

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN013020.D
 Acq On : 09 Dec 2020 20:08
 Operator : CG/JU
 Sample : L4941-07
 Misc :
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 10 01:00:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 10 00:40:41 2020
 Response via : Initial Calibration

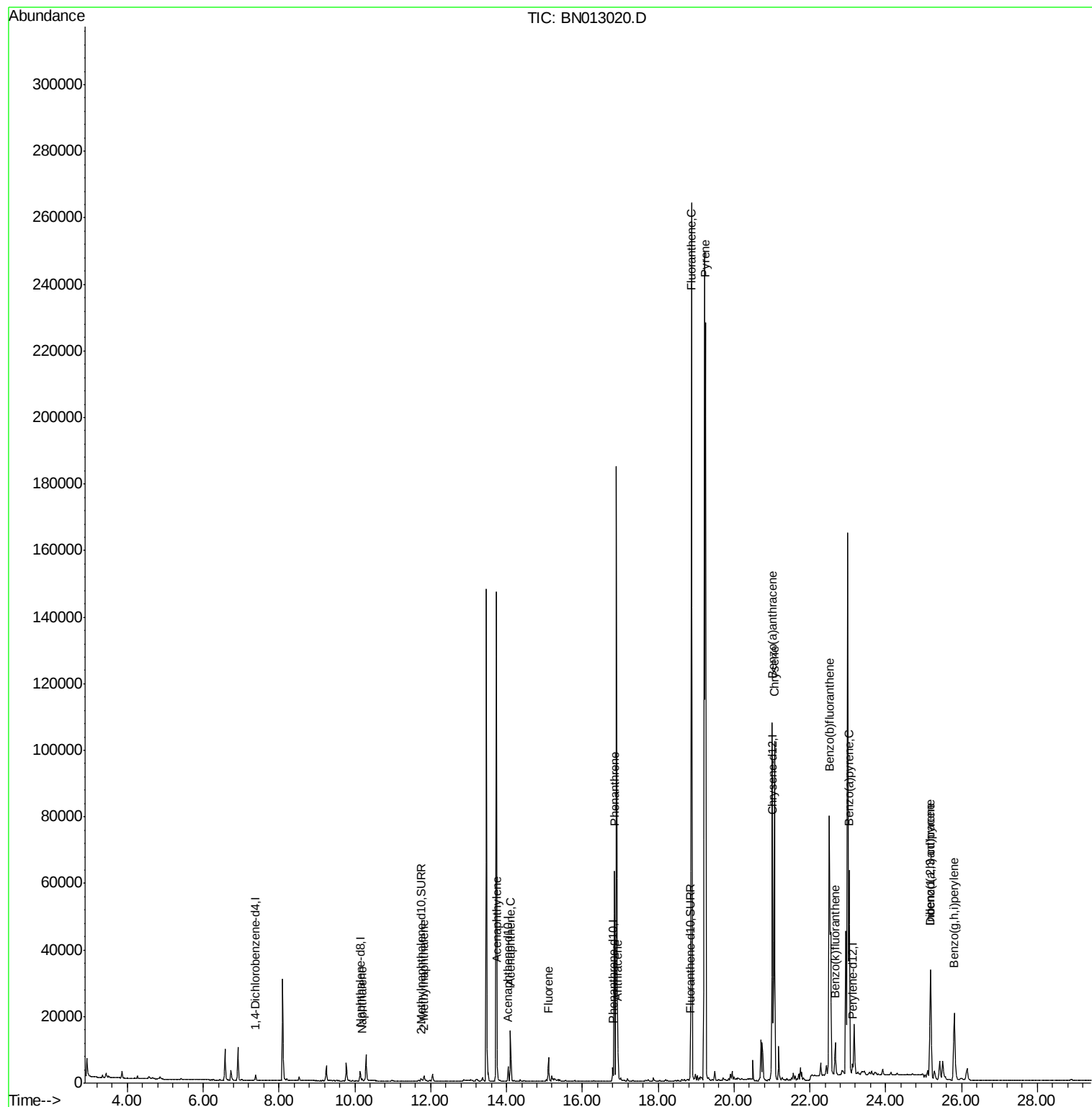
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	904	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.14	136	3795	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.05	164	2184	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4572	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	3848	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	3321	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	1009	0.18	ng/ul	-0.01
14) Fluoranthene-d10	18.85	212	2446	0.20	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.19	128	1017	0.093	ng/ul#	94
5) 2-Methylnaphthalene	11.82	142	1377	0.191	ng/ul	100
7) Acenaphthylene	13.76	152	1504	0.145	ng/ul	95
8) Acenaphthene	14.11	153	8694	1.025	ng/ul	97
9) Fluorene	15.11	166	4379	0.450	ng/ul	98
12) Phenanthrene	16.84	178	63848	4.165	ng/ul	96
13) Anthracene	16.94	178	8148	0.625	ng/ul	95
15) Fluoranthene	18.88	202	211987	11.637	ng/ul	98
17) Pyrene	19.25	202	182617	10.047	ng/ul	98
18) Benzo(a)anthracene	21.01	228	86963	5.462	ng/ul	98
19) Chrysene	21.06	228	94555	5.375	ng/ul	98
21) Benzo(b)fluoranthene	22.51	252	160620	10.454	ng/ul	89
22) Benzo(k)fluoranthene	22.67	252	11230	0.661	ng/ul	96
23) Benzo(a)pyrene	23.04	252	72652	5.096	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.18	276	47965	2.561	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.19	278	10928	0.738	ng/ul	95
26) Benzo(a,h,i)perylene	25.81	276	38569	2.277	ng/ul	95

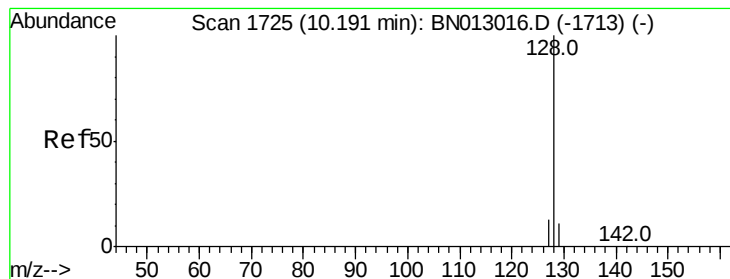
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.093 ng/ul

RT: 10.19 min Scan# 1725

Delta R.T. -0.01 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

Instrument :

BNA_N

ClientSampleId :

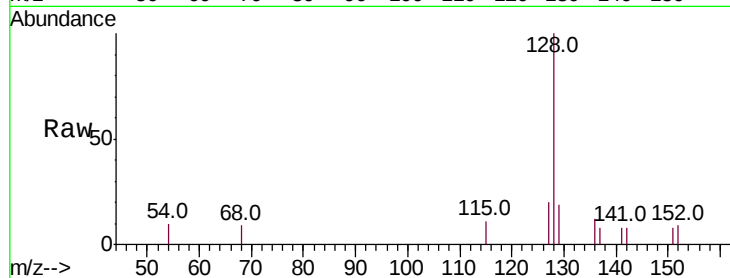
Tot Ion:128 Resp: 1017

Ion Ratio Lower Upper

128 100

129 18.6 12.3 18.5#

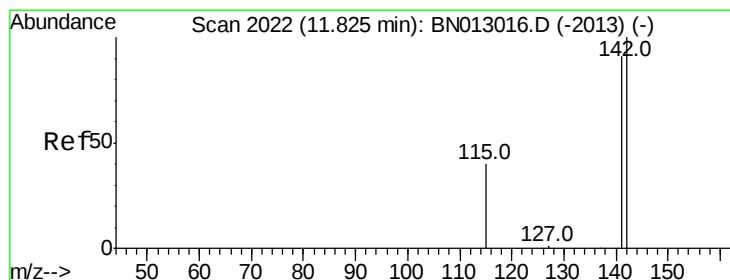
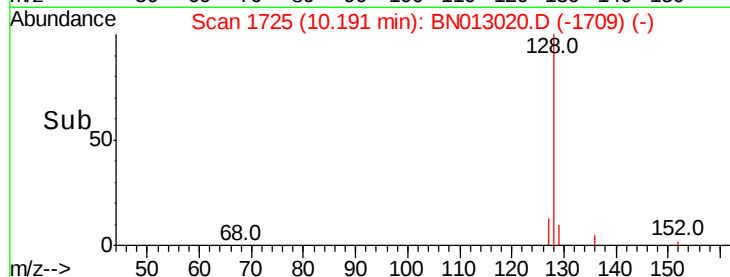
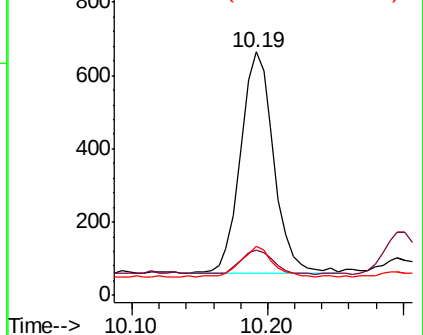
127 20.2 14.2 21.4



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: 0.191 ng/ul

RT: 11.82 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BN013020.D

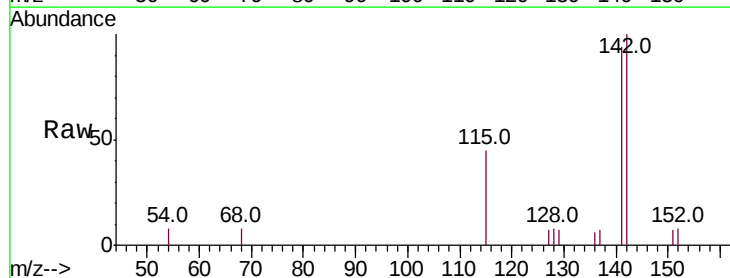
Acq: 09 Dec 2020 20:08

Tgt Ion:142 Resp: 1377

Ion Ratio Lower Upper

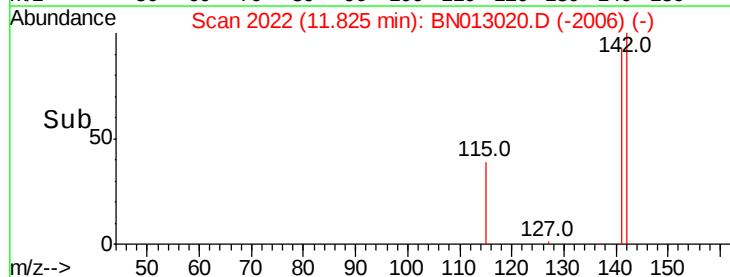
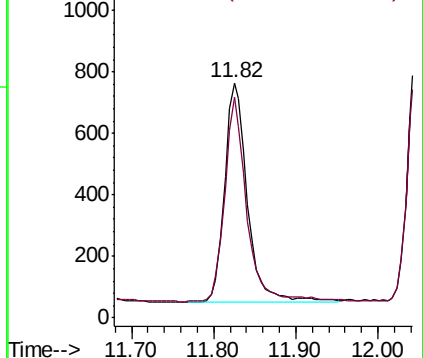
142 100

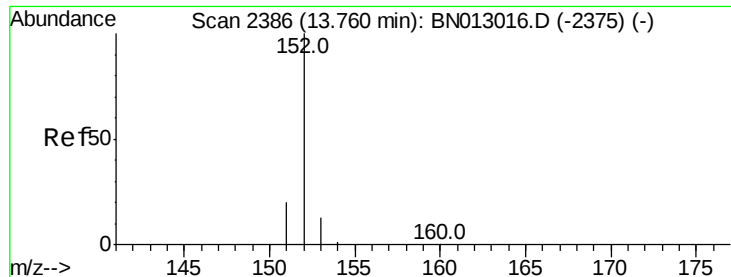
141 91.3 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.145 ng/ul

RT: 13.76 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

Instrument :

BNA_N

ClientSampled :

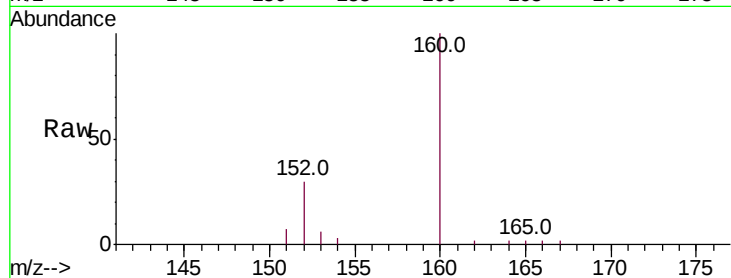
Tot Ion:152 Resp: 1504

Ion Ratio Lower Upper

152 100

151 24.3 18.2 27.4

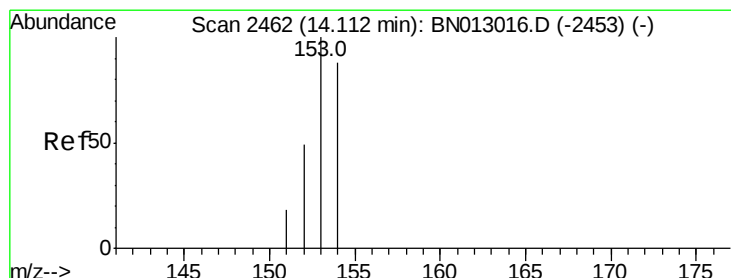
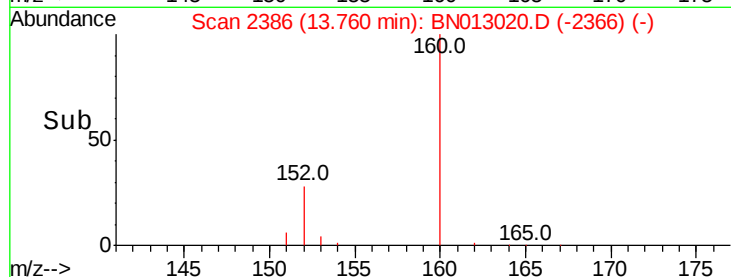
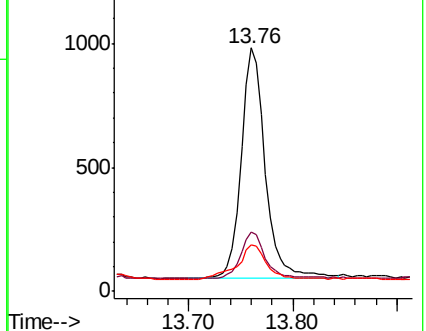
153 19.1 13.1 19.7



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: 1.025 ng/ul

RT: 14.11 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

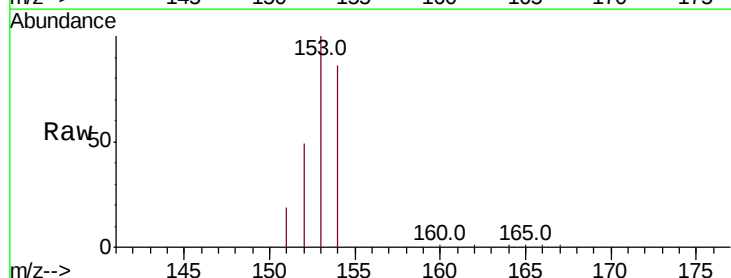
Tgt Ion:153 Resp: 8694

Ion Ratio Lower Upper

153 100

152 49.1 40.7 61.1

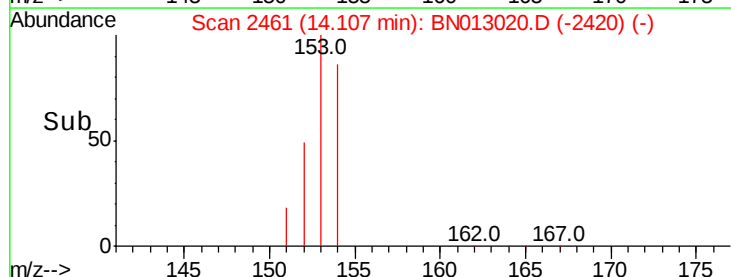
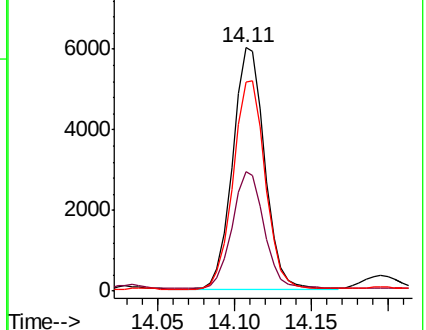
154 85.9 70.8 106.2

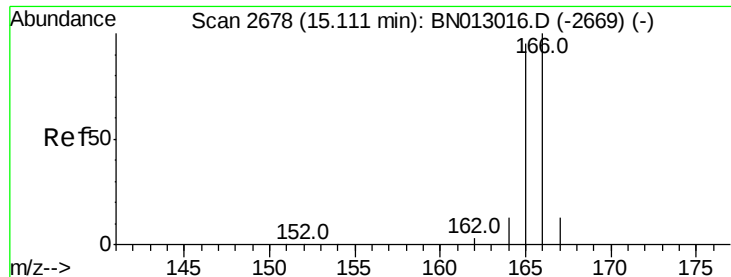


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.450 ng/ul

RT: 15.11 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

Instrument :

BNA_N

ClientSampleId :

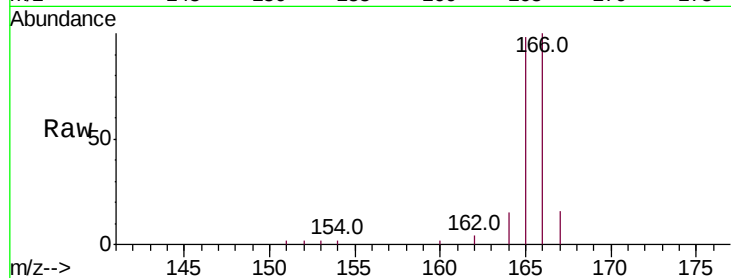
Tot Ion:166 Resp: 4379

Ion Ratio Lower Upper

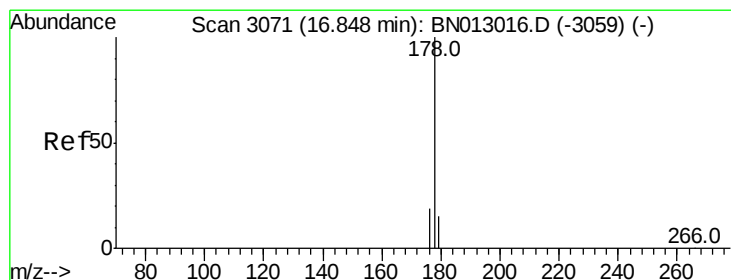
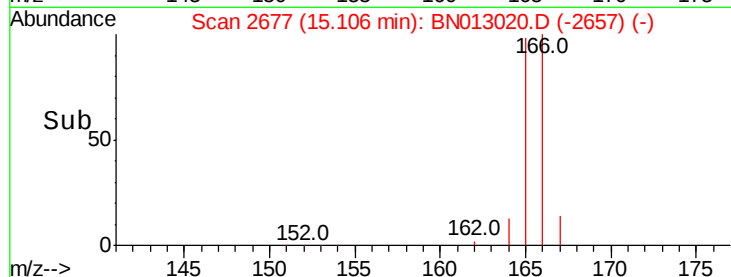
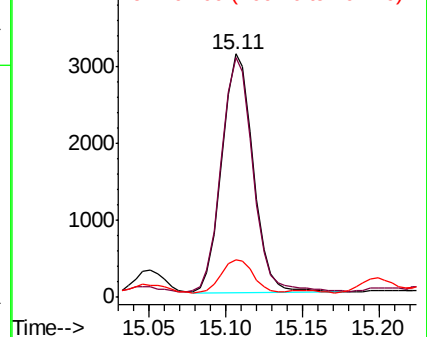
166 100

165 98.2 79.8 119.8

167 15.5 13.8 20.8



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: 4.165 ng/ul

RT: 16.84 min Scan# 3070

Delta R.T. -0.01 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

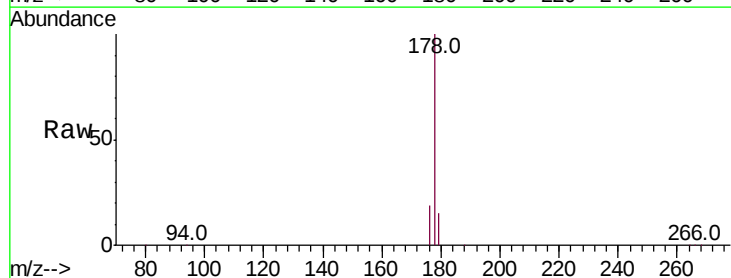
Tgt Ion:178 Resp: 63848

Ion Ratio Lower Upper

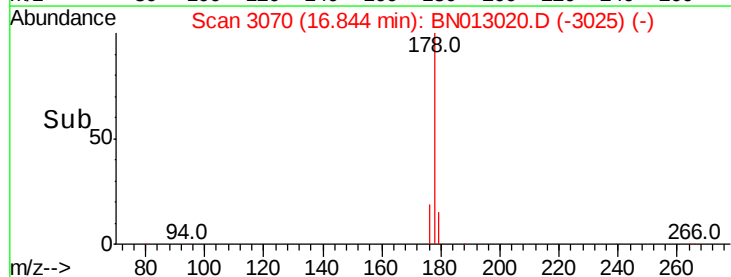
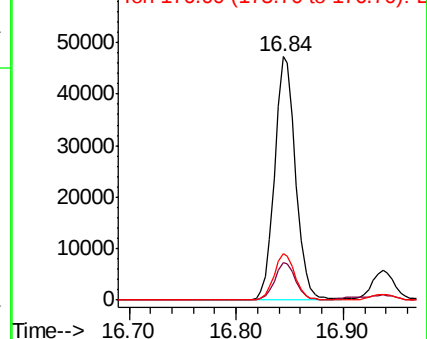
178 100

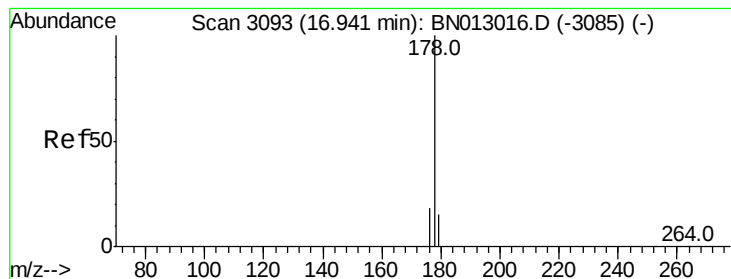
179 15.3 13.6 20.4

176 19.0 16.4 24.6



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: 0.625 ng/ul

RT: 16.94 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

Instrument :

BNA_N

ClientSampleId :

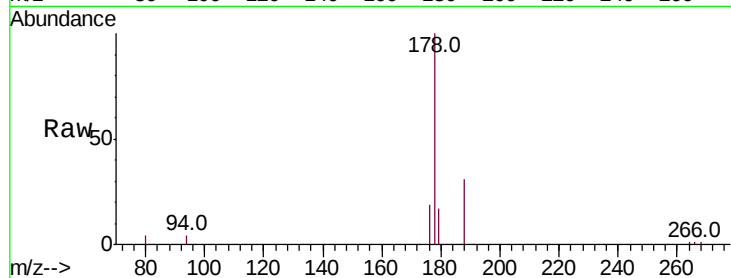
Tot Ion:178 Resp: 8148

Ion Ratio Lower Upper

178 100

179 16.6 14.6 21.8

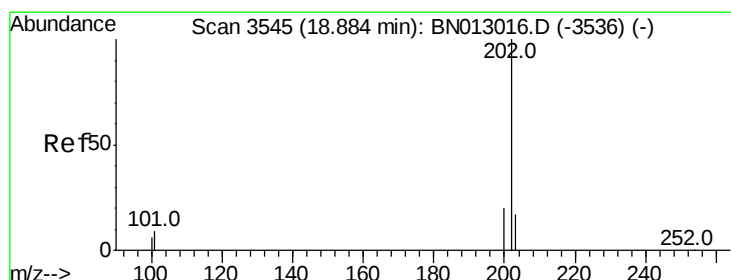
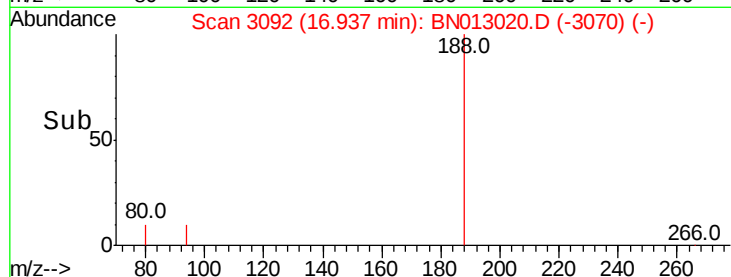
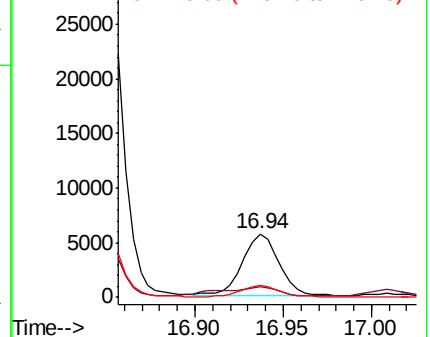
176 18.9 17.1 25.7



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: 11.637 ng/ul

RT: 18.88 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

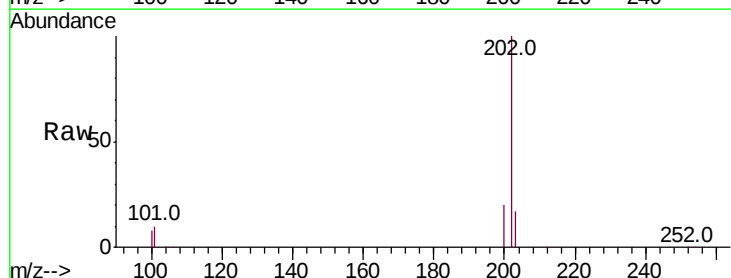
Tgt Ion:202 Resp: 211987

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.6

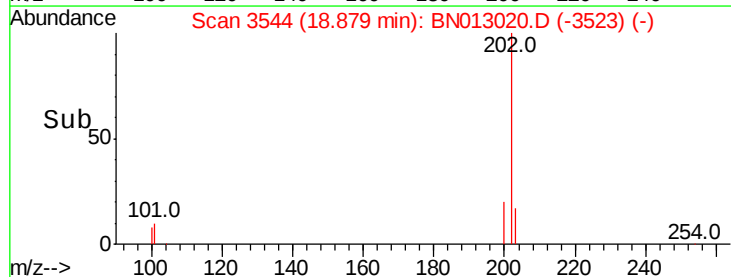
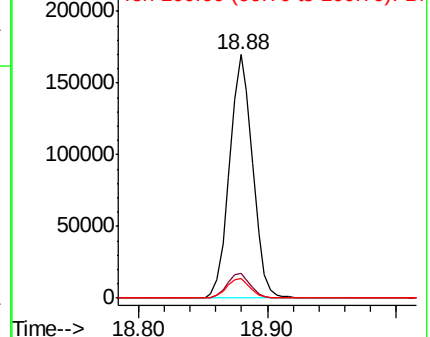
100 7.8 0.0 28.7

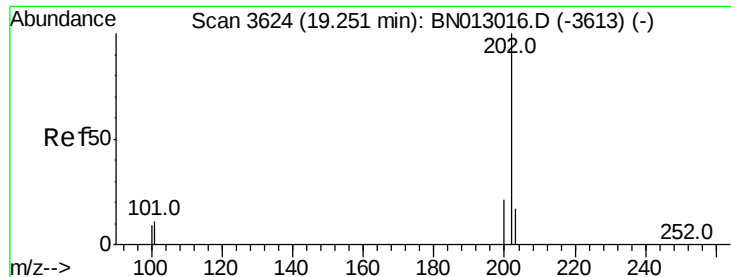


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 10.047 ng/ul

RT: 19.25 min Scan# 3623

Delta R.T. -0.00 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

Instrument :

BNA_N

ClientSampleId :

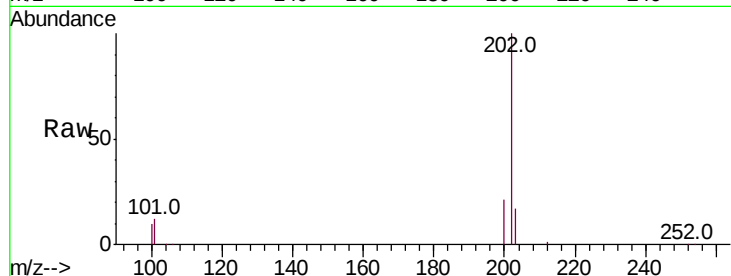
Tot Ion:202 Resp: 182617

Ion Ratio Lower Upper

202 100

101 12.0 9.1 13.7

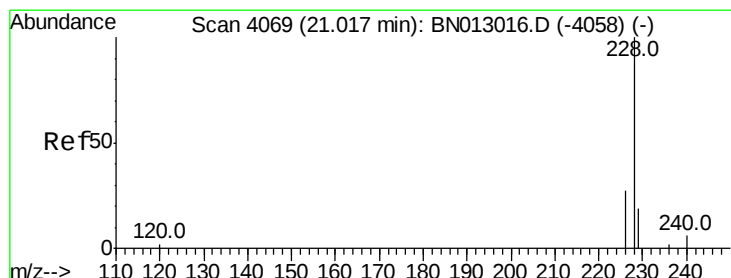
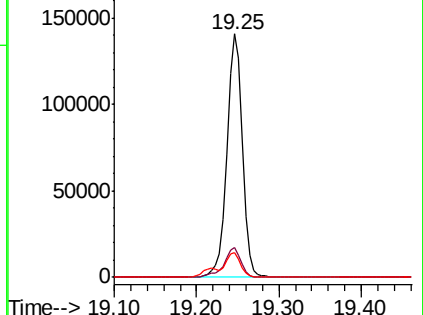
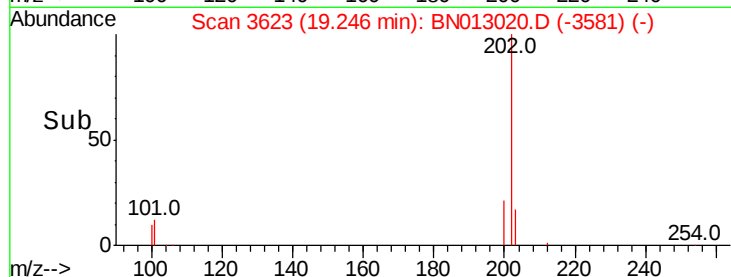
100 10.1 7.5 11.3



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: 5.462 ng/ul

RT: 21.01 min Scan# 4067

Delta R.T. -0.01 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

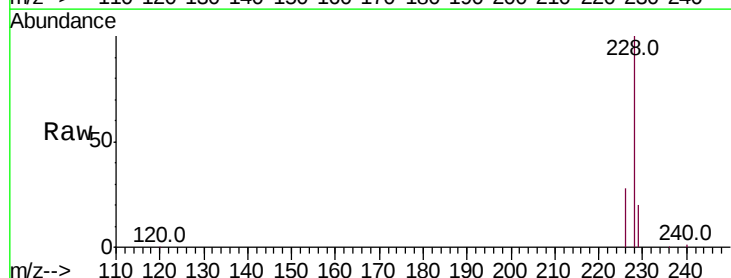
Tgt Ion:228 Resp: 86963

Ion Ratio Lower Upper

228 100

229 19.9 16.3 24.5

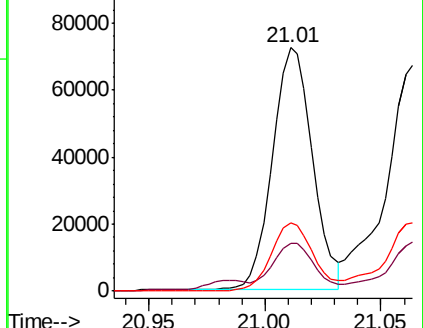
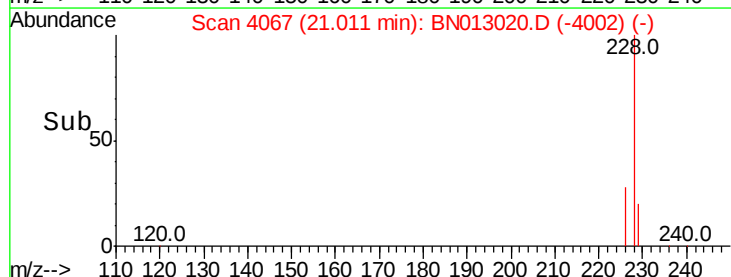
226 27.9 23.4 35.2

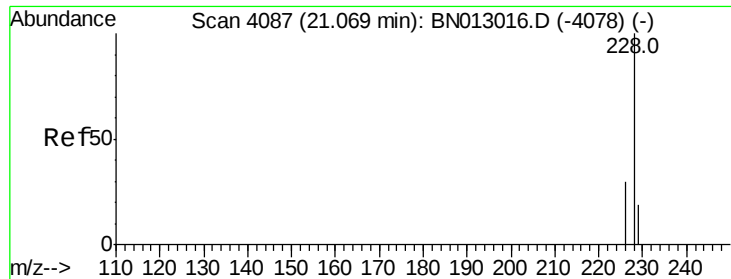


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 5.375 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. -0.01 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

Instrument :

BNA_N

ClientSampleId :

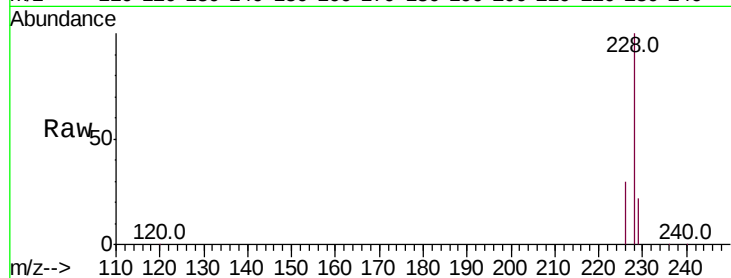
Tot Ion:228 Resp: 94555

Ion Ratio Lower Upper

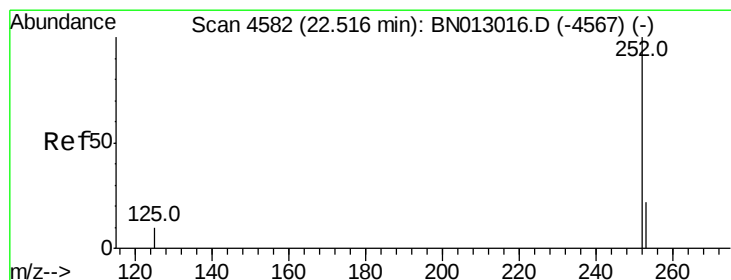
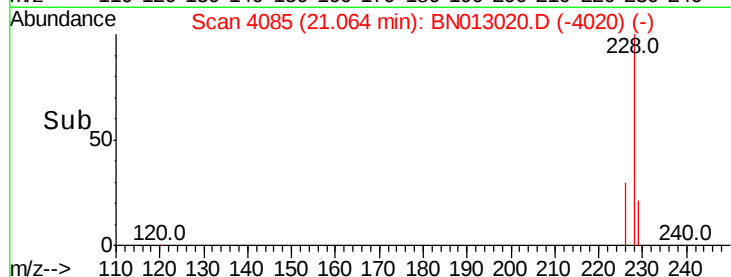
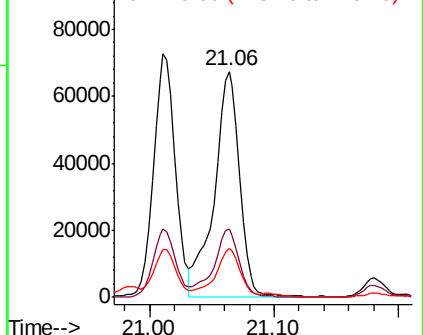
228 100

226 30.0 25.0 37.6

229 21.6 16.4 24.6



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: 10.454 ng/ul

RT: 22.51 min Scan# 4580

Delta R.T. -0.01 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

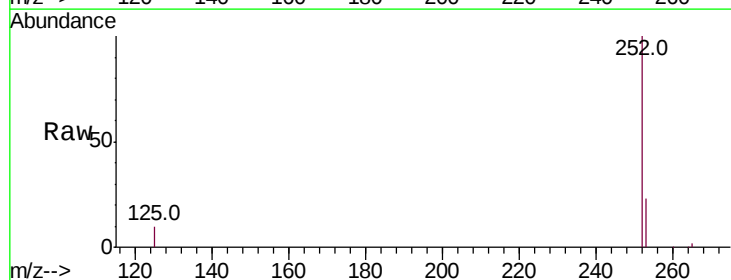
Tgt Ion:252 Resp: 160620

Ion Ratio Lower Upper

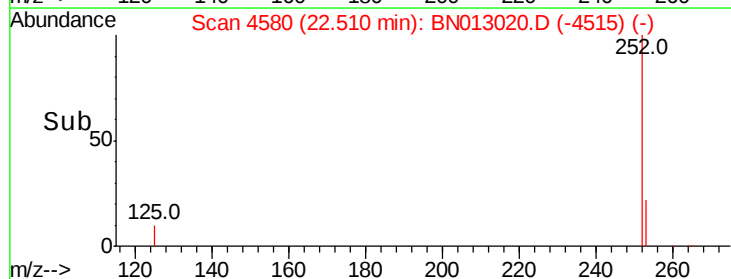
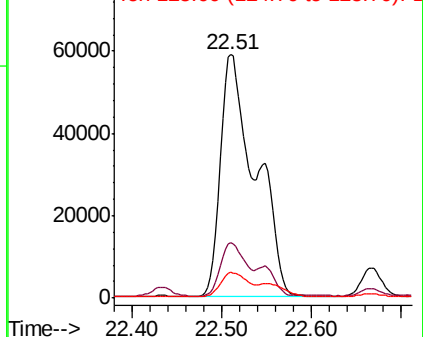
252 100

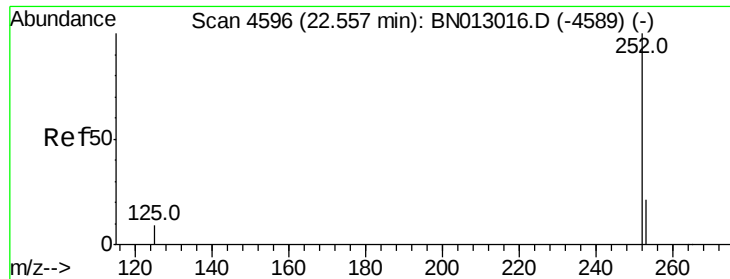
253 22.9 0.0 59.6

125 10.5 0.0 26.0



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

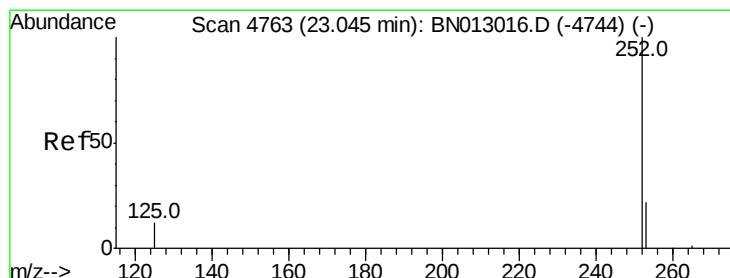
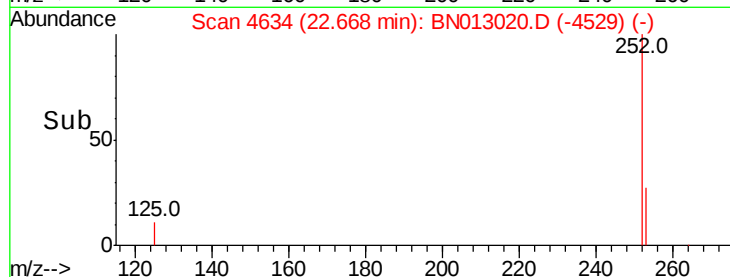
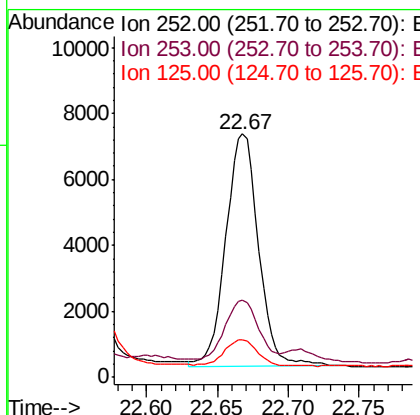
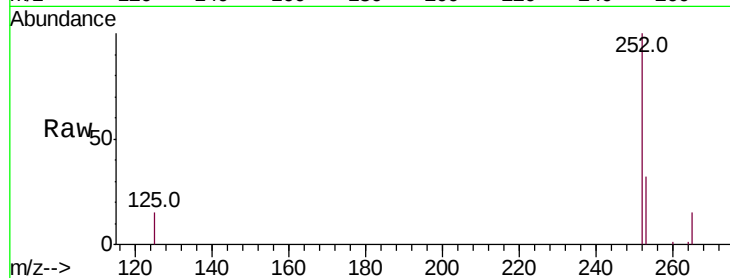




#22
Benzo(k)fluoranthene
Concen: 0.661 ng/ul
RT: 22.67 min Scan# 4634
Delta R.T. 0.11 min
Lab File: BN013020.D
Acq: 09 Dec 2020 20:08

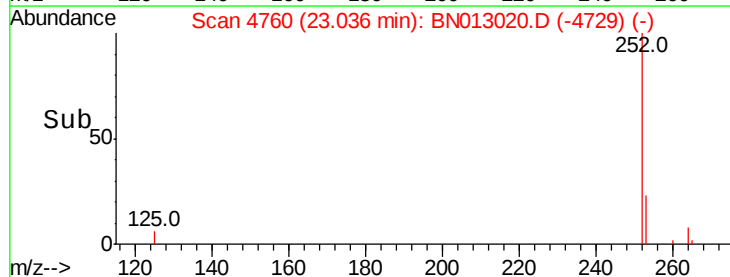
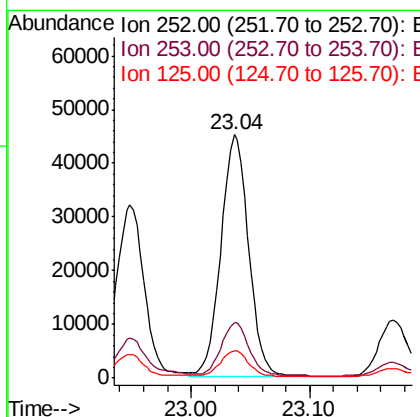
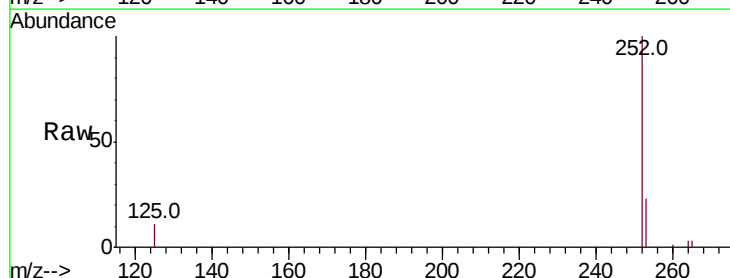
Instrument :
BNA_N
ClientSampleId :

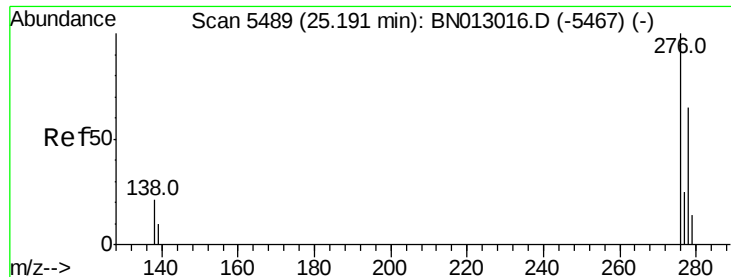
Tot Ion:252 Resp: 11230
Ion Ratio Lower Upper
252 100
253 31.7 23.4 35.2
125 15.5 11.1 16.7



#23
Benzo(a)pyrene
Concen: 5.096 ng/ul
RT: 23.04 min Scan# 4760
Delta R.T. -0.01 min
Lab File: BN013020.D
Acq: 09 Dec 2020 20:08

Tgt Ion:252 Resp: 72652
Ion Ratio Lower Upper
252 100
253 23.0 26.5 39.7#
125 11.5 14.2 21.2#



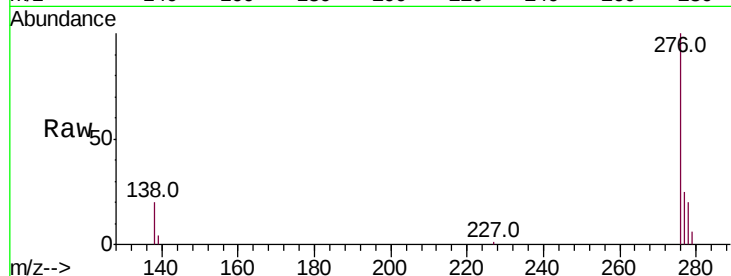


#24

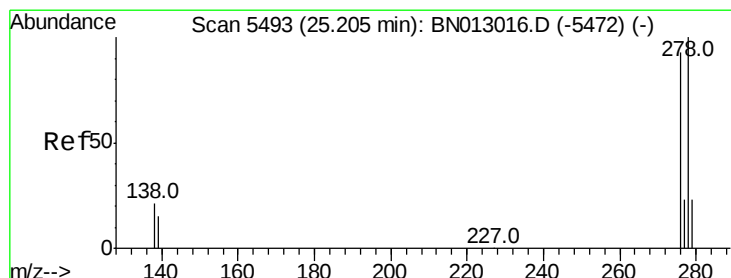
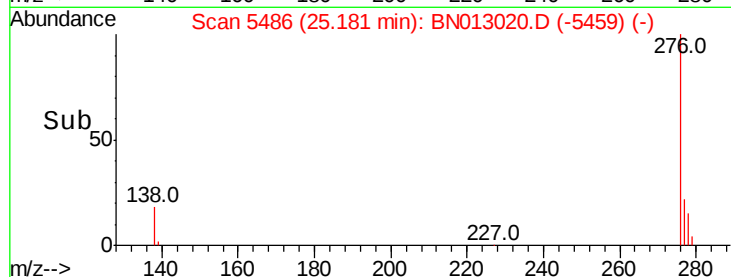
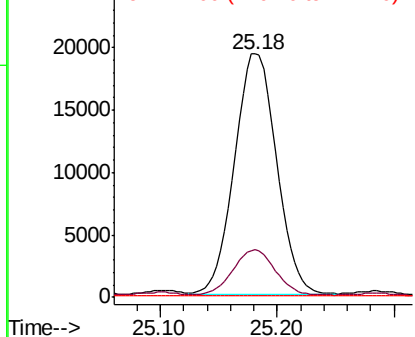
Indeno(1,2,3-cd)pyrene
Concen: 2.561 ng/uL
RT: 25.18 min Scan# 5486
Delta R.T. -0.01 min
Lab File: BN013020.D
Acq: 09 Dec 2020 20:08

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 47965
Ion Ratio Lower Upper
276 100
138 18.9 16.2 24.2
227 0.2 0.0 0.0#



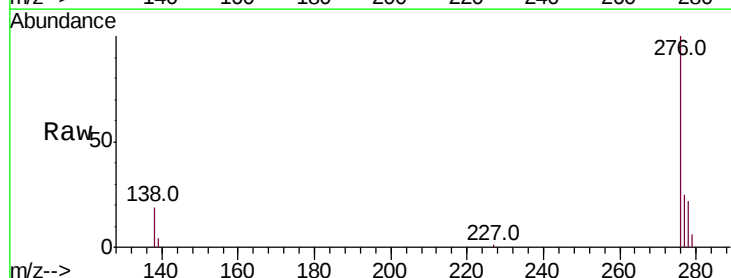
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



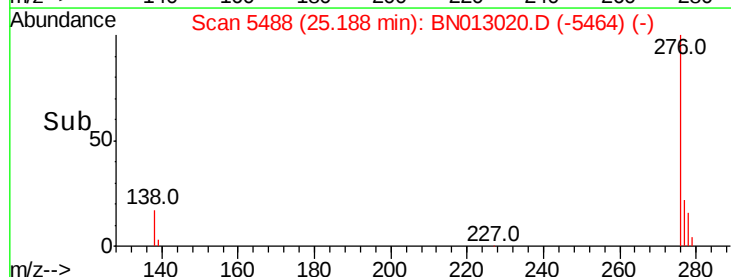
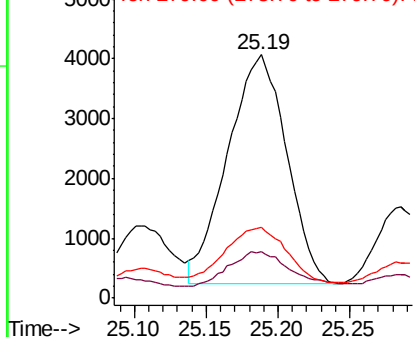
#25

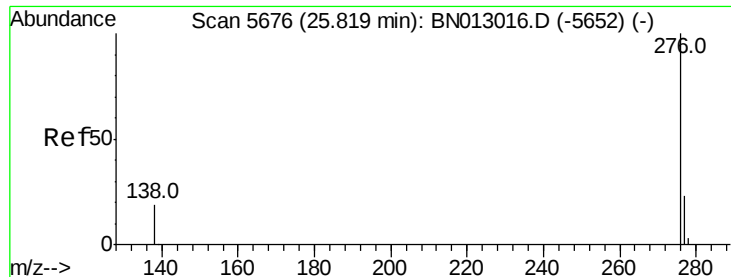
Dibenzo(a,h)anthracene
Concen: 0.738 ng/uL
RT: 25.19 min Scan# 5488
Delta R.T. -0.02 min
Lab File: BN013020.D
Acq: 09 Dec 2020 20:08

Tgt Ion:278 Resp: 10928
Ion Ratio Lower Upper
278 100
139 19.0 14.5 21.7
279 28.9 26.3 39.5



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: 2.277 ng/ul

RT: 25.81 min Scan# 5673

Delta R.T. -0.01 min

Lab File: BN013020.D

Acq: 09 Dec 2020 20:08

Instrument :

BNA_N

ClientSampleId :

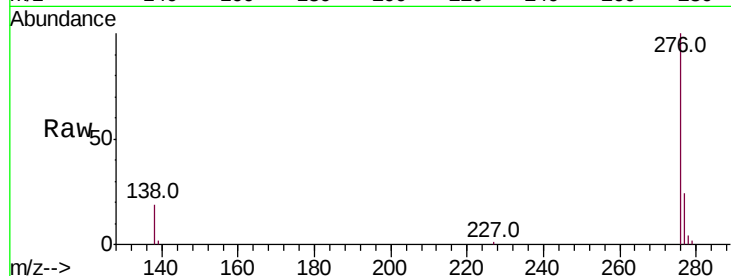
Tot Ion:276 Resp: 38569

Ion Ratio Lower Upper

276 100

138 19.4 16.3 24.5

277 24.0 21.8 32.6



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

