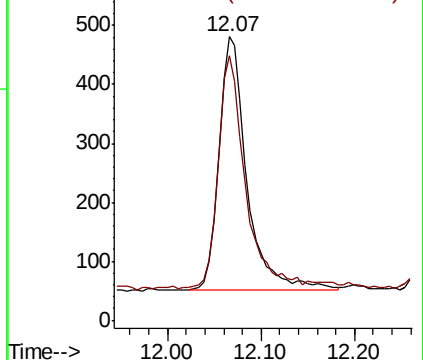
142 100

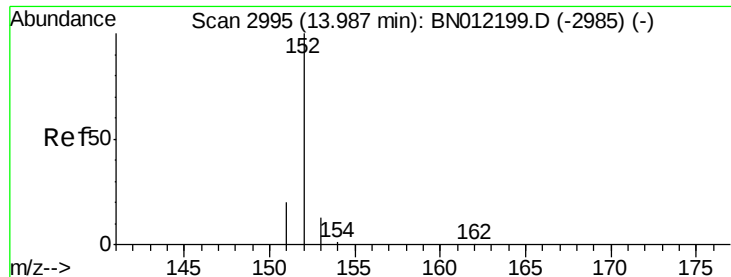
141 91.5 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.164 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. -0.01 min

Lab File: BN012207.D

Acq: 14 Oct 2020 22:43

Instrument :

BNA_N

ClientSampleId :

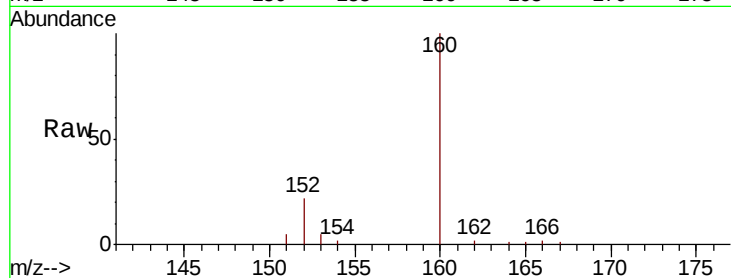
Tot Ion:152 Resp: 2086

Ion Ratio Lower Upper

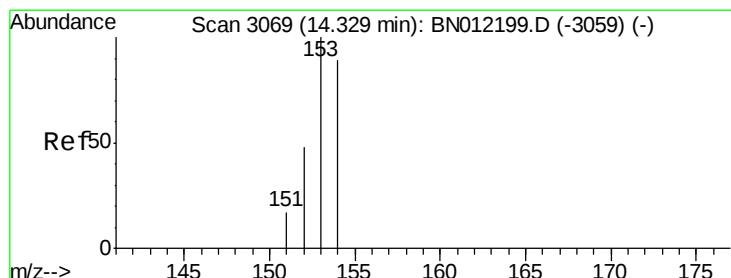
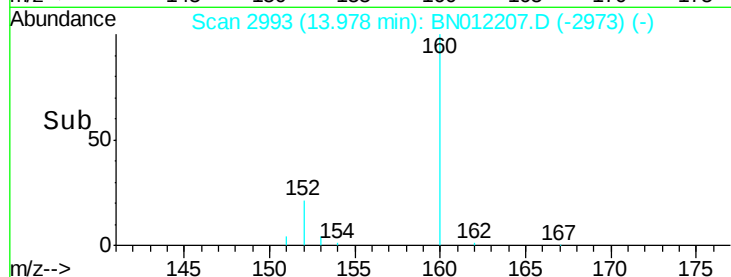
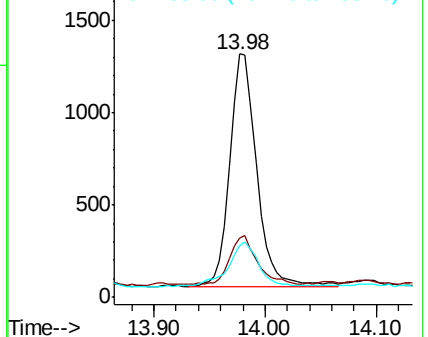
152 100

151 24.1 16.7 25.1

153 21.2 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



#8

Acenaphthene

Concen: 3.375 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. -0.00 min

Lab File: BN012207.D

Acq: 14 Oct 2020 22:43

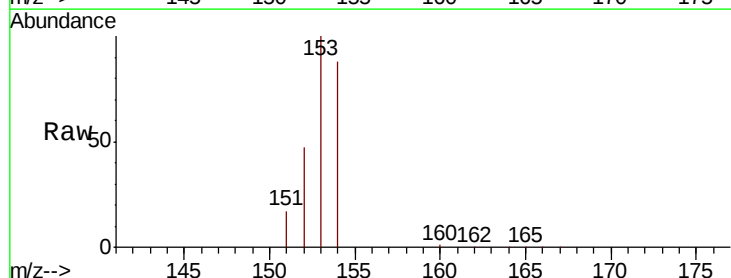
Tgt Ion:153 Resp: 36228

Ion Ratio Lower Upper

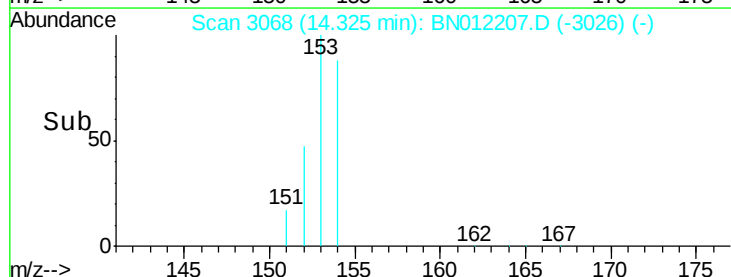
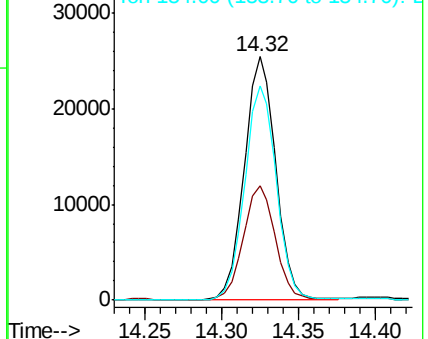
153 100

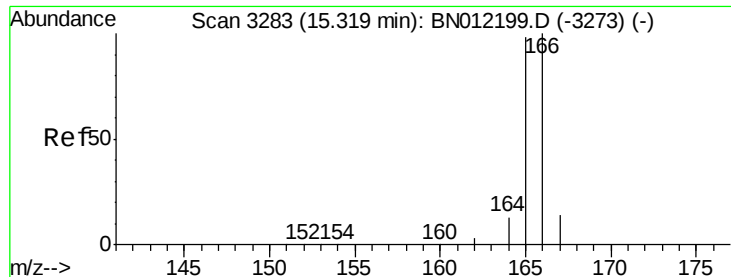
152 47.1 38.2 57.2

154 87.8 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

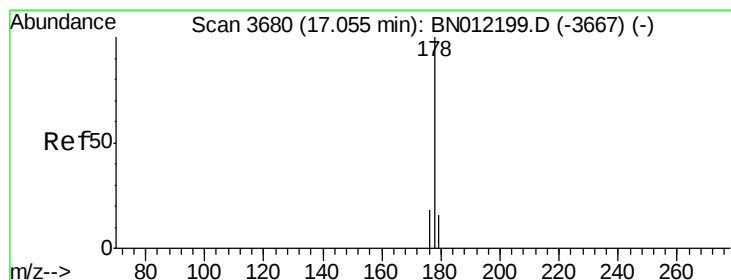
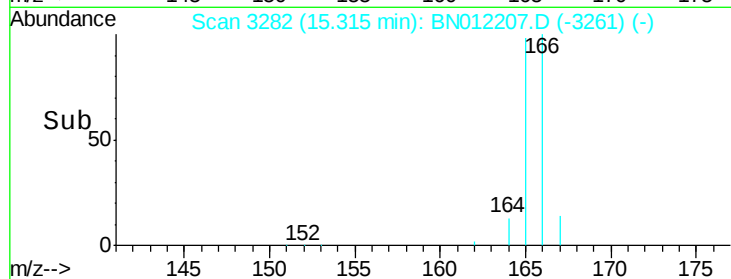
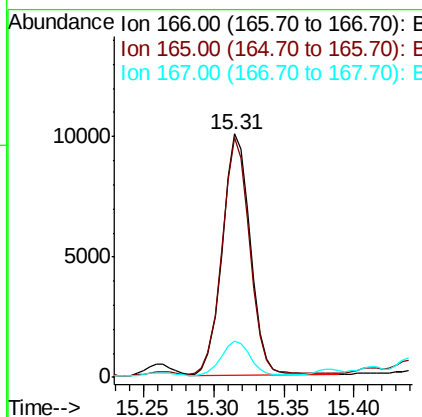
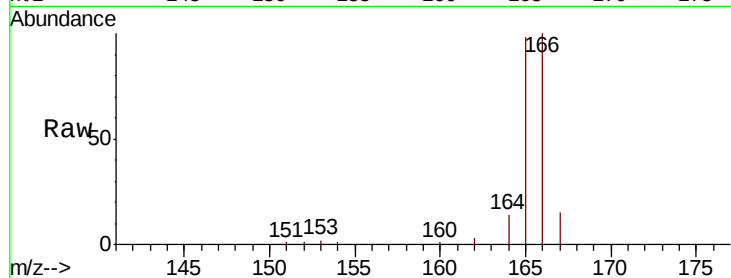




#9
Fluorene
 Concen: 1.161 ng/ul
 RT: 15.31 min Scan# 3282
 Delta R.T. -0.00 min
 Lab File: BN012207.D
 Acq: 14 Oct 2020 22:43

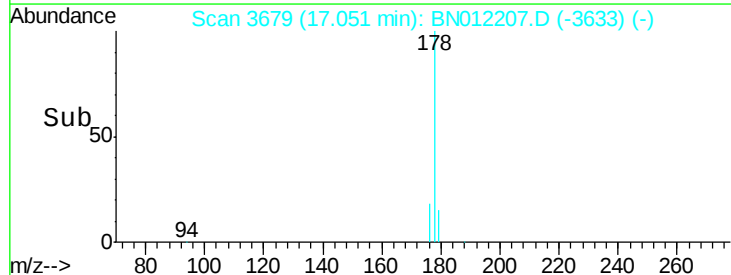
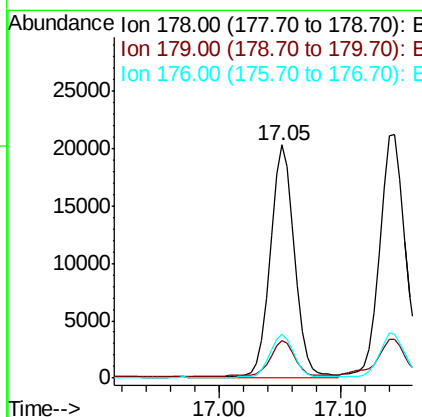
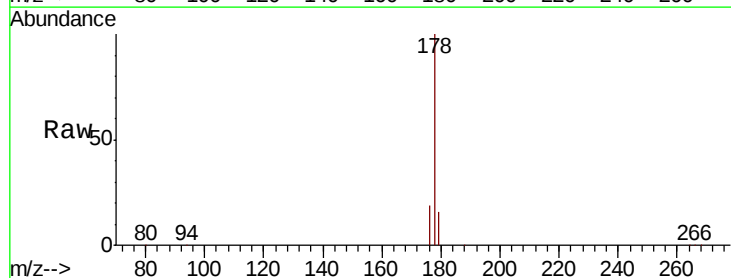
Instrument :
 BNA_N
 ClientSampleId :

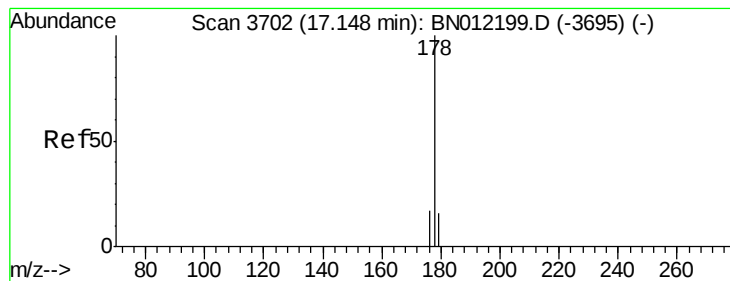
Tot Ion:166 Resp: 13875
 Ion Ratio Lower Upper
 166 100
 165 98.4 78.6 118.0
 167 15.1 11.9 17.9



#12
Phenanthrene
 Concen: 1.405 ng/ul
 RT: 17.05 min Scan# 3679
 Delta R.T. -0.00 min
 Lab File: BN012207.D
 Acq: 14 Oct 2020 22:43

Tgt Ion:178 Resp: 27768
 Ion Ratio Lower Upper
 178 100
 179 16.0 13.4 20.2
 176 18.8 15.7 23.5





#13

Anthracene

Concen: 1.791 ng/ul

RT: 17.14 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BN012207.D

Acq: 14 Oct 2020 22:43

Instrument :

BNA_N

ClientSampleId :

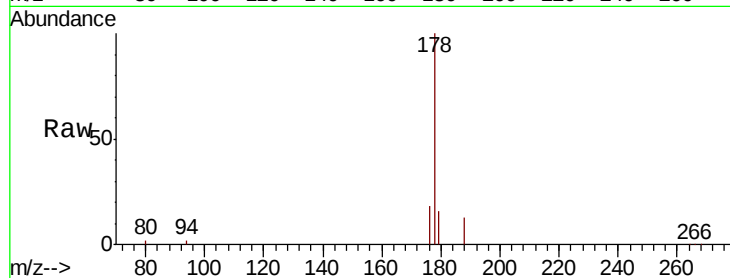
Tot Ion:178 Resp: 30349

Ion Ratio Lower Upper

178 100

179 16.2 13.9 20.9

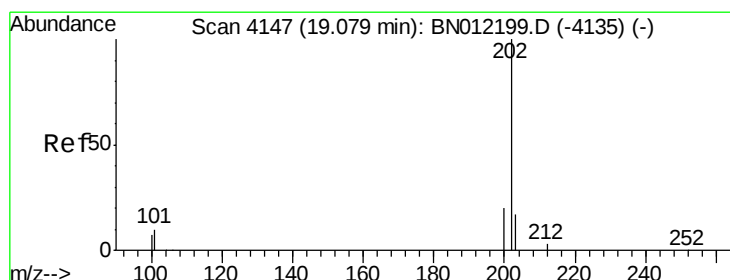
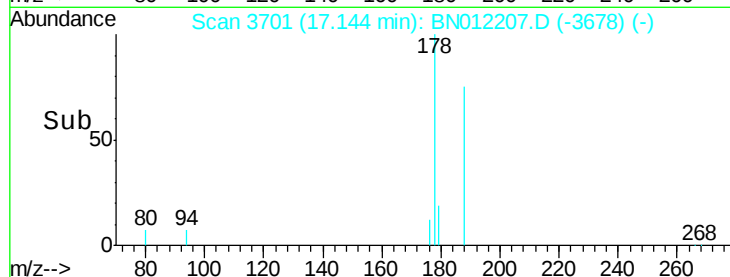
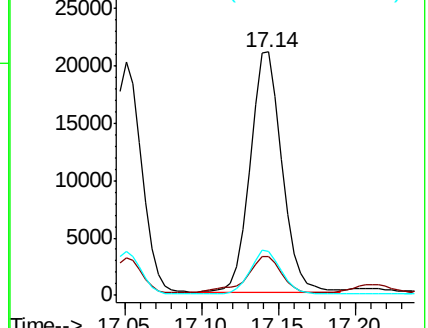
176 18.1 15.4 23.0



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: 6.866 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. -0.00 min

Lab File: BN012207.D

Acq: 14 Oct 2020 22:43

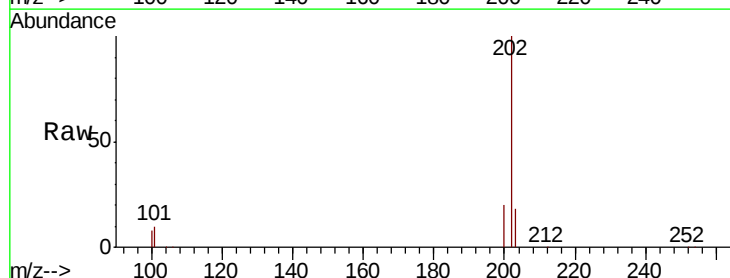
Tgt Ion:202 Resp: 158631

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.0

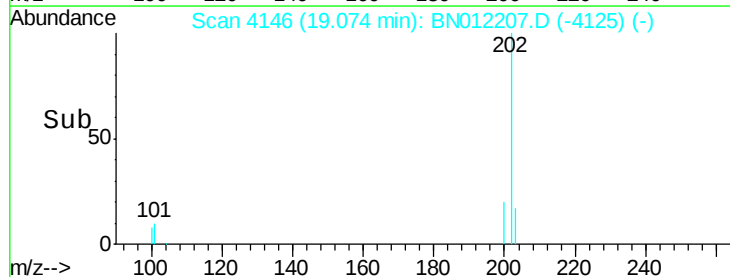
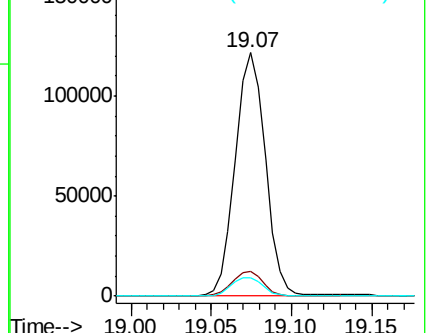
100 7.7 0.0 28.7

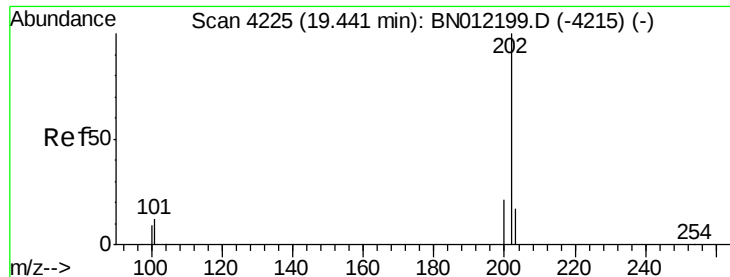


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

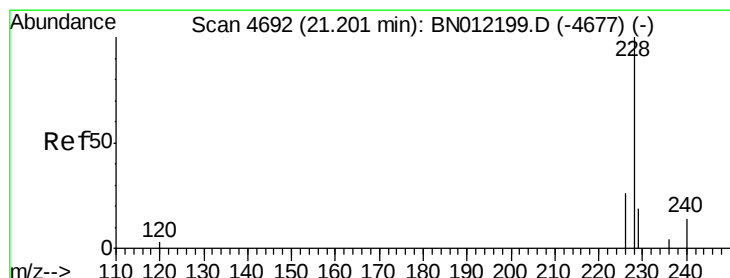
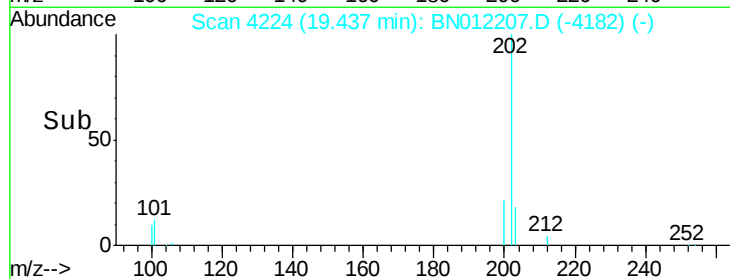
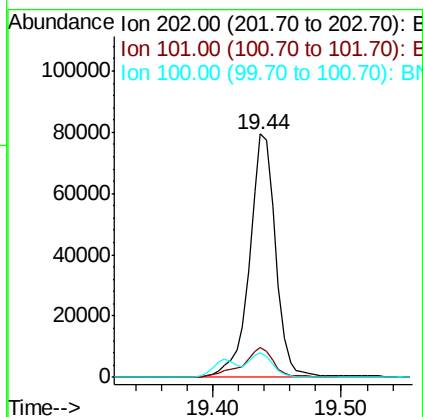
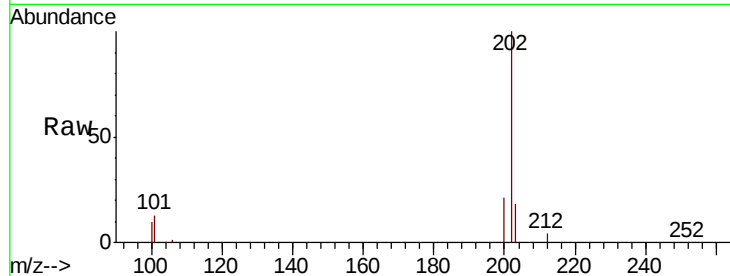




#17
Pvrene
Concen: 4.121 ng/ul
RT: 19.44 min Scan# 4224
Delta R.T. -0.00 min
Lab File: BN012207.D
Acq: 14 Oct 2020 22:43

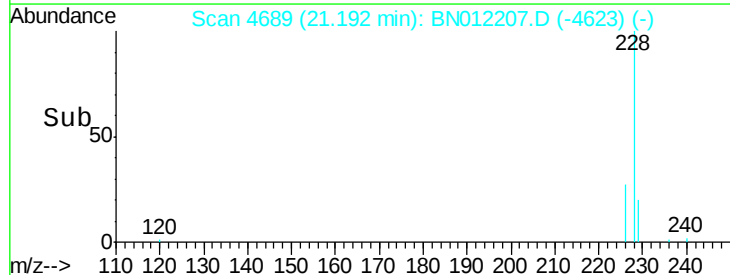
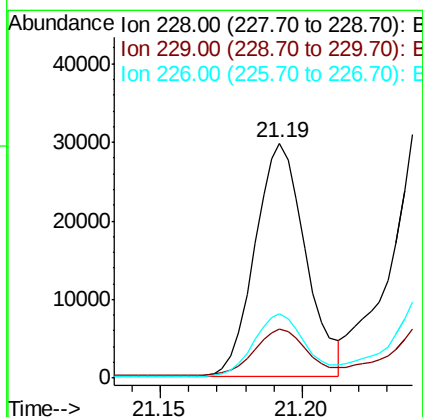
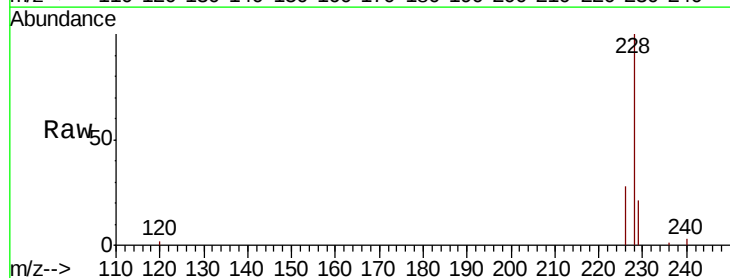
Instrument :
BNA_N
ClientSampleId :

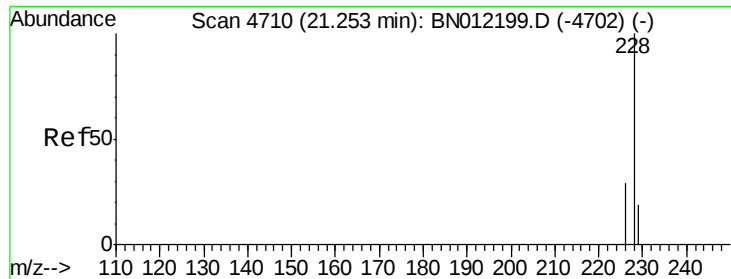
Tot Ion:202 Resp: 110899
Ion Ratio Lower Upper
202 100
101 12.5 9.9 14.9
100 10.4 8.0 12.0



#18
Benzo(a)anthracene
Concen: 1.669 ng/ul
RT: 21.19 min Scan# 4689
Delta R.T. -0.01 min
Lab File: BN012207.D
Acq: 14 Oct 2020 22:43

Tgt Ion:228 Resp: 36903
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.8
226 27.5 22.6 33.8





#19

Chrysene

Concen: 1.900 ng/ul

RT: 21.24 min Scan# 4707

Delta R.T. -0.01 min

Lab File: BN012207.D

Acq: 14 Oct 2020 22:43

Instrument :

BNA_N

ClientSampleId :

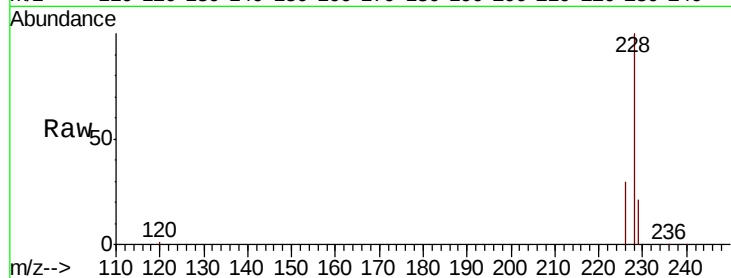
Tot Ion:228 Resp: 51175

Ion Ratio Lower Upper

228 100

226 29.7 24.6 37.0

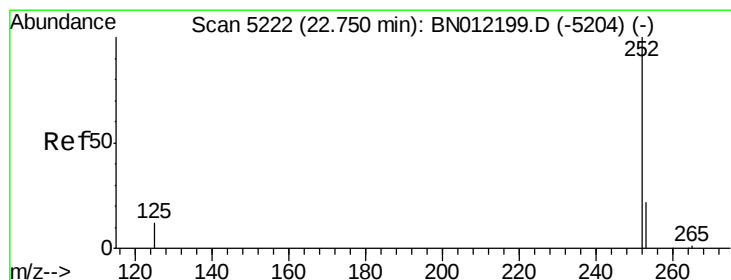
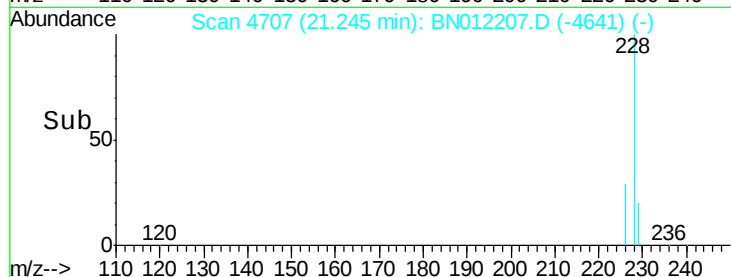
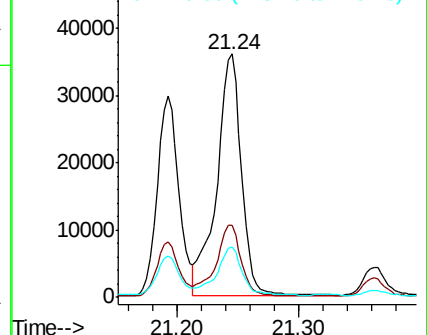
229 20.6 17.0 25.6



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: 2.009 ng/ul

RT: 22.74 min Scan# 5219

Delta R.T. -0.01 min

Lab File: BN012207.D

Acq: 14 Oct 2020 22:43

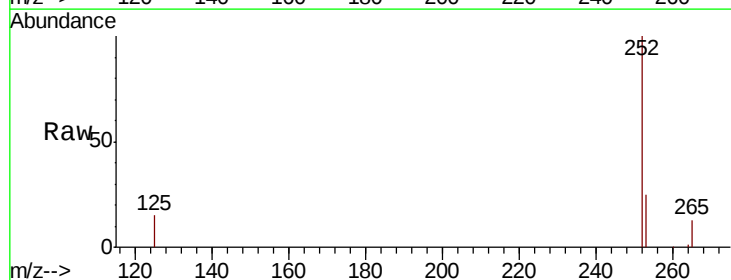
Tgt Ion:252 Resp: 53380

Ion Ratio Lower Upper

252 100

253 25.1 0.0 61.6

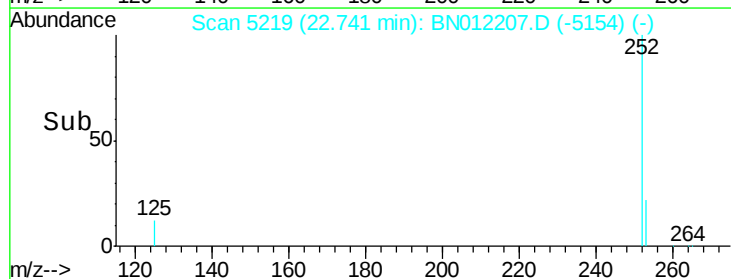
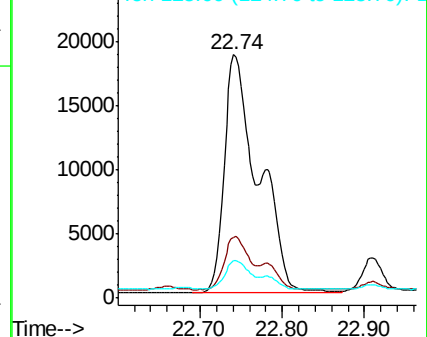
125 15.2 0.0 36.8

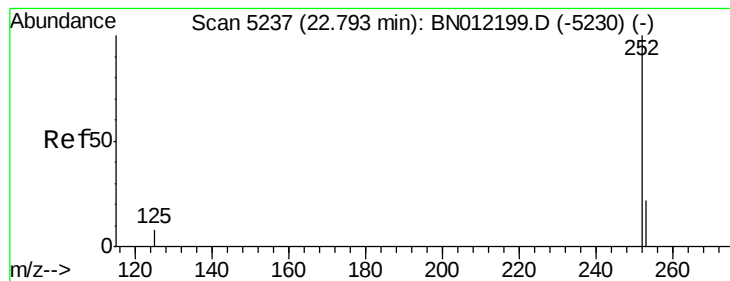


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.815 ng/ul

RT: 22.74 min Scan# 5219

Delta R.T. -0.05 min

Lab File: BN012207.D

Acq: 14 Oct 2020 22:43

Instrument :

BNA_N

ClientSampleId :

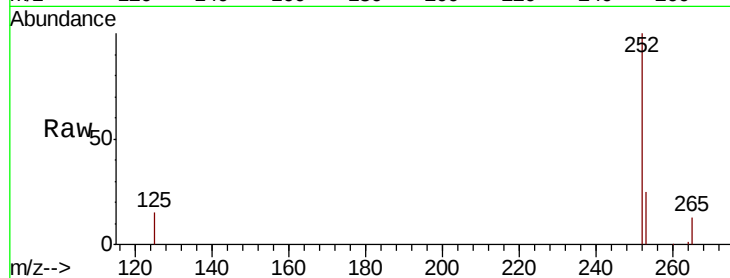
Tot Ion:252 Resp: 53380

Ion Ratio Lower Upper

252 100

253 25.1 24.4 36.6

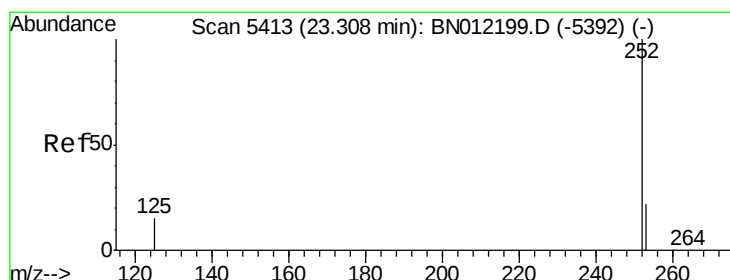
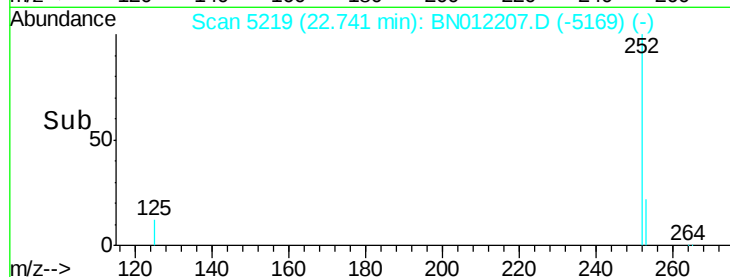
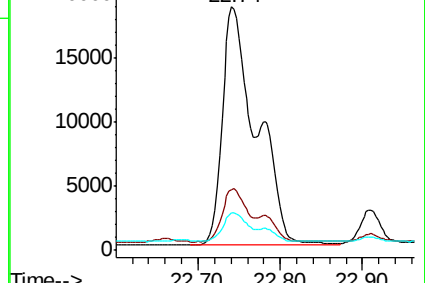
125 15.2 12.9 19.3



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: 0.381 ng/ul

RT: 23.21 min Scan# 5378

Delta R.T. -0.10 min

Lab File: BN012207.D

Acq: 14 Oct 2020 22:43

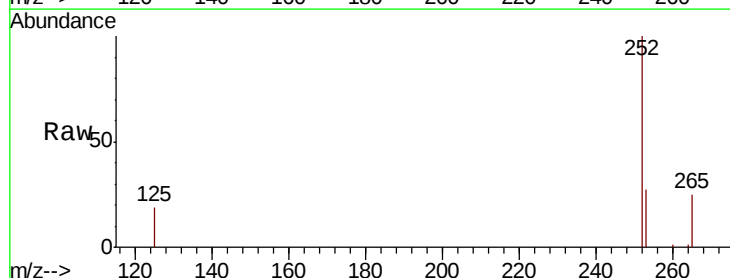
Tgt Ion:252 Resp: 9848

Ion Ratio Lower Upper

252 100

253 27.1 27.0 40.4

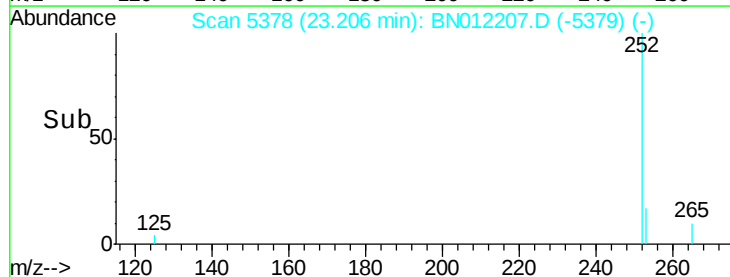
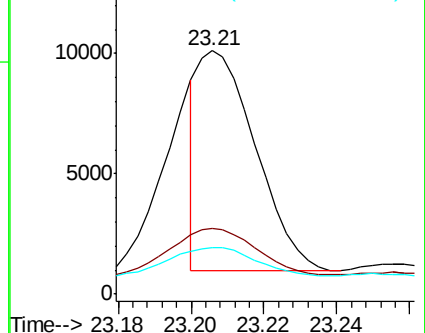
125 19.2 18.8 28.2

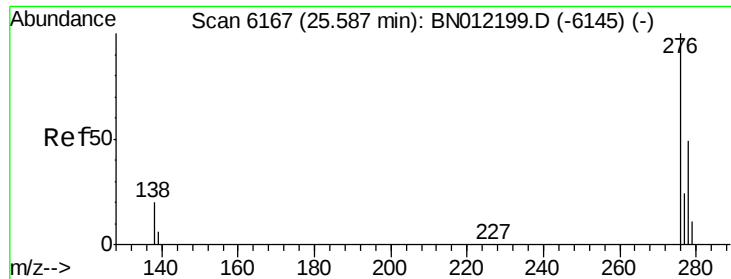


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



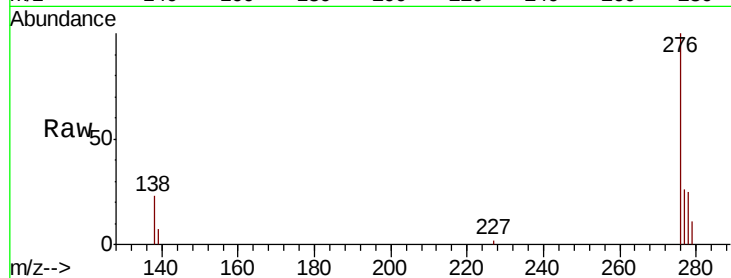


#24

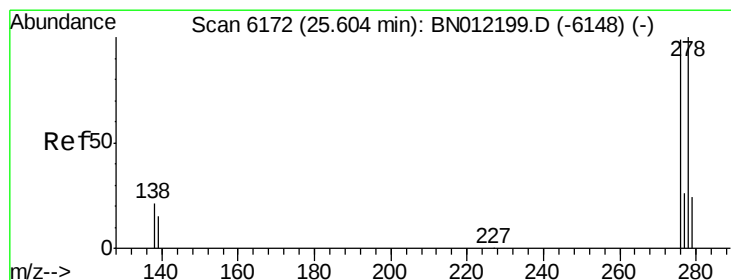
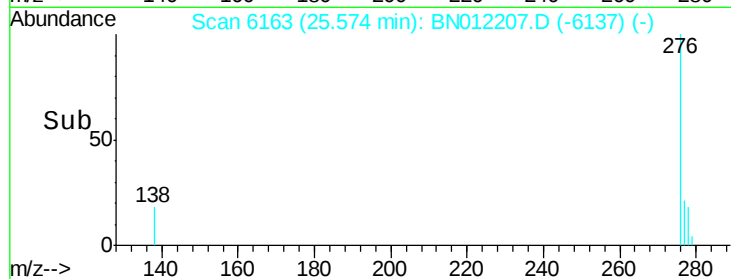
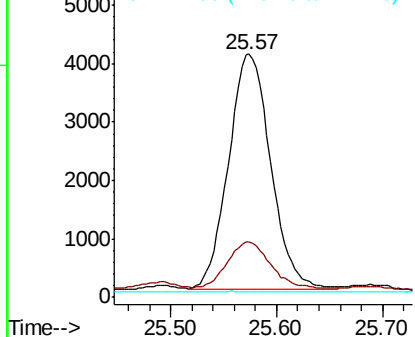
Indeno(1,2,3-cd)pyrene
Concen: 0.333 ng/ul
RT: 25.57 min Scan# 6163
Delta R.T. -0.01 min
Lab File: BN012207.D
Acq: 14 Oct 2020 22:43

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 11067
Ion Ratio Lower Upper
276 100
138 20.4 0.0 0.0#
227 0.0 0.0 0.0#



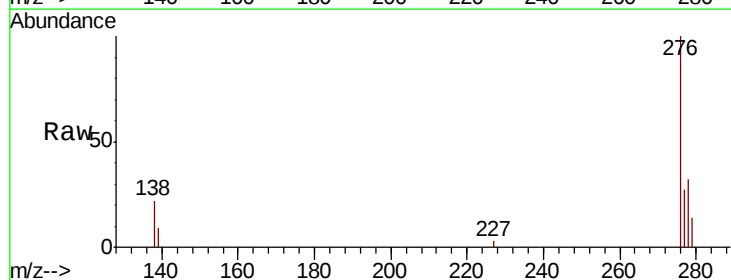
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



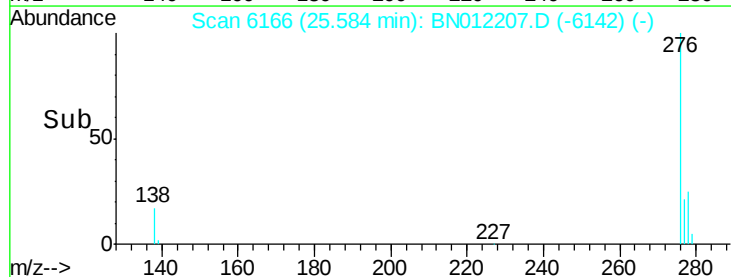
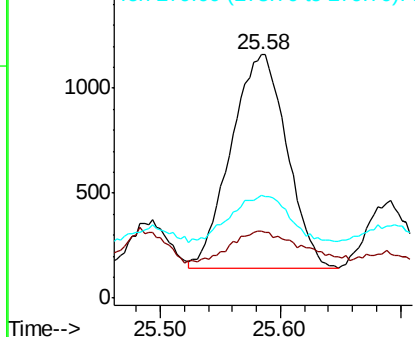
#25

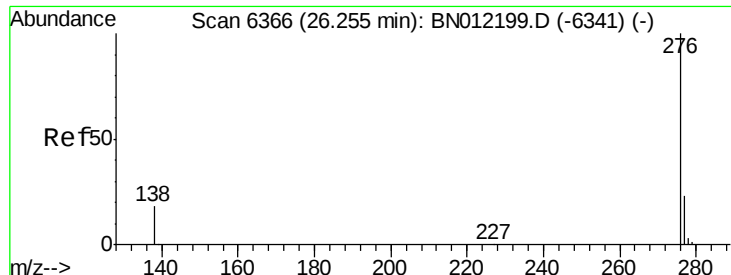
Dibenzo(a,h)anthracene
Concen: 0.123 ng/ul
RT: 25.58 min Scan# 6166
Delta R.T. -0.02 min
Lab File: BN012207.D
Acq: 14 Oct 2020 22:43

Tgt Ion:278 Resp: 3276
Ion Ratio Lower Upper
278 100
139 27.3 15.7 23.5#
279 42.4 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: 0.327 ng/ul

RT: 26.24 min Scan# 6363

Delta R.T. -0.01 min

Lab File: BN012207.D

Acq: 14 Oct 2020 22:43

Instrument :

BNA_N

ClientSampleId :

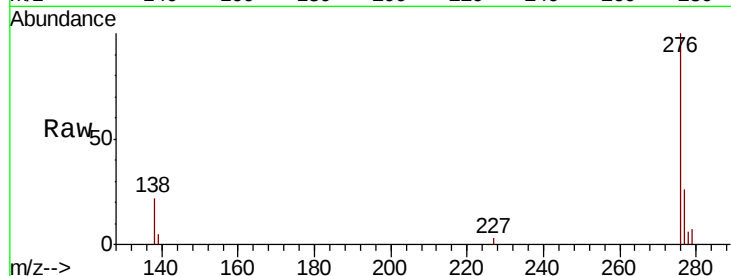
Tot Ion: 276 Resp: 9961

Ion Ratio Lower Upper

276 100

138 22.4 17.1 25.7

277 26.0 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

