

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN013023.D
 Acq On : 09 Dec 2020 21:57
 Operator : CG/JU
 Sample : L4941-08
 Misc :
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 10 01:00:35 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	1020	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.14	136	4272	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.05	164	2473	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	5119	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	4071	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	3877	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	1085	0.17	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	2406	0.17	ng/ul	0.00

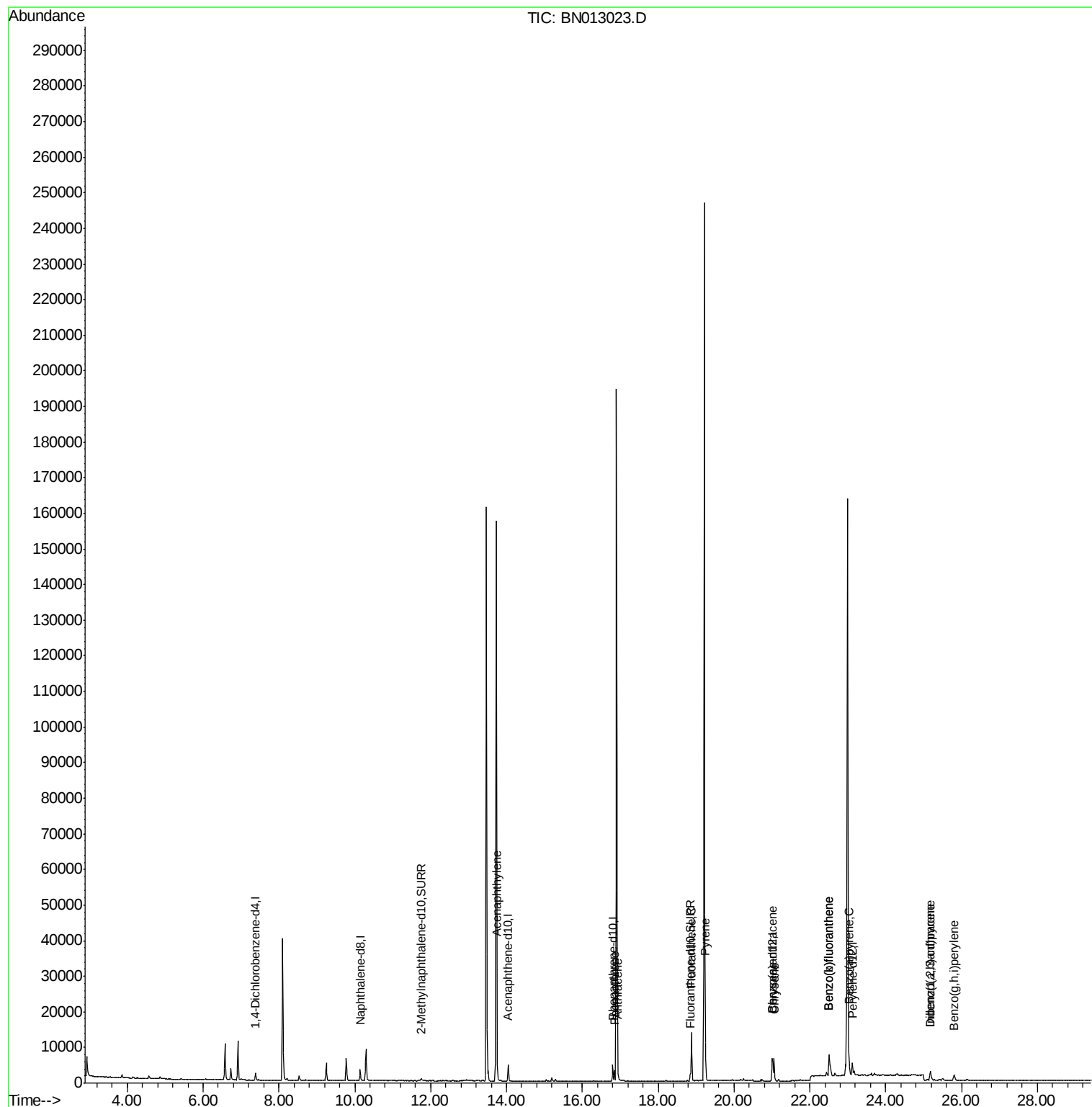
Target Compounds				Ovalue		
7) Acenaphthylene	13.76	152	240	0.021	ng/ul#	44
12) Phenanthrene	16.85	178	3249	0.189	ng/ul	99
13) Anthracene	16.94	178	456	0.031	ng/ul#	76
15) Fluoranthene	18.88	202	11551	0.566	ng/ul	99
17) Pyrene	19.25	202	10508	0.546	ng/ul	98
18) Benzo(a)anthracene	21.01	228	4799	0.285	ng/ul	97
19) Chrysene	21.06	228	6341	0.341	ng/ul	99
21) Benzo(b)fluoranthene	22.51	252	11710	0.653	ng/ul	93
22) Benzo(k)fluoranthene	22.51	252	11710	0.591	ng/ul#	95
23) Benzo(a)pyrene	23.03	252	5120	0.308	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.18	276	3684	0.169	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.18	278	899	0.052	ng/ul#	42
26) Benzo(g,h,i)perylene	25.80	276	3242	0.164	ng/ul#	92

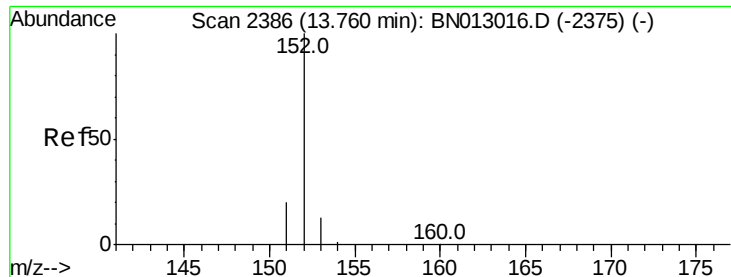
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.021 ng/ul

RT: 13.76 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :

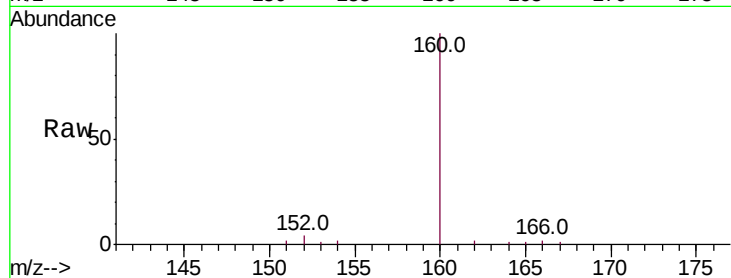
Tot Ion:152 Resp: 240

Ion Ratio Lower Upper

152 100

151 49.4 18.2 27.4#

153 41.4 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

13.76

150

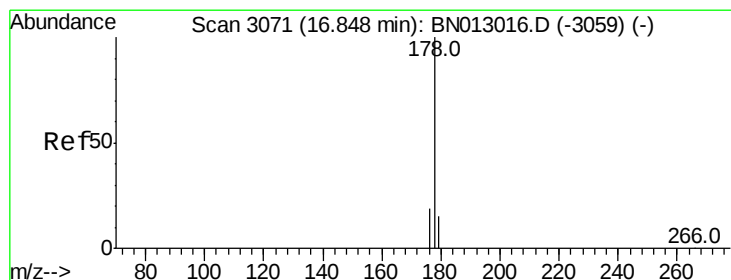
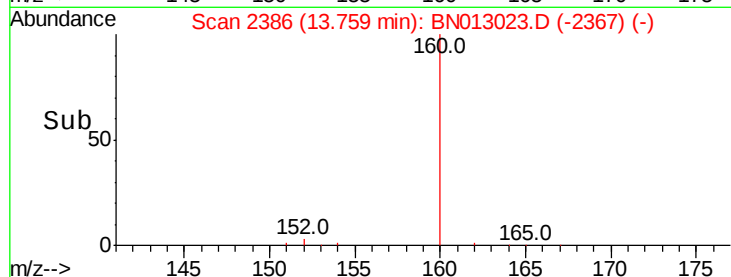
100

50

0

13.70 13.80

Time-->



#12

Phenanthrene

Concen: 0.189 ng/ul

RT: 16.85 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

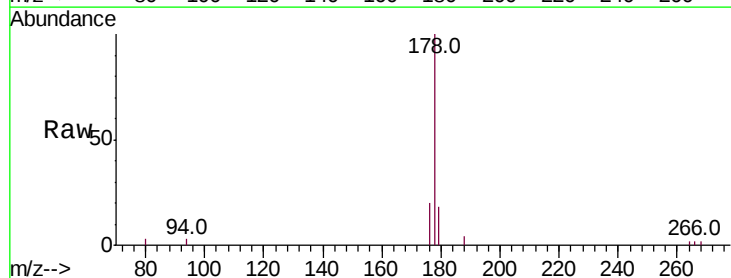
Tgt Ion:178 Resp: 3249

Ion Ratio Lower Upper

178 100

179 17.7 13.6 20.4

176 20.4 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

16.85

3000

2500

2000

1500

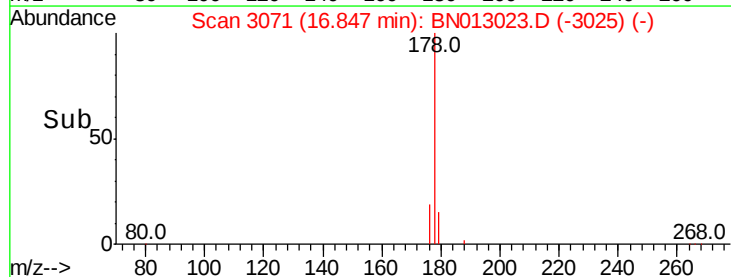
1000

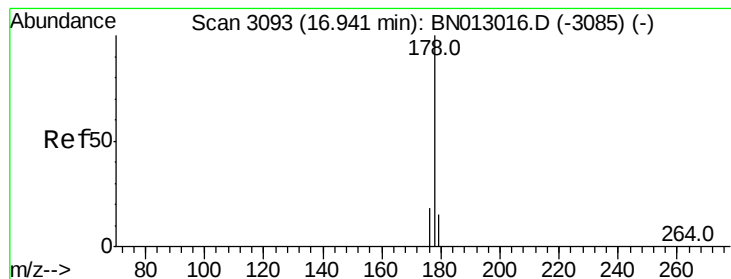
500

0

16.80 16.90

Time-->





#13

Anthracene

Concen: 0.031 ng/ul

RT: 16.94 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :

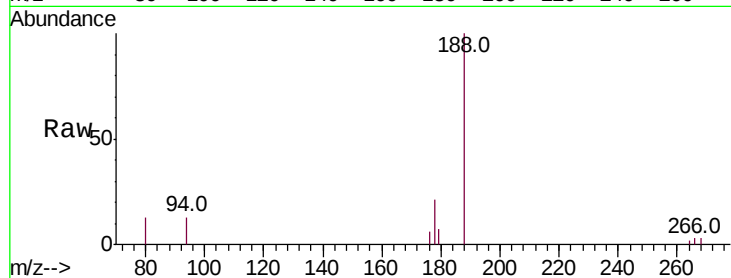
Tot Ion:178 Resp: 456

Ion Ratio Lower Upper

178 100

179 31.8 14.6 21.8#

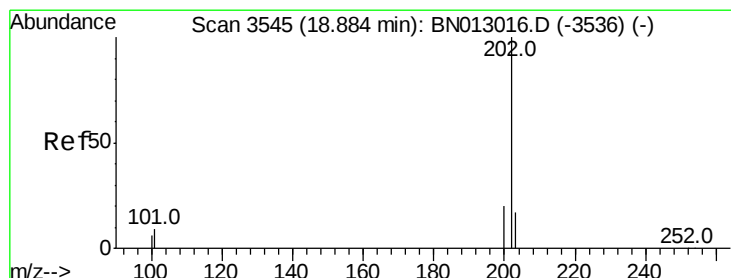
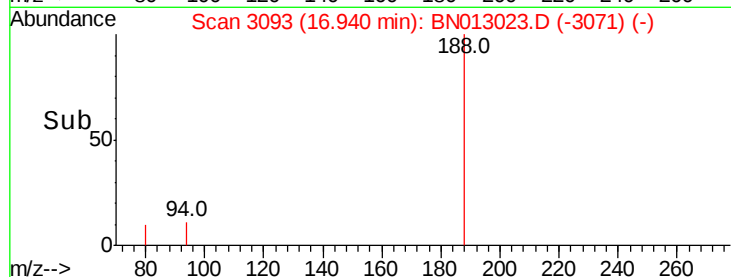
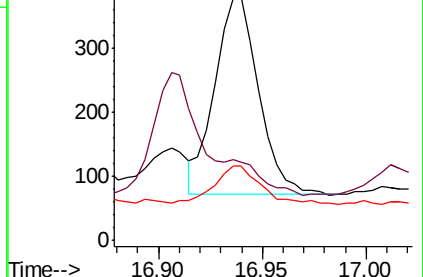
176 30.4 17.1 25.7#



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: 0.566 ng/ul

RT: 18.88 min Scan# 3544

Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

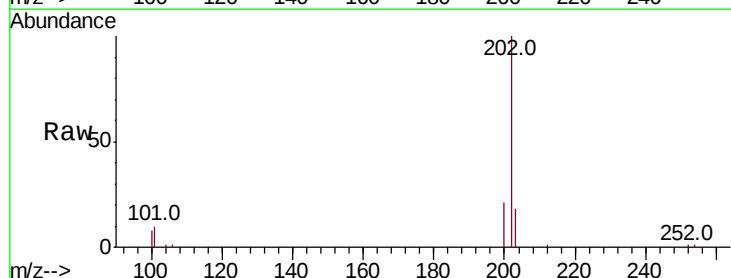
Tgt Ion:202 Resp: 11551

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.6

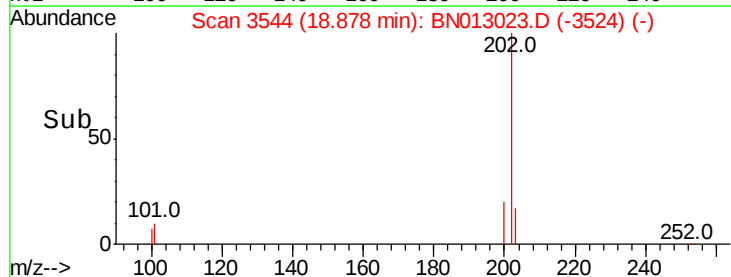
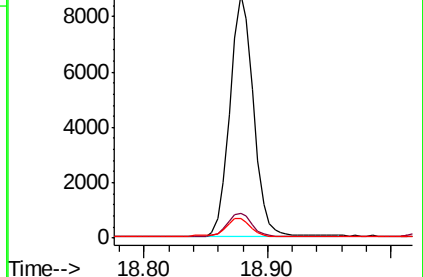
100 8.0 0.0 28.7

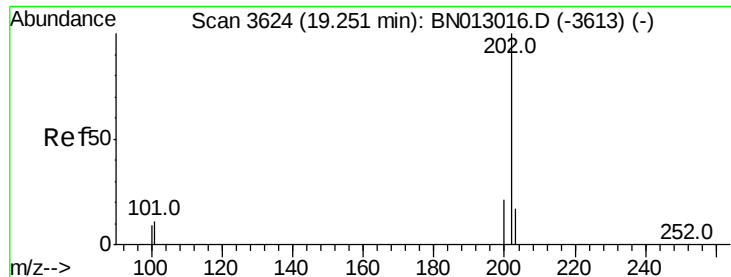


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

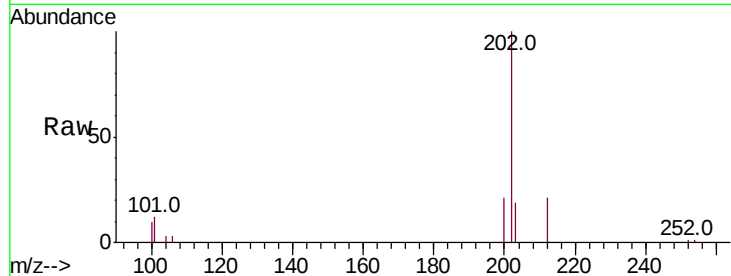




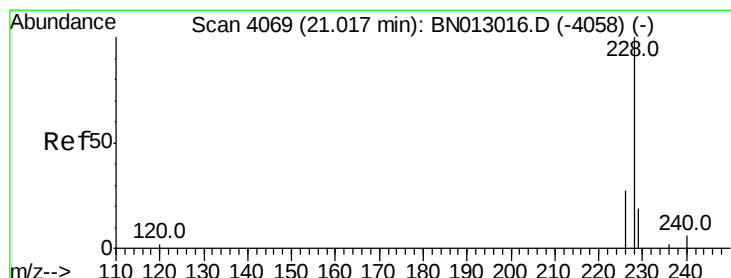
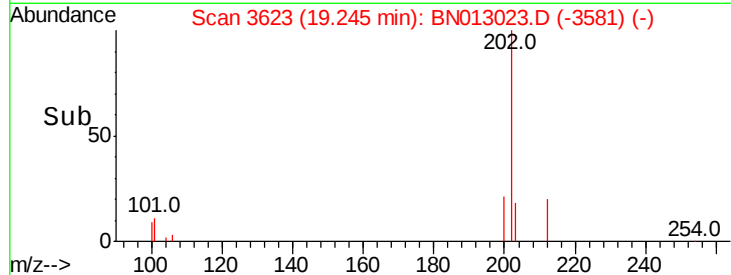
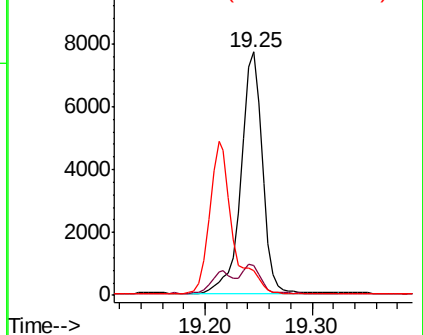
#17
Pvrene
Concen: 0.546 ng/ul
RT: 19.25 min Scan# 3623
Delta R.T. -0.01 min
Lab File: BN013023.D
Acq: 09 Dec 2020 21:57

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 10508
Ion Ratio Lower Upper
202 100
101 12.2 9.1 13.7
100 9.9 7.5 11.3

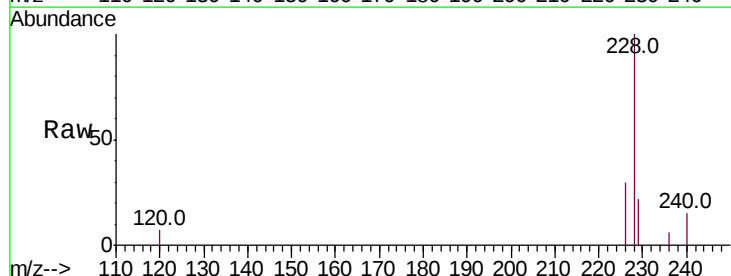


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

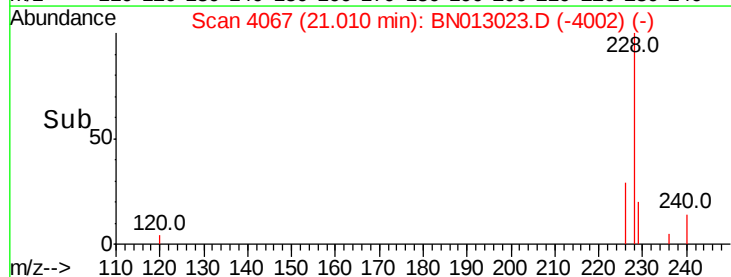
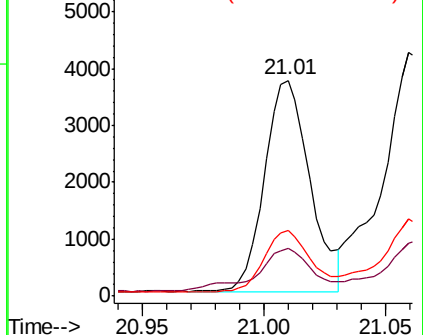


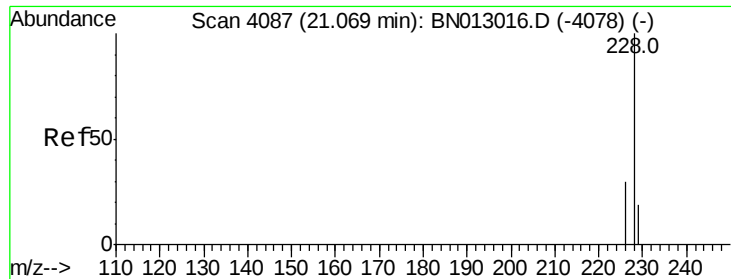
#18
Benzo(a)anthracene
Concen: 0.285 ng/ul
RT: 21.01 min Scan# 4067
Delta R.T. -0.01 min
Lab File: BN013023.D
Acq: 09 Dec 2020 21:57

Tgt Ion:228 Resp: 4799
Ion Ratio Lower Upper
228 100
229 22.4 16.3 24.5
226 30.5 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: 0.341 ng/ul

RT: 21.06 min Scan# 4084

Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :

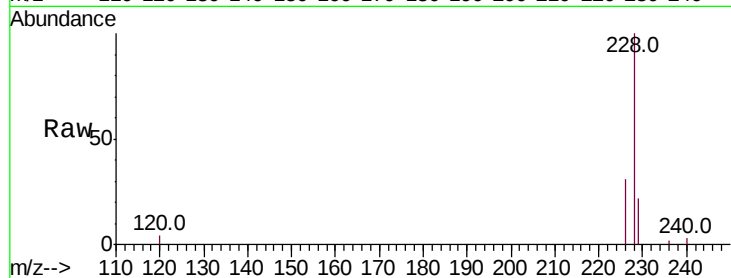
Tot Ion:228 Resp: 6341

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

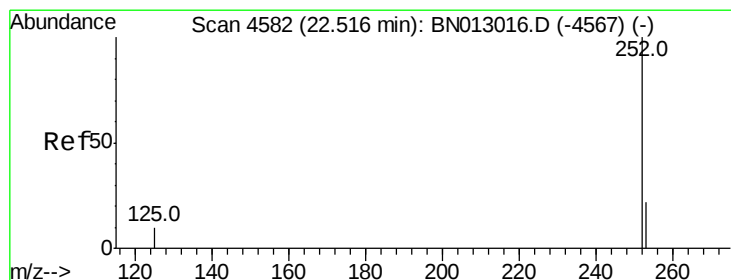
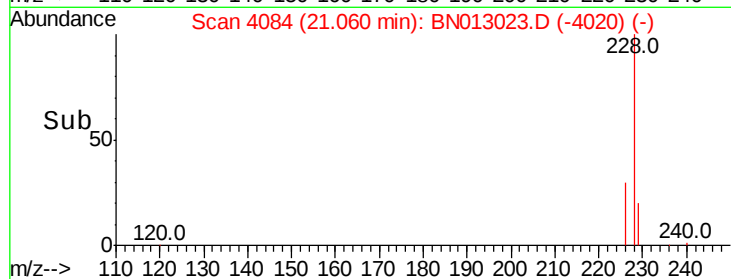
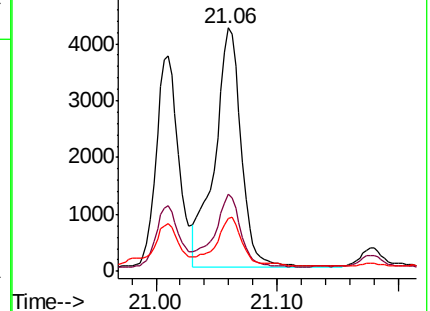
229 21.9 16.4 24.6



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: 0.653 ng/ul

RT: 22.51 min Scan# 4579

Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

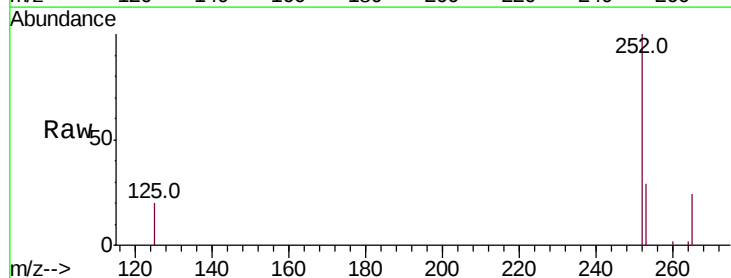
Tgt Ion:252 Resp: 11710

Ion Ratio Lower Upper

252 100

253 28.8 0.0 59.6

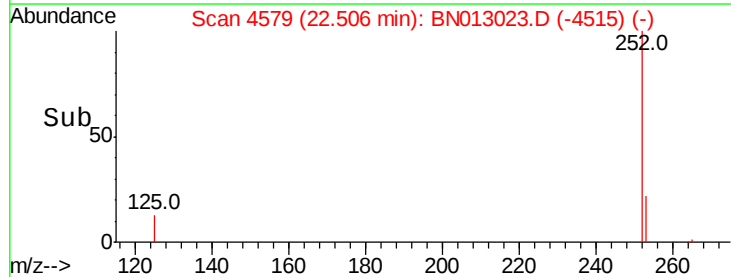
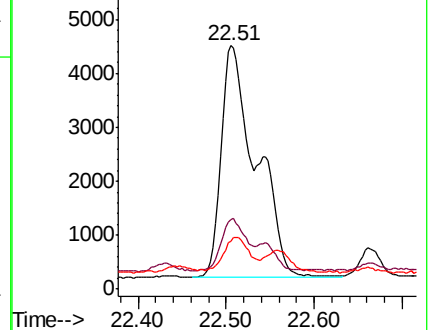
125 19.9 0.0 26.0

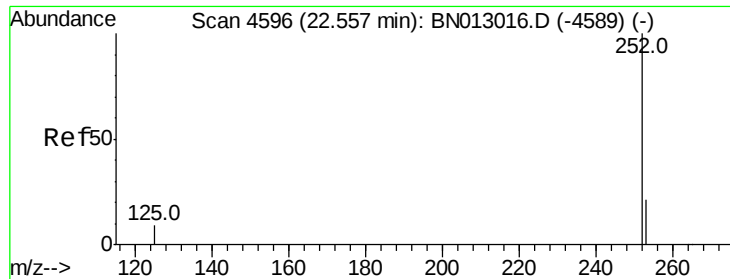


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.591 ng/ul

RT: 22.51 min Scan# 4579

Delta R.T. -0.05 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :

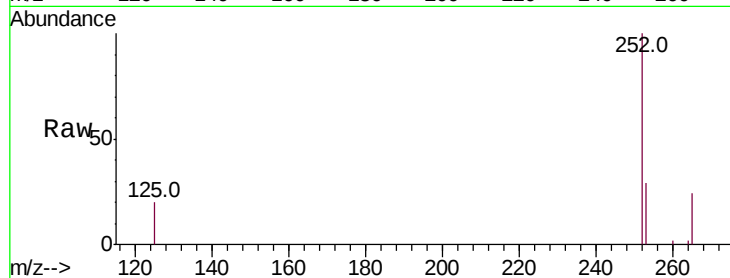
Tot Ion:252 Resp: 11710

Ion Ratio Lower Upper

252 100

253 28.8 23.4 35.2

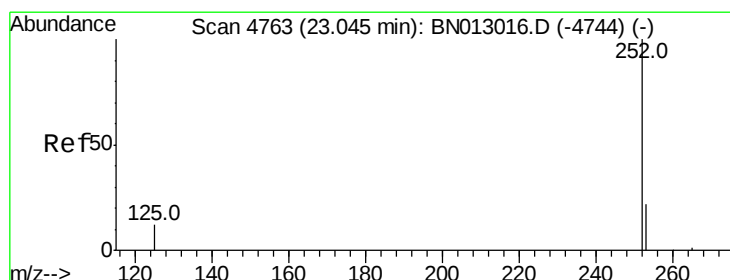
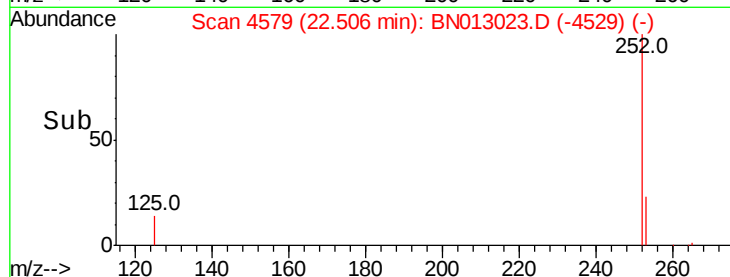
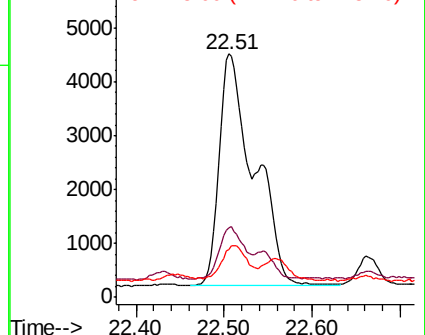
125 19.9 11.1 16.7#



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: 0.308 ng/ul

RT: 23.03 min Scan# 4759

Delta R.T. -0.01 min

Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

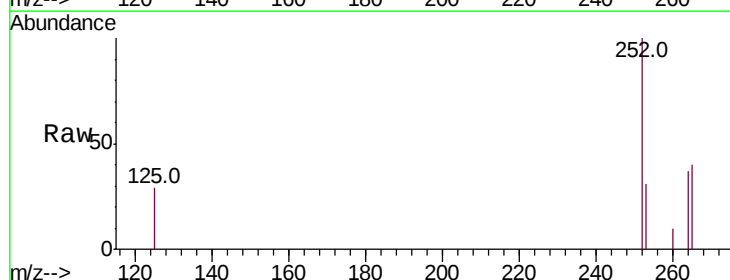
Tgt Ion:252 Resp: 5120

Ion Ratio Lower Upper

252 100

253 31.3 26.5 39.7

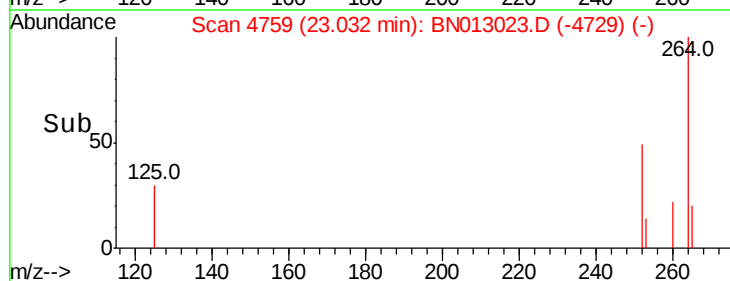
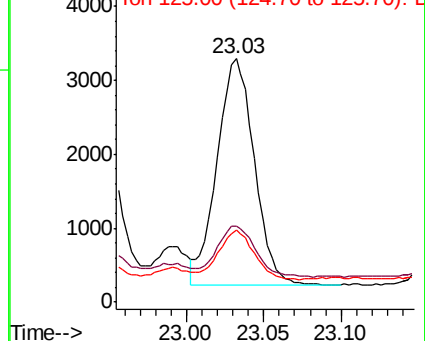
125 29.4 14.2 21.2#

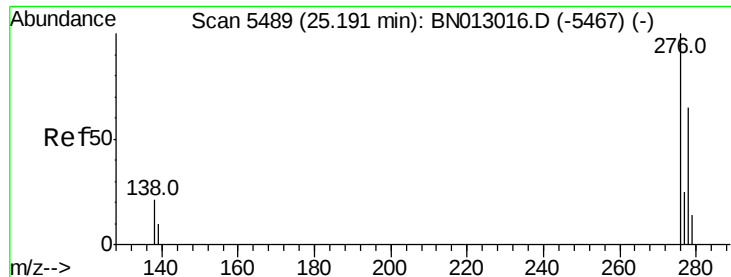


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



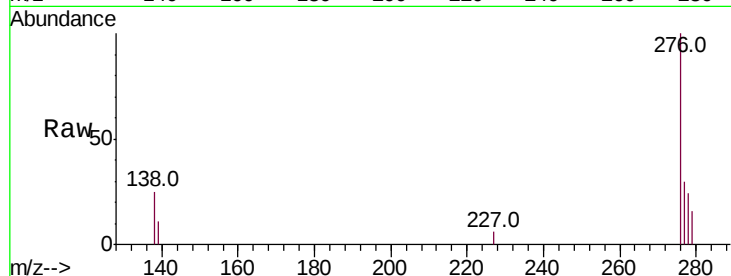


#24

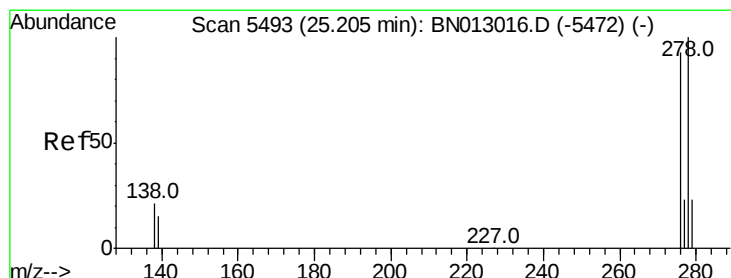
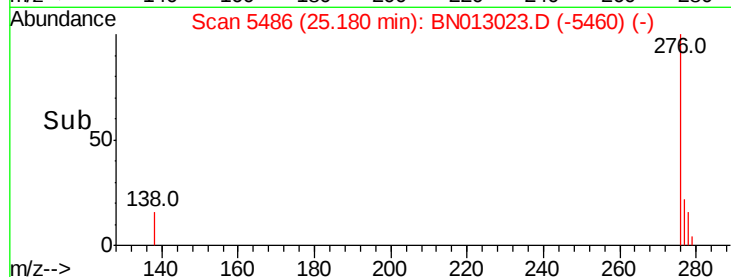
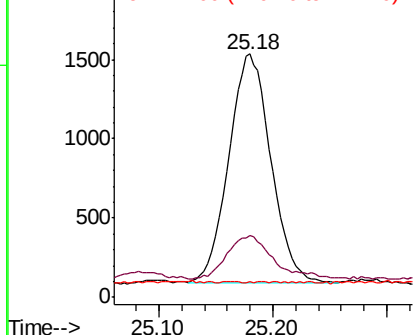
Indeno(1,2,3-cd)pyrene
Concen: 0.169 ng/u1
RT: 25.18 min Scan# 5486
Delta R.T. -0.01 min
Lab File: BN013023.D
Acq: 09 Dec 2020 21:57

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 3684
Ion Ratio Lower Upper
276 100
138 20.4 16.2 24.2
227 0.4 0.0 0.0#



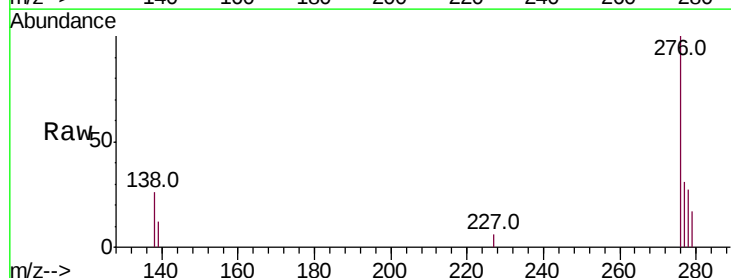
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



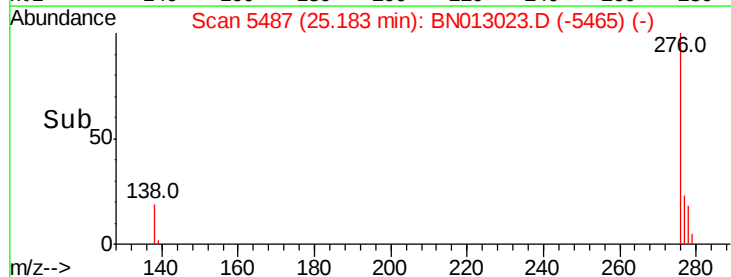
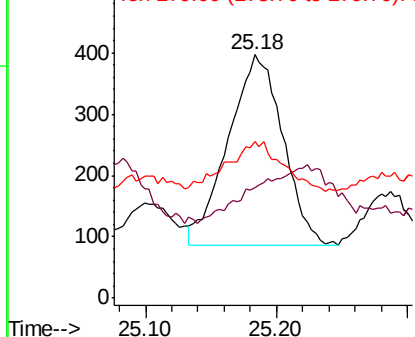
#25

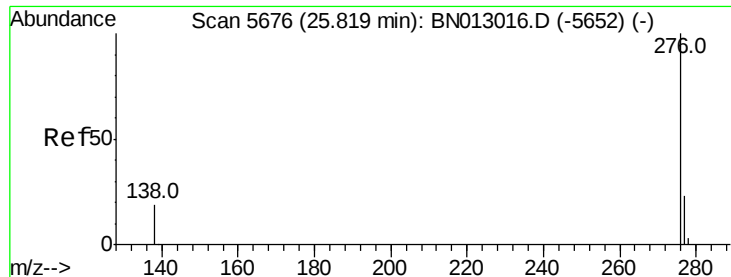
Dibenzo(a,h)anthracene
Concen: 0.052 ng/u1
RT: 25.18 min Scan# 5487
Delta R.T. -0.03 min
Lab File: BN013023.D
Acq: 09 Dec 2020 21:57

Tgt Ion:278 Resp: 899
Ion Ratio Lower Upper
278 100
139 45.6 14.5 21.7#
279 64.2 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: 0.164 ng/ul

RT: 25.80 min Scan# 5672

Delta R.T. -0.02 min

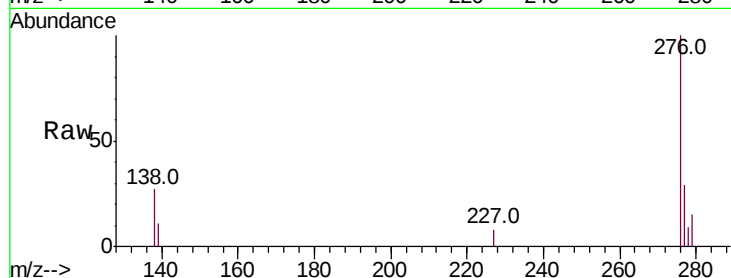
Lab File: BN013023.D

Acq: 09 Dec 2020 21:57

Instrument :

BNA_N

ClientSampleId :



Tot Ion:	276	Resp:	3242
Ion	Ratio	Lower	Upper
276	100		
138	27.1	16.3	24.5#
277	29.2	21.8	32.6

