

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012953.D
 Acq On : 07 Dec 2020 23:31
 Operator : CG/JU
 Sample : L4864-21
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B64DL

Quant Time: Dec 08 00:17:28 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 : Tue Dec 08 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	840	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	3479	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	1961	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4497	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	3915	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	4107	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	373	0.07	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	881	0.07	ng/ul	0.00

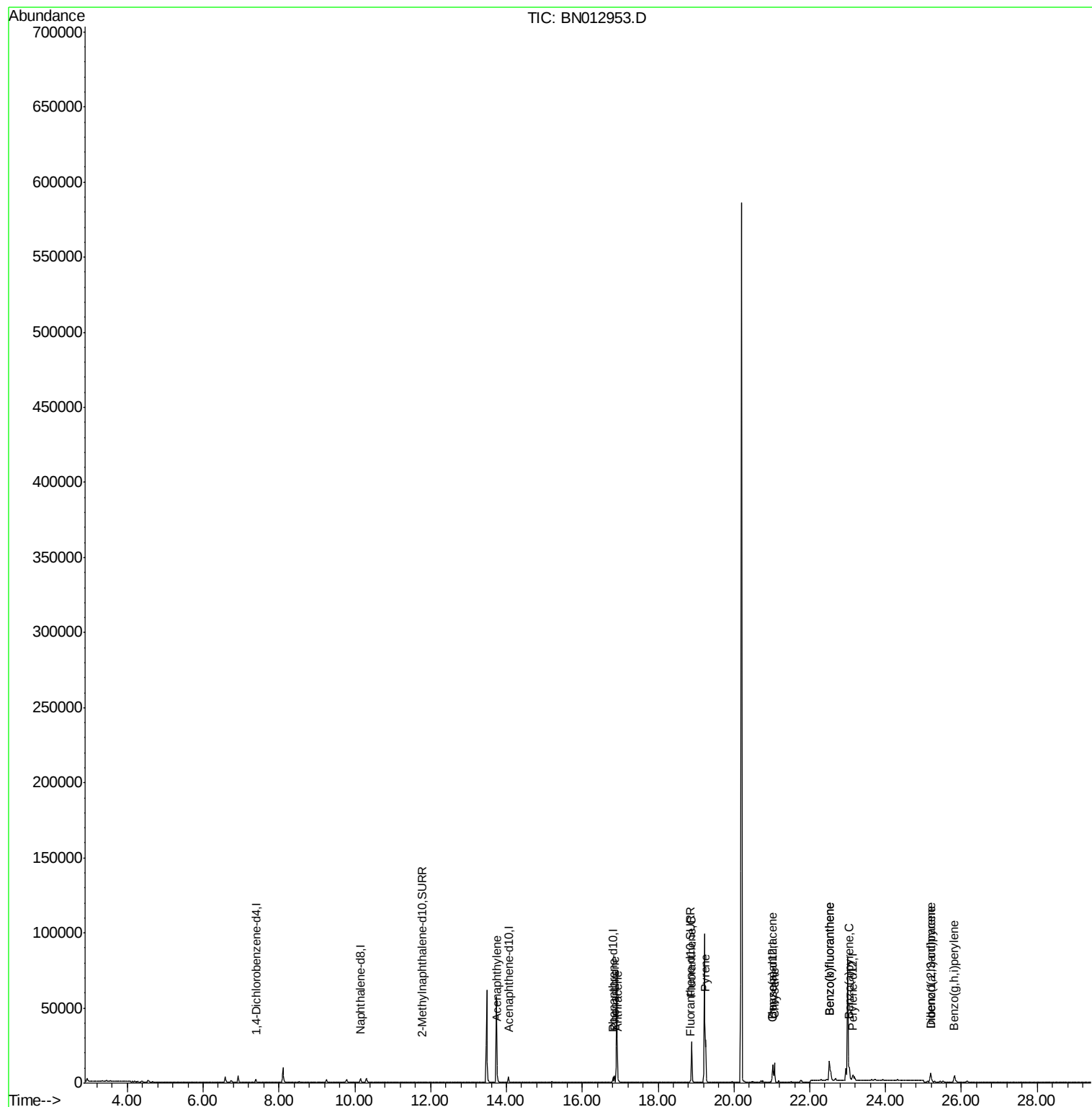
Target Compounds				Ovalue		
7) Acenaphthylene	13.76	152	210	0.023	ng/ul#	57
12) Phenanthrene	16.85	178	4824	0.320	ng/ul	99
13) Anthracene	16.94	178	657	0.051	ng/ul#	83
15) Fluoranthene	18.88	202	22887	1.277	ng/ul	97
17) Pyrene	19.25	202	21809	1.179	ng/ul	100
18) Benzo(a)anthracene	21.02	228	9580	0.591	ng/ul	99
19) Chrysene	21.07	228	12545	0.701	ng/ul	100
21) Benzo(b)fluoranthene	22.52	252	26465	1.393	ng/ul	94
22) Benzo(k)fluoranthene	22.52	252	26465	1.260	ng/ul	94
23) Benzo(a)pyrene	23.04	252	11710	0.664	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.18	276	8995	0.388	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.19	278	1781	0.097	ng/ul#	82
26) Benzo(g,h,i)perylene	25.82	276	8877	0.424	ng/ul	97

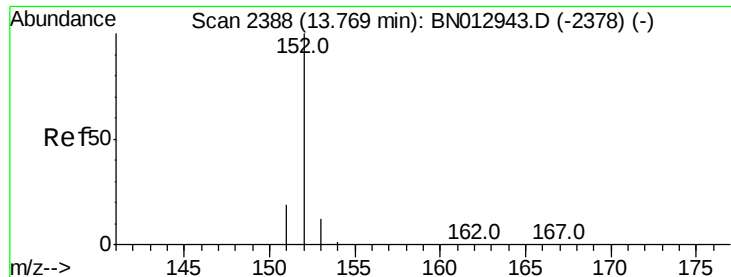
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.023 ng/ul

RT: 13.76 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

Instrument :

BNA_N

ClientSampleId :

C0B64DL

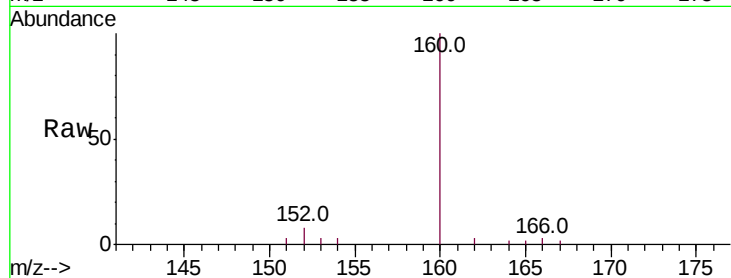
Tot Ion:152 Resp: 210

Ion Ratio Lower Upper

152 100

151 41.7 18.2 27.4#

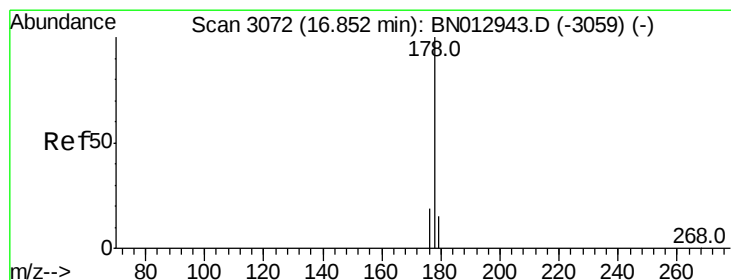
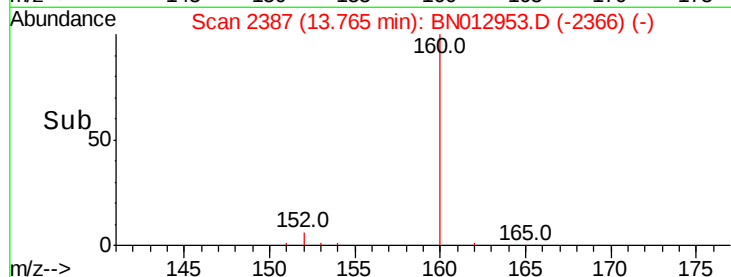
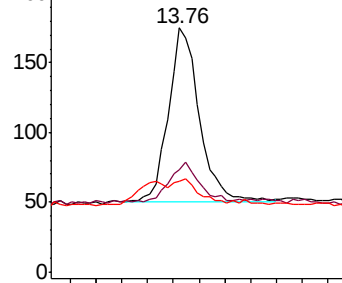
153 37.1 13.1 19.7#



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



#12

Phenanthrene

Concen: 0.320 ng/ul

RT: 16.85 min Scan# 3072

Delta R.T. -0.00 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

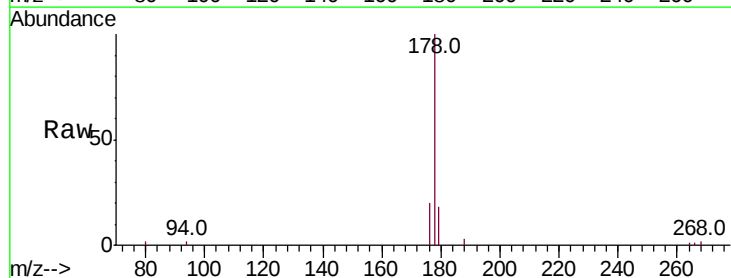
Tgt Ion:178 Resp: 4824

Ion Ratio Lower Upper

178 100

179 17.6 13.6 20.4

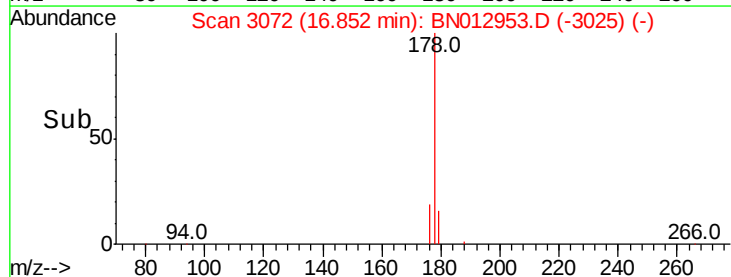
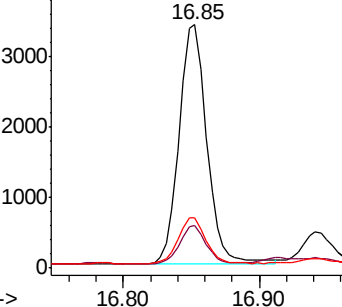
176 20.5 16.4 24.6

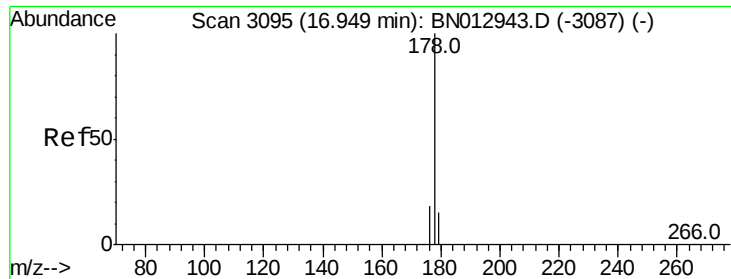


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.051 ng/ul

RT: 16.94 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

Instrument :

BNA_N

ClientSampleId :

C0B64DL

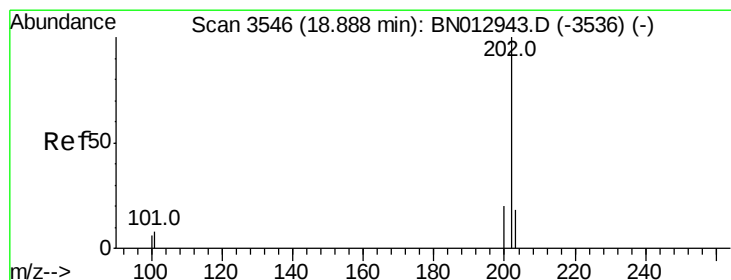
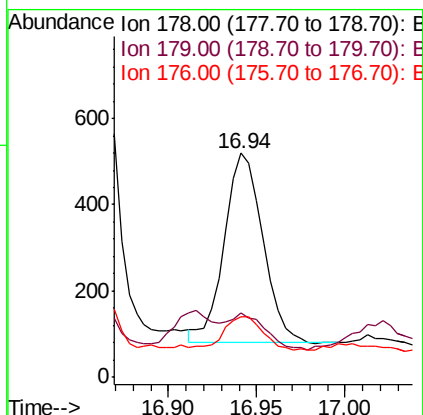
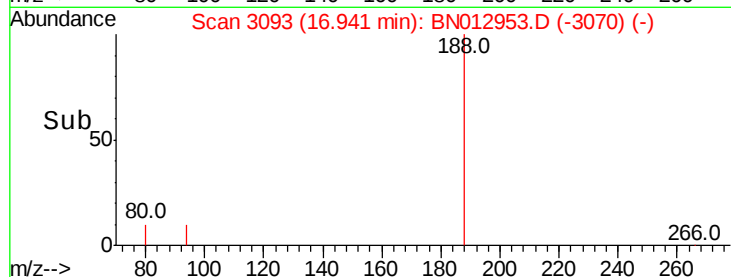
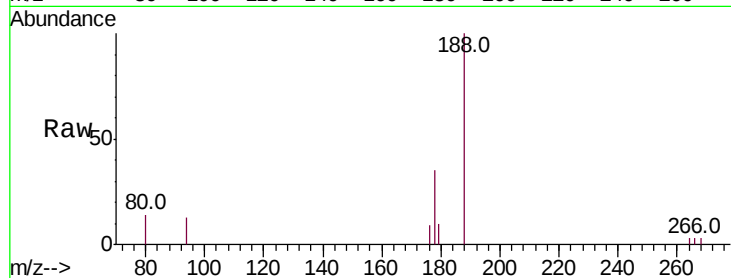
Tot Ion:178 Resp: 657

Ion Ratio Lower Upper

178 100

179 28.8 14.6 21.8#

176 26.9 17.1 25.7#



#15

Fluoranthene

Concen: 1.277 ng/ul

RT: 18.88 min Scan# 3545

Delta R.T. -0.00 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

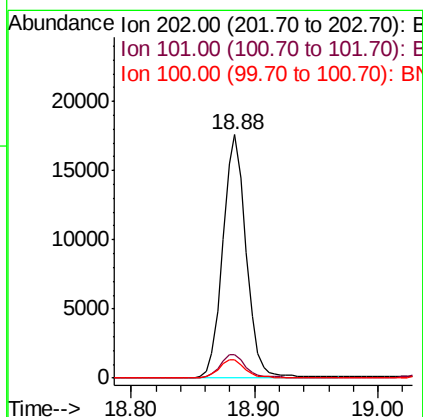
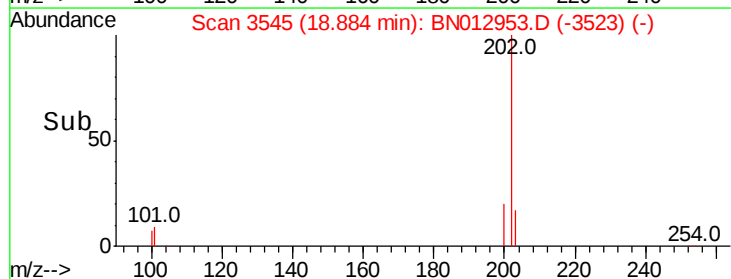
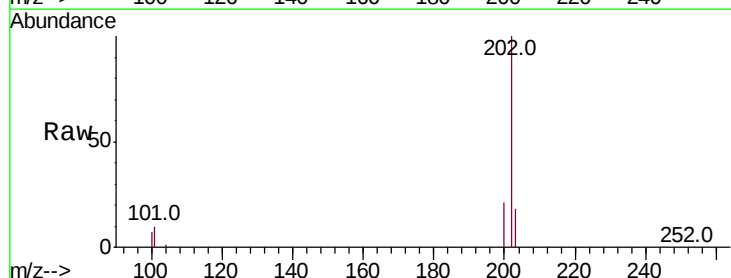
Tgt Ion:202 Resp: 22887

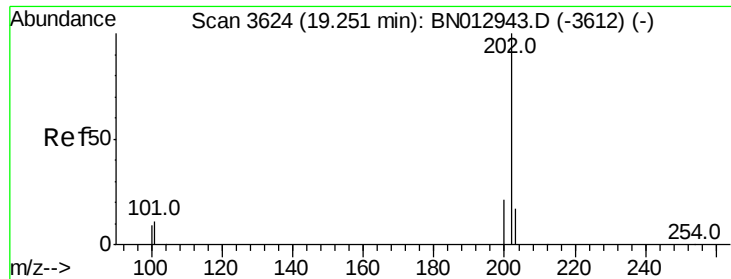
Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.6

100 7.3 0.0 28.7

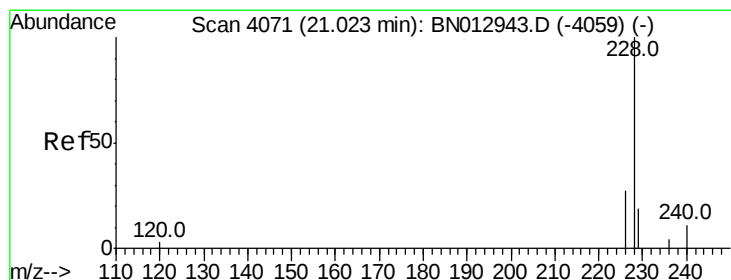
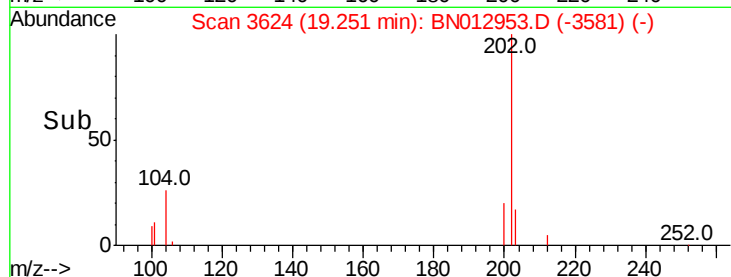
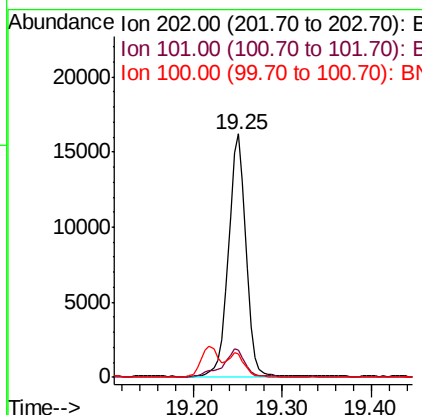
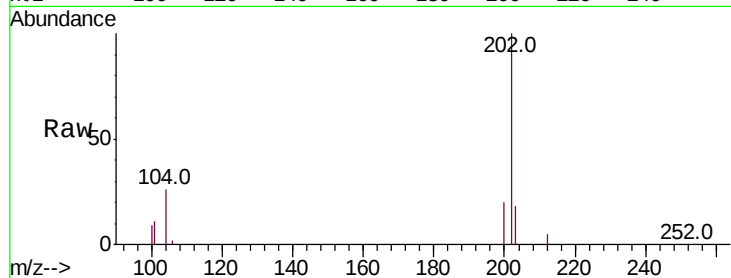




#17
Pvrene
Concen: 1.179 ng/ul
RT: 19.25 min Scan# 3624
Delta R.T. -0.00 min
Lab File: BN012953.D
Acq: 07 Dec 2020 23:31

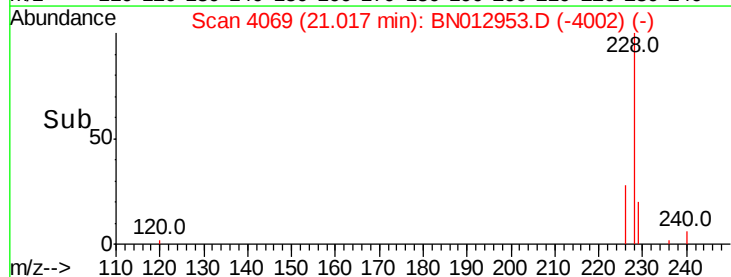
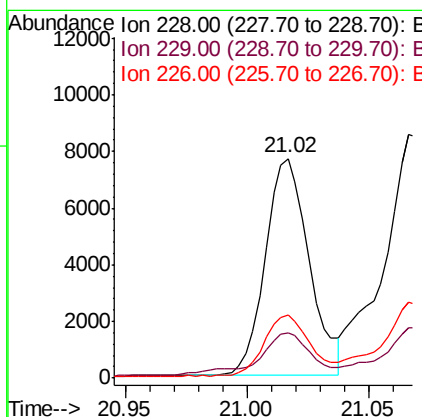
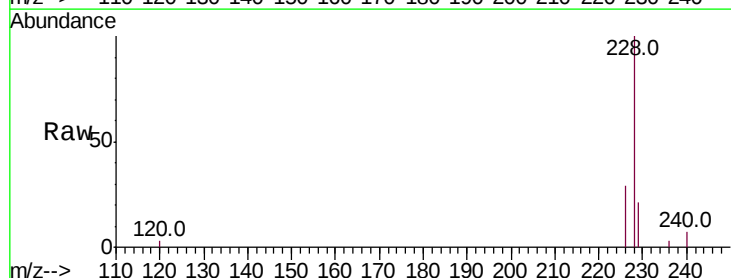
Instrument :
BNA_N
ClientSampleId :
C0B64DL

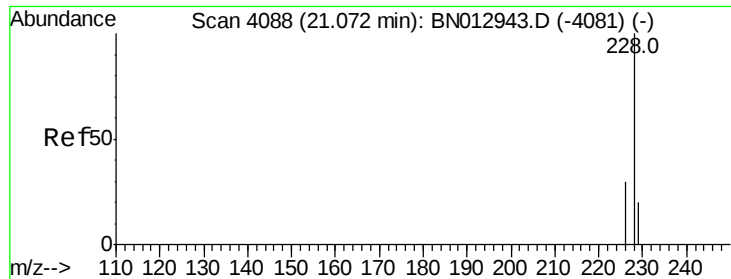
Tot Ion:202 Resp: 21809
Ion Ratio Lower Upper
202 100
101 11.3 9.1 13.7
100 9.4 7.5 11.3



#18
Benzo(a)anthracene
Concen: 0.591 ng/ul
RT: 21.02 min Scan# 4069
Delta R.T. -0.00 min
Lab File: BN012953.D
Acq: 07 Dec 2020 23:31

Tgt Ion:228 Resp: 9580
Ion Ratio Lower Upper
228 100
229 20.8 16.3 24.5
226 28.6 23.4 35.2





#19

Chrysene

Concen: 0.701 ng/ul

RT: 21.07 min Scan# 4086

Delta R.T. -0.01 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

Instrument :

BNA_N

ClientSampleId :

C0B64DL

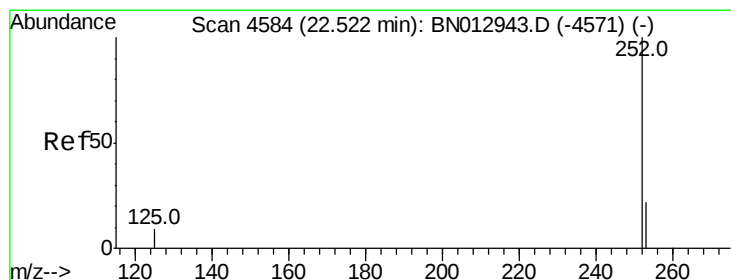
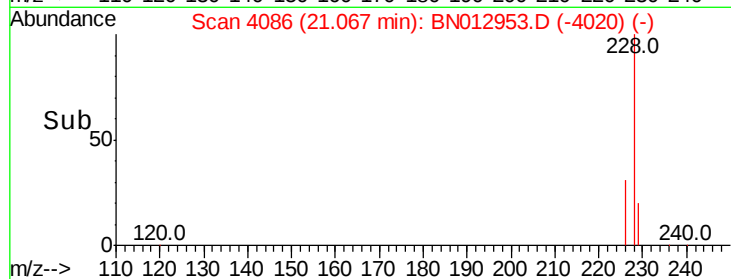
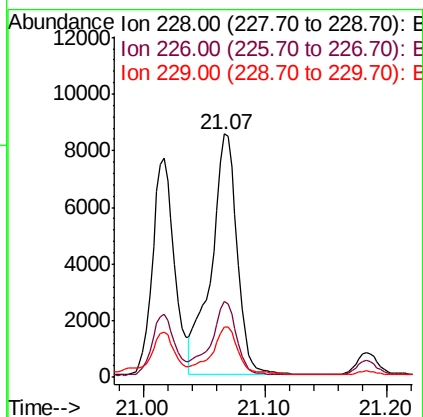
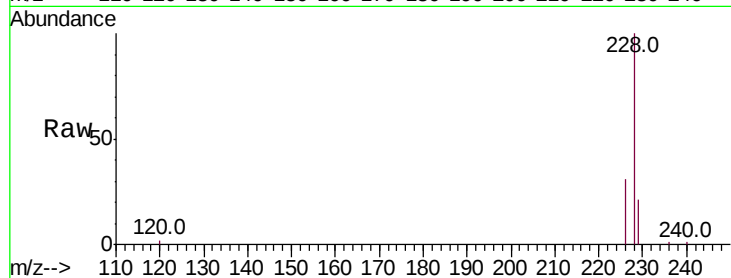
Tot Ion:228 Resp: 12545

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

229 20.9 16.4 24.6



#21

Benzo(b)fluoranthene

Concen: 1.393 ng/ul

RT: 22.52 min Scan# 4582

Delta R.T. -0.00 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

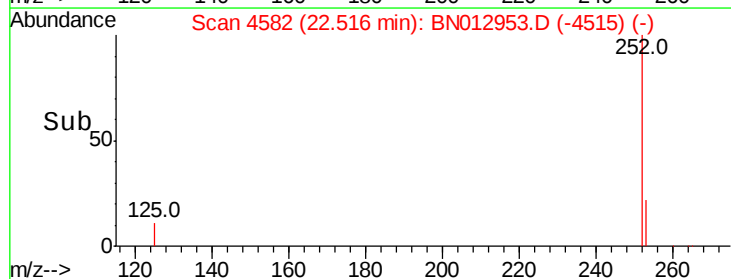
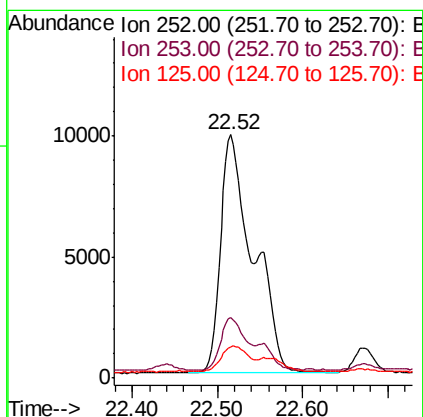
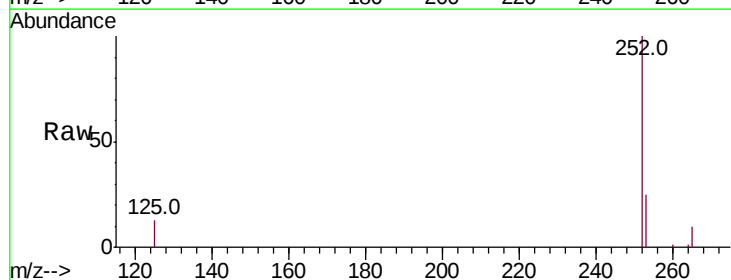
Tgt Ion:252 Resp: 26465

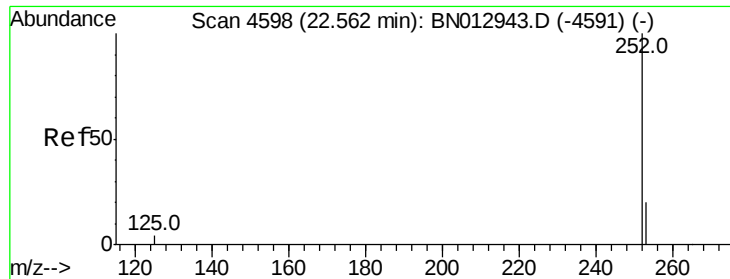
Ion Ratio Lower Upper

252 100

253 24.8 0.0 59.6

125 12.9 0.0 26.0





#22

Benzo(k)fluoranthene

Concen: 1.260 ng/ul

RT: 22.52 min Scan# 4582

Delta R.T. -0.04 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

Instrument :

BNA_N

ClientSampleId :

C0B64DL

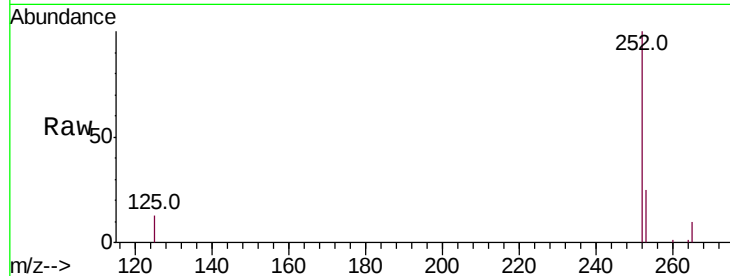
Tot Ion:252 Resp: 26465

Ion Ratio Lower Upper

252 100

253 24.8 23.4 35.2

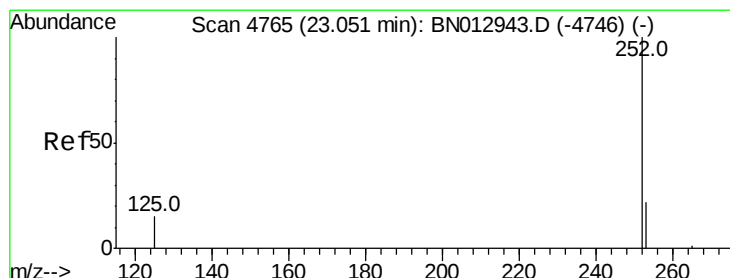
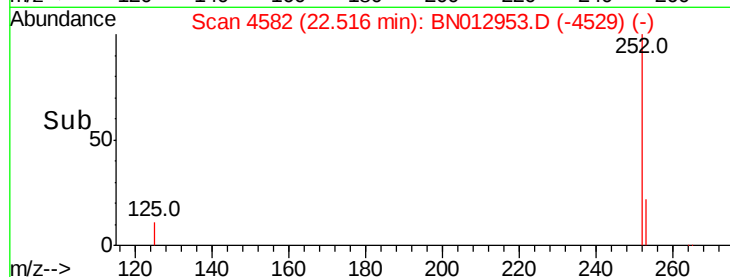
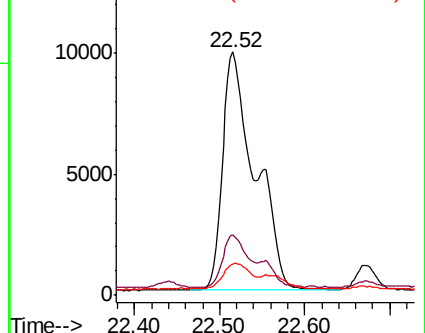
125 12.9 11.1 16.7



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: 0.664 ng/ul

RT: 23.04 min Scan# 4761

Delta R.T. -0.01 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

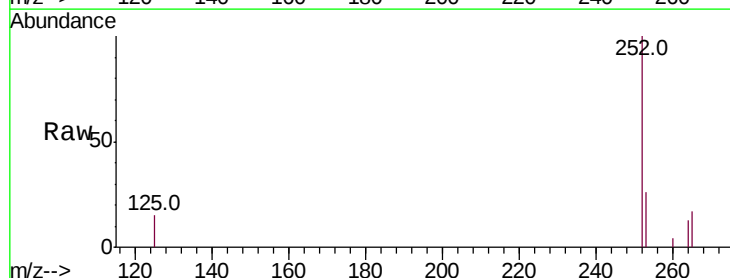
Tgt Ion:252 Resp: 11710

Ion Ratio Lower Upper

252 100

253 25.6 26.5 39.7#

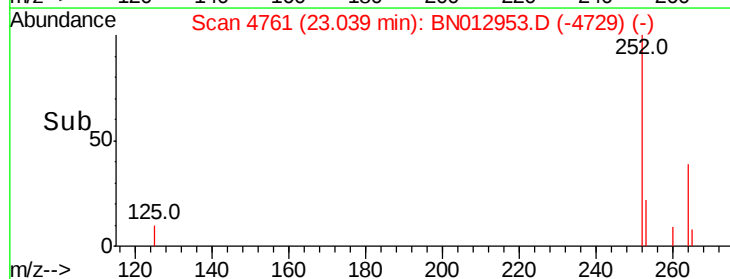
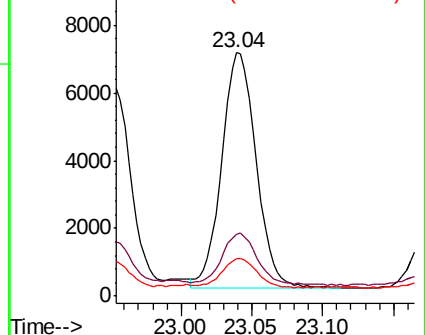
125 15.2 14.2 21.2

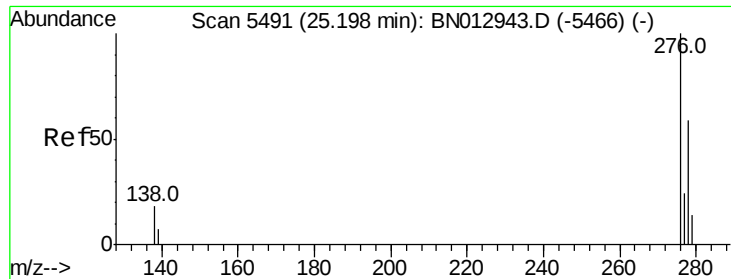


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



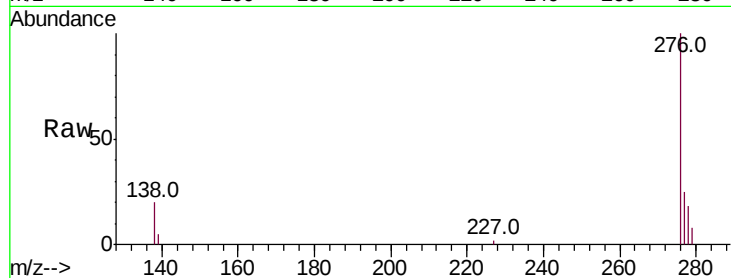


#24

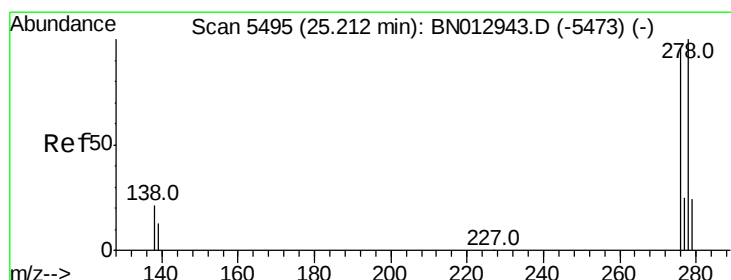
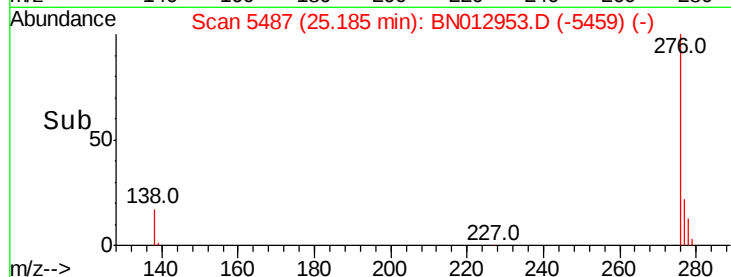
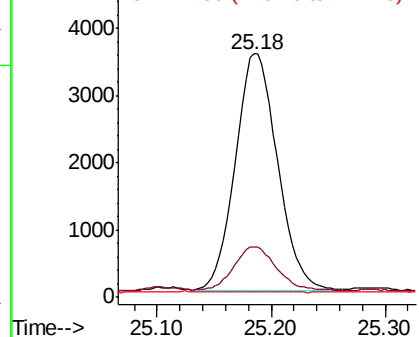
Indeno(1,2,3-cd)pyrene
Concen: 0.388 ng/ul
RT: 25.18 min Scan# 5487
Delta R.T. -0.01 min
Lab File: BN012953.D
Acq: 07 Dec 2020 23:31

Instrument :
BNA_N
ClientSampleId :
C0B64DL

Tot Ion:276 Resp: 8995
Ion Ratio Lower Upper
276 100
138 18.7 16.2 24.2
227 0.2 0.0 0.0#



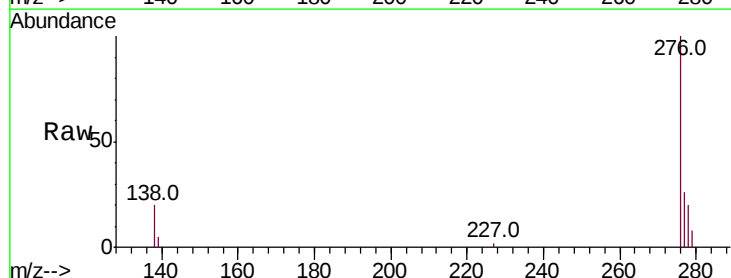
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



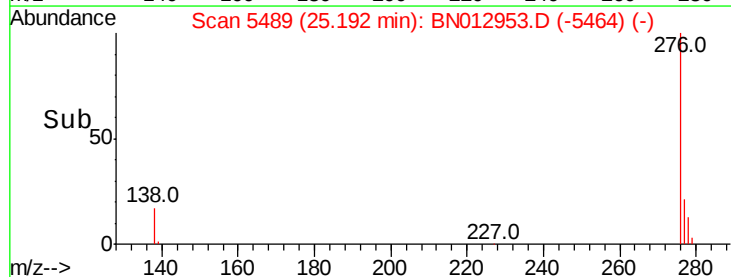
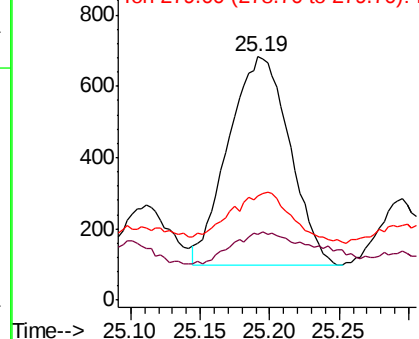
#25

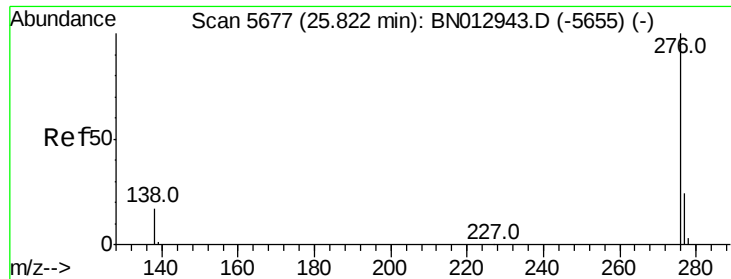
Dibenzo(a,h)anthracene
Concen: 0.097 ng/ul
RT: 25.19 min Scan# 5489
Delta R.T. -0.02 min
Lab File: BN012953.D
Acq: 07 Dec 2020 23:31

Tgt Ion:278 Resp: 1781
Ion Ratio Lower Upper
278 100
139 27.1 14.5 21.7#
279 42.6 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: 0.424 ng/ul

RT: 25.82 min Scan# 5675

Delta R.T. -0.01 min

Lab File: BN012953.D

Acq: 07 Dec 2020 23:31

Instrument :

BNA_N

ClientSampleId :

C0B64DL

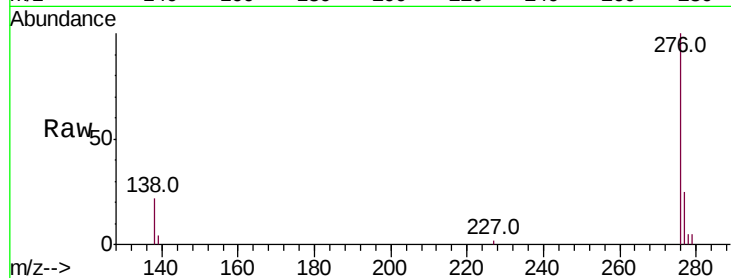
Tot Ion:276 Resp: 8877

Ion Ratio Lower Upper

276 100

138 21.6 16.3 24.5

277 25.2 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

