

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112420\
 Data File : BN012721.D
 Acq On : 24 Nov 2020 18:03
 Operator : CG/JU
 Sample : L4751-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AW3

Quant Time: Nov 25 01:48:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 25 01:45:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	910	0.40	ng/ul	0.00
2) Naphthalene-d8	10.20	136	3732	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.09	164	2135	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	4276	0.40	ng/ul	0.00
16) Chrysene-d12	21.06	240	3543	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	3688	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.80	152	788	0.15	ng/ul	0.00
14) Fluoranthene-d10	18.89	212	1693	0.15	ng/ul	0.00

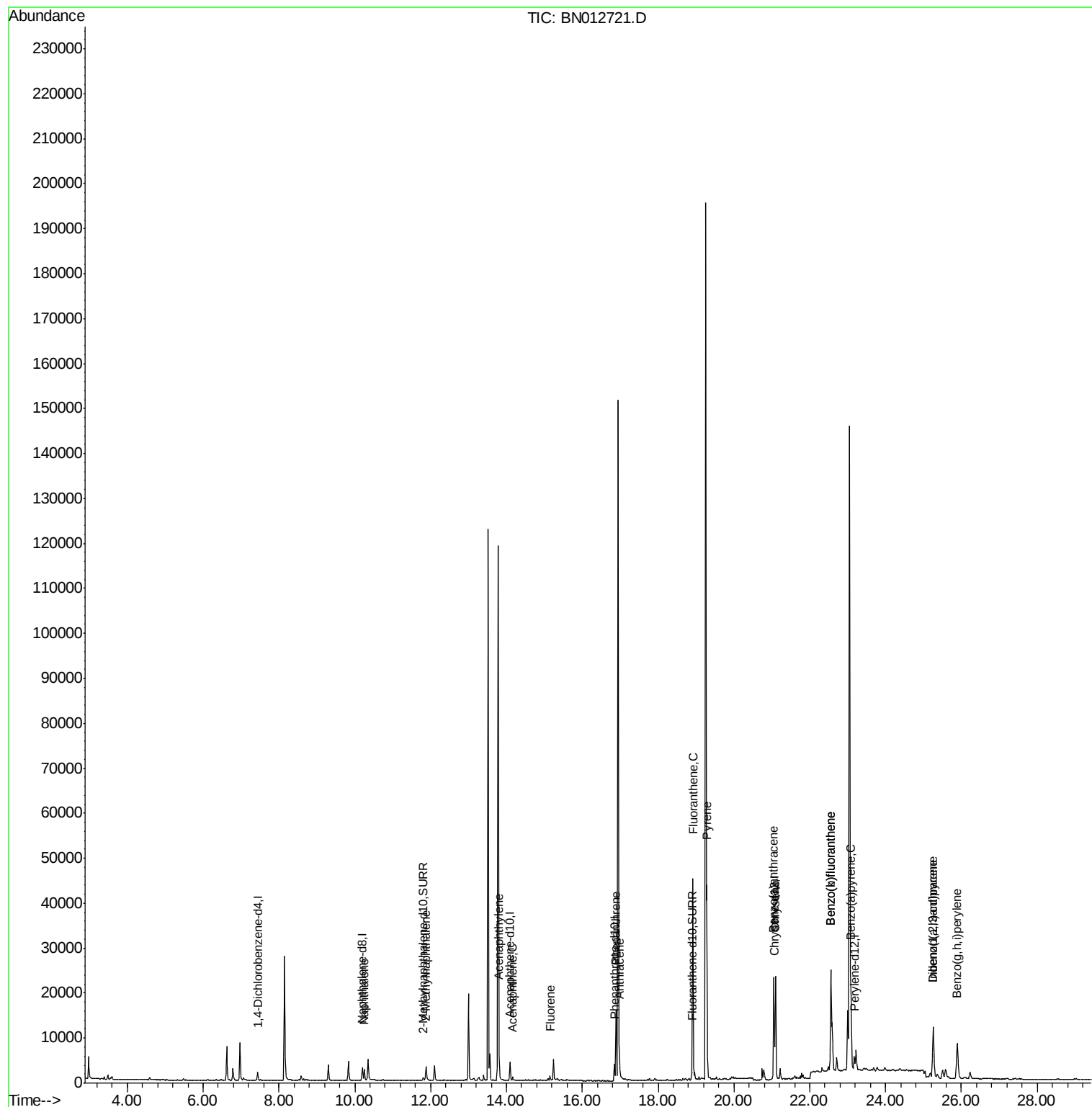
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.25	128	3202	0.285	ng/ul	100
5) 2-Methylnaphthalene	11.88	142	2632	0.367	ng/ul	99
7) Acenaphthylene	13.81	152	901	0.087	ng/ul#	83
8) Acenaphthene	14.16	153	504	0.057	ng/ul	94
9) Fluorene	15.15	166	450	0.047	ng/ul#	88
12) Phenanthrene	16.89	178	16579	1.114	ng/ul	96
13) Anthracene	16.98	178	2142	0.166	ng/ul	97
15) Fluoranthene	18.92	202	37607	2.189	ng/ul	99
17) Pyrene	19.28	202	34299	2.164	ng/ul	97
18) Benzo(a)anthracene	21.05	228	18227	1.436	ng/ul	99
19) Chrysene	21.10	228	22924	1.445	ng/ul	99
21) Benzo(b)fluoranthene	22.56	252	45789	2.699	ng/ul	93
22) Benzo(k)fluoranthene	22.56	252	45789	2.340	ng/ul	94
23) Benzo(a)pyrene	23.09	252	21006	1.316	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.26	276	16972	0.813	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.26	278	4161	0.248	ng/ul#	86
26) Benzo(a,h,i)perylene	25.89	276	15790	0.840	ng/ul	97

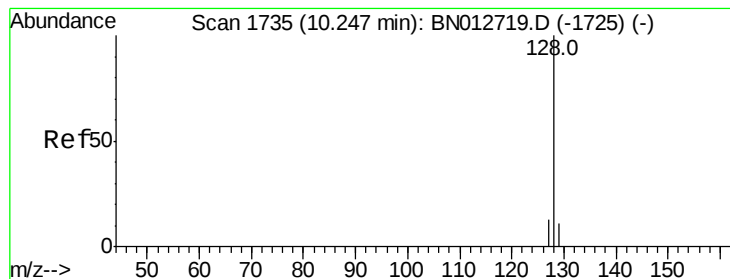
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.285 ng/ul

RT: 10.25 min Scan# 1736

Delta R.T. 0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

Instrument :

BNA_N

ClientSampleId :

C0AW3

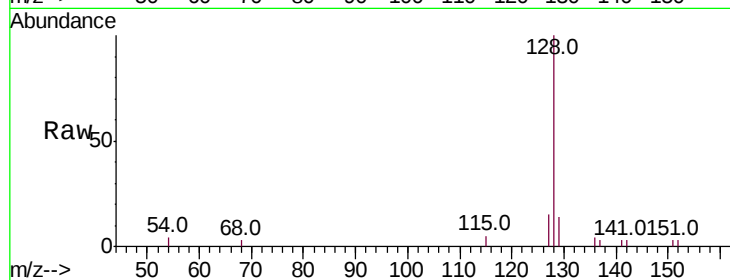
Tot Ion:128 Resp: 3202

Ion Ratio Lower Upper

128 100

129 13.9 11.2 16.8

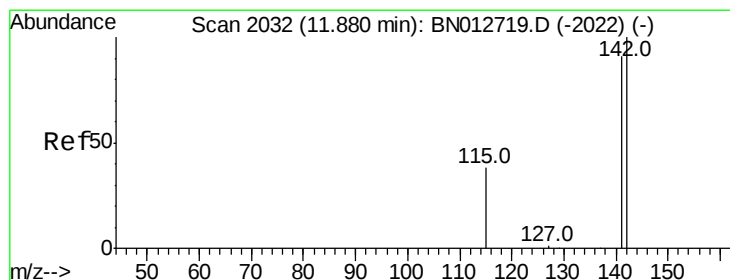
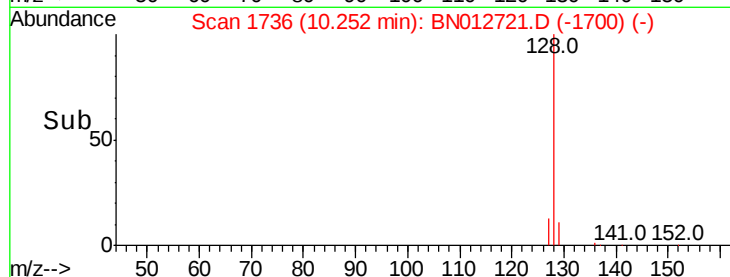
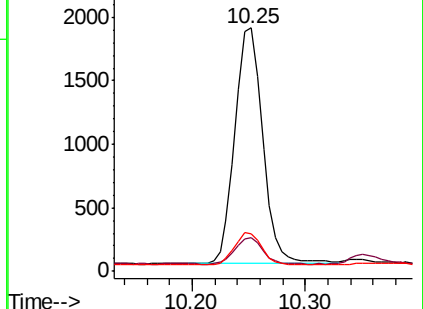
127 15.5 12.5 18.7



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: 0.367 ng/ul

RT: 11.88 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BN012721.D

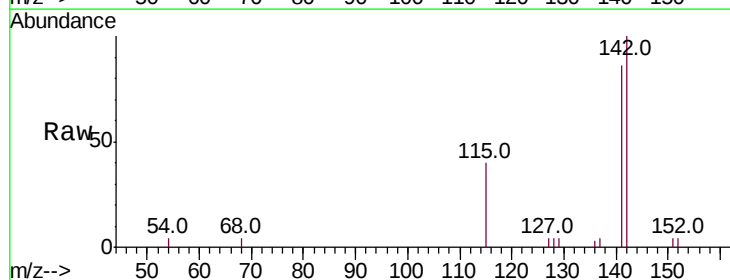
Acq: 24 Nov 2020 18:03

Tgt Ion:142 Resp: 2632

Ion Ratio Lower Upper

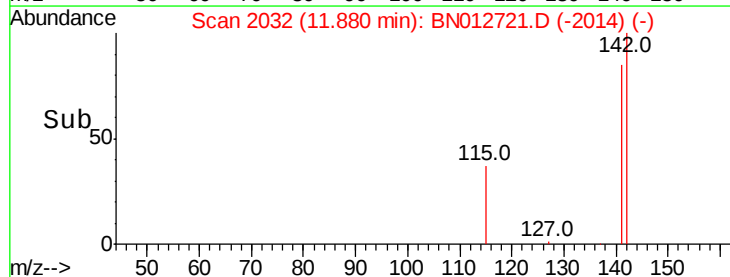
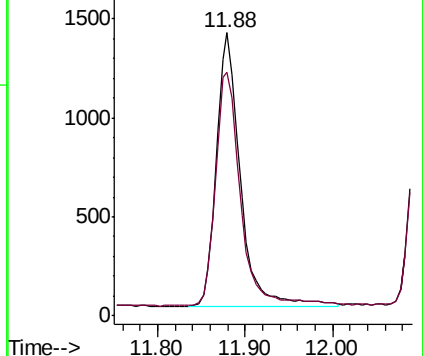
142 100

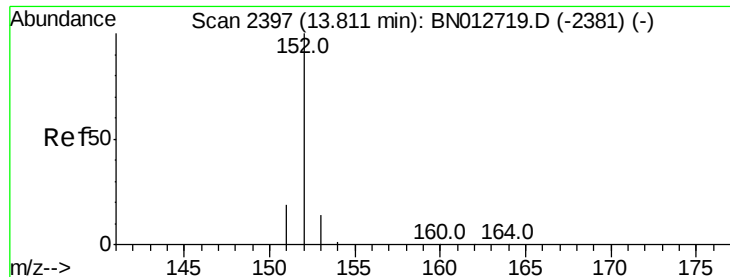
141 89.1 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.087 ng/ul

RT: 13.81 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

Instrument :

BNA_N

ClientSampleId :

C0AW3

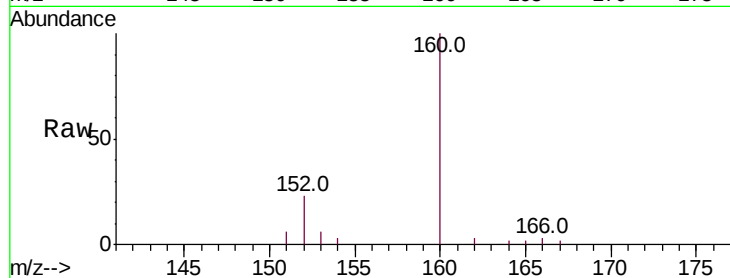
Tot Ion:152 Resp: 901

Ion Ratio Lower Upper

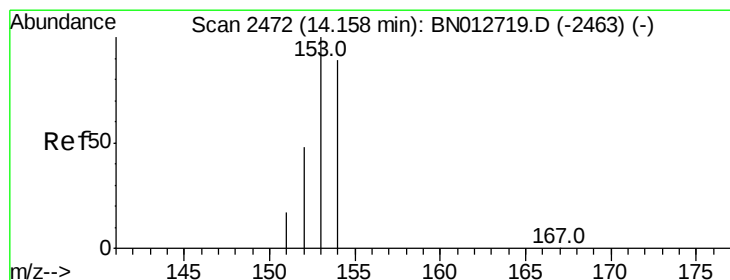
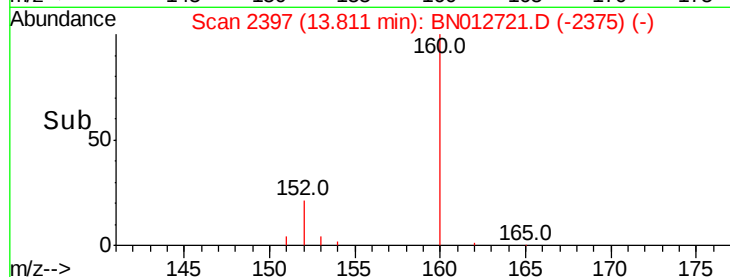
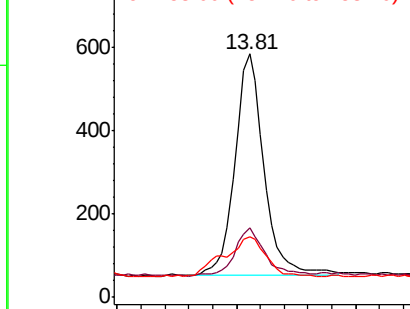
152 100

151 28.3 17.1 25.7#

153 24.8 12.6 19.0#



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: 0.057 ng/ul

RT: 14.16 min Scan# 2472

Delta R.T. 0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

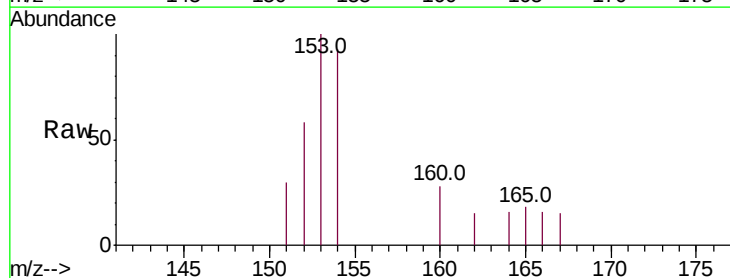
Tgt Ion:153 Resp: 504

Ion Ratio Lower Upper

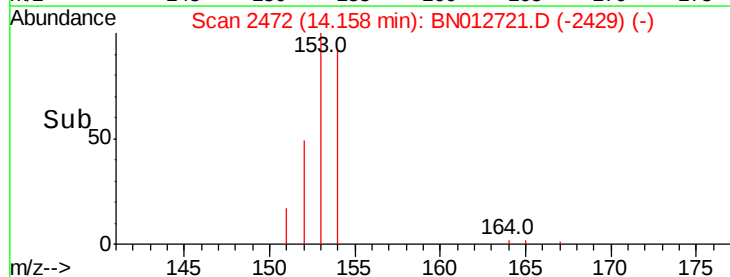
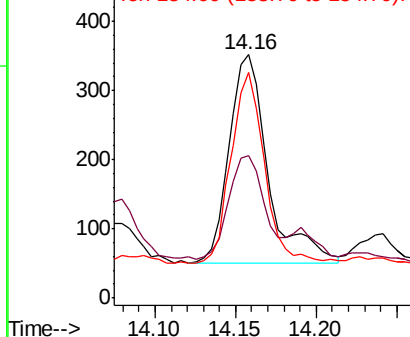
153 100

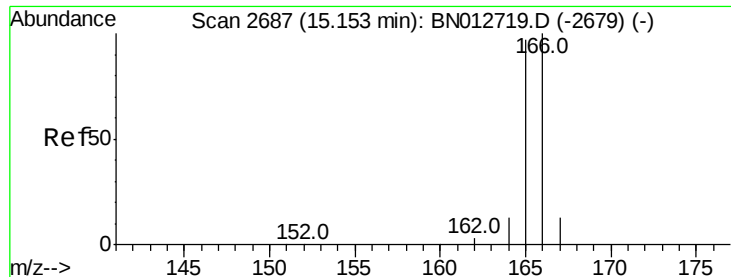
152 58.2 41.4 62.0

154 92.9 70.9 106.3



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: 0.047 ng/ul

RT: 15.15 min Scan# 2687

Delta R.T. 0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

Instrument :

BNA_N

ClientSampleId :

C0AW3

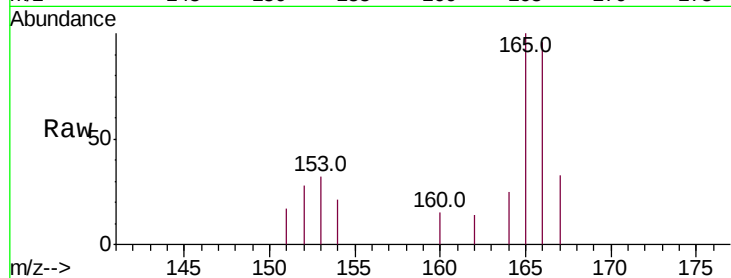
Tot Ion:166 Resp: 450

Ion Ratio Lower Upper

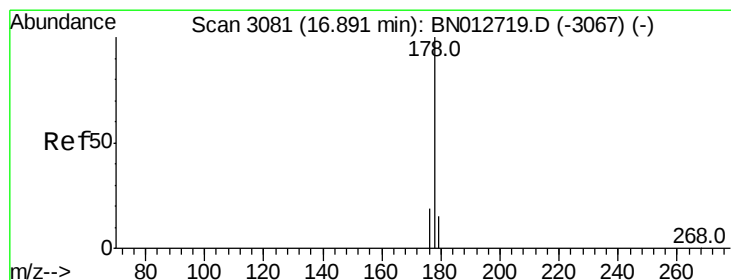
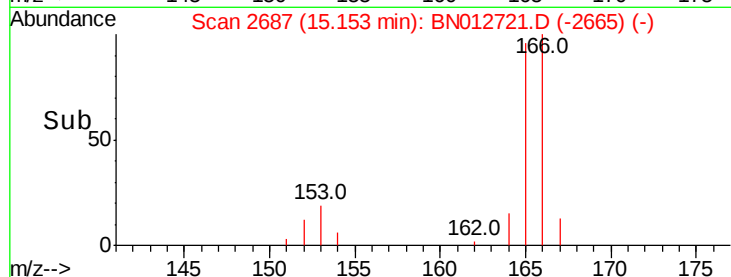
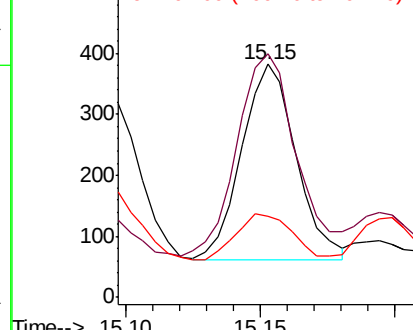
166 100

165 104.5 78.5 117.7

167 34.6 12.7 19.1#



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: 1.114 ng/ul

RT: 16.89 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

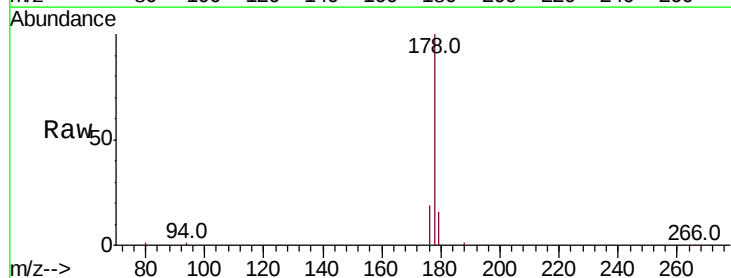
Tgt Ion:178 Resp: 16579

Ion Ratio Lower Upper

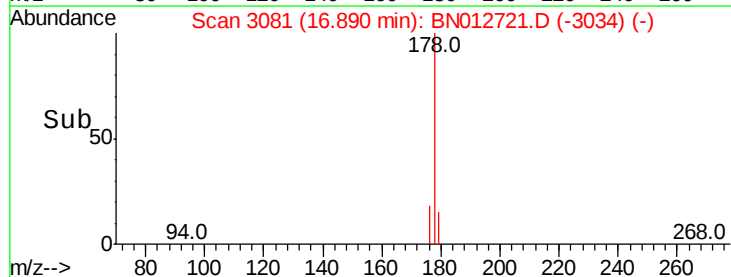
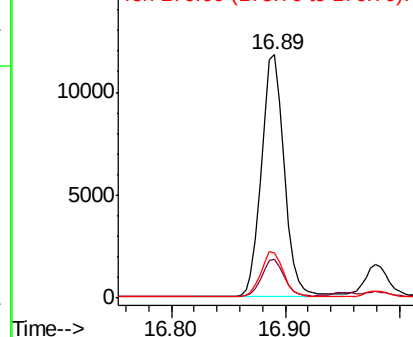
178 100

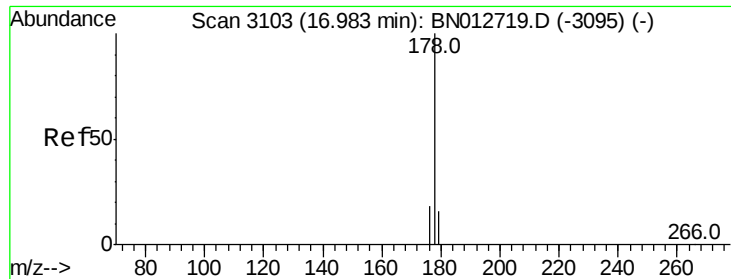
179 15.9 13.8 20.6

176 18.6 16.7 25.1



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: 0.166 ng/ul

RT: 16.98 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

Instrument :

BNA_N

ClientSampleId :

C0AW3

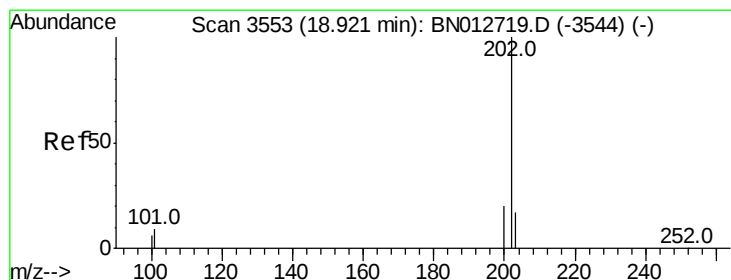
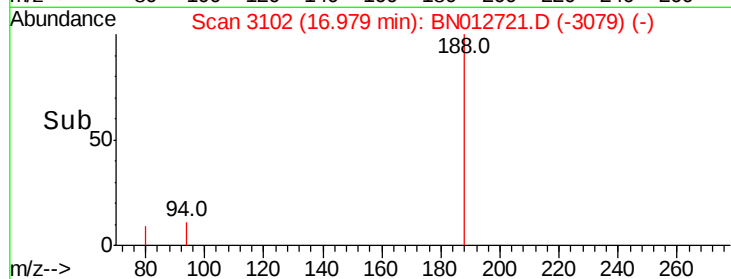
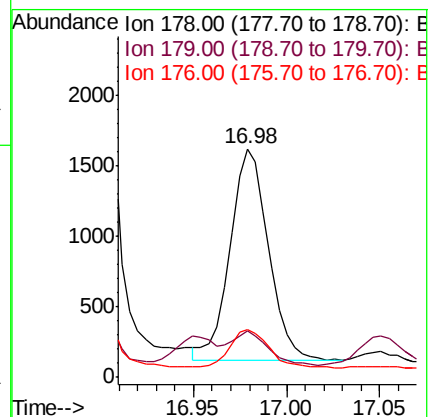
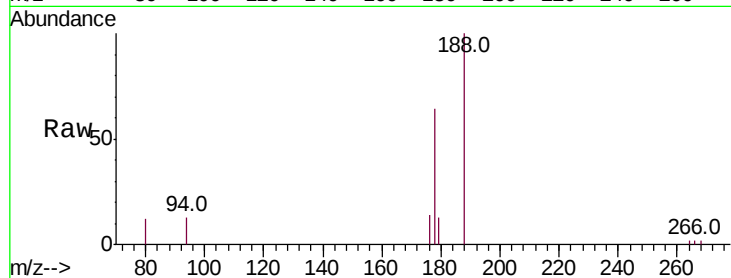
Tot Ion:178 Resp: 2142

Ion Ratio Lower Upper

178 100

179 20.4 14.8 22.2

176 21.2 16.3 24.5



#15

Fluoranthene

Concen: 2.189 ng/ul

RT: 18.92 min Scan# 3552

Delta R.T. -0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

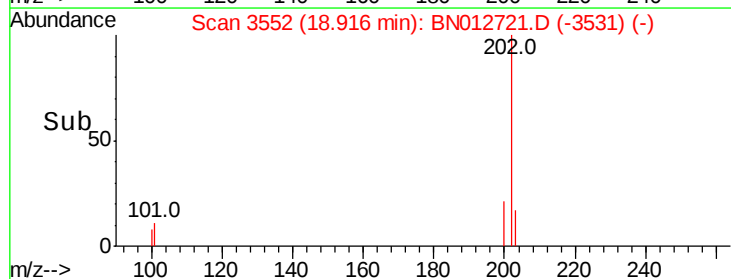
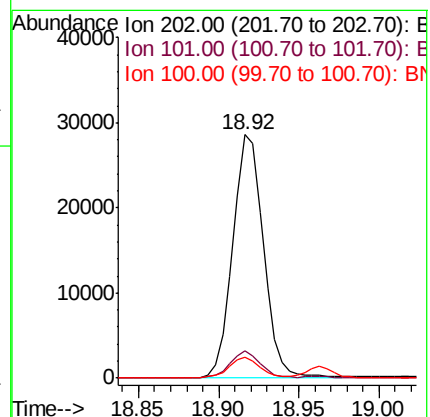
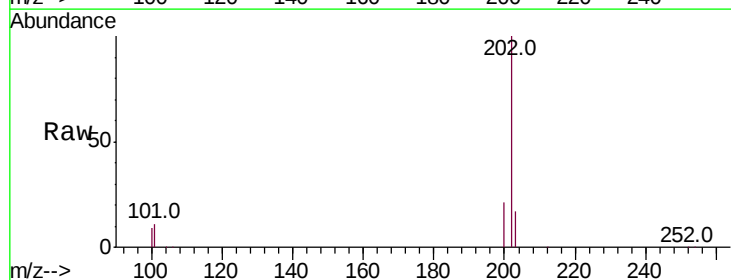
Tgt Ion:202 Resp: 37607

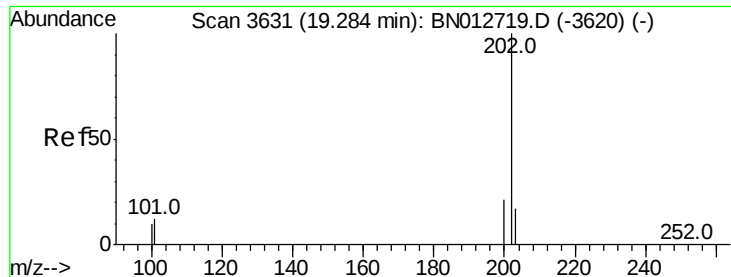
Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.5

100 8.5 0.0 28.4

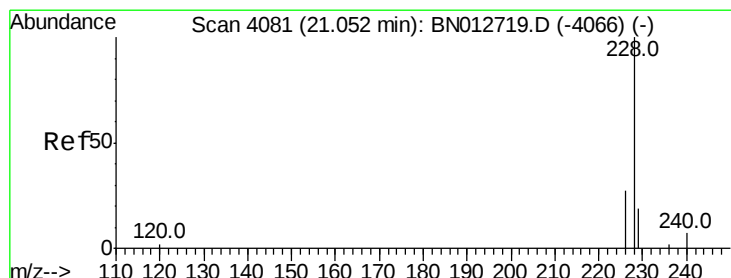
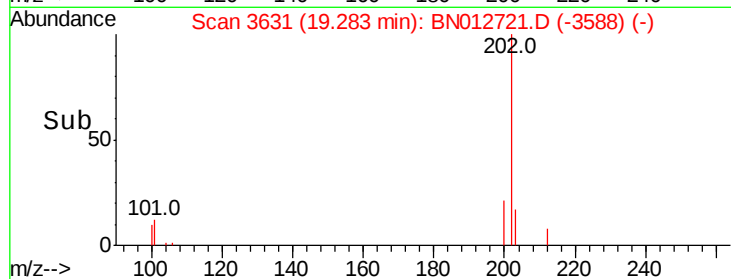
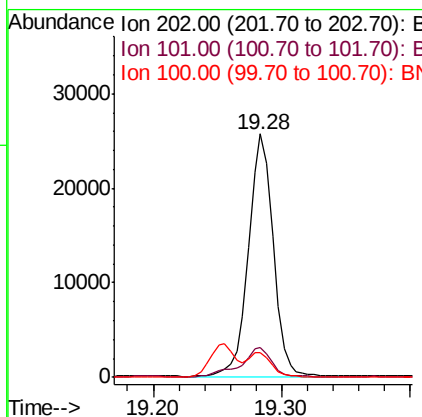
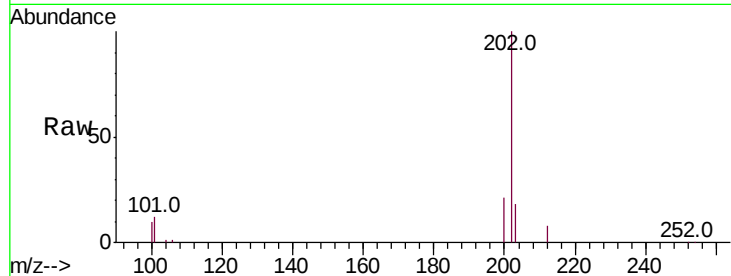




#17
Pvrene
Concen: 2.164 ng/ul
RT: 19.28 min Scan# 3631
Delta R.T. 0.00 min
Lab File: BN012721.D
Acq: 24 Nov 2020 18:03

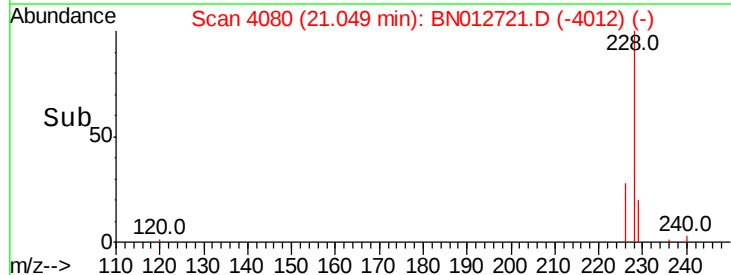
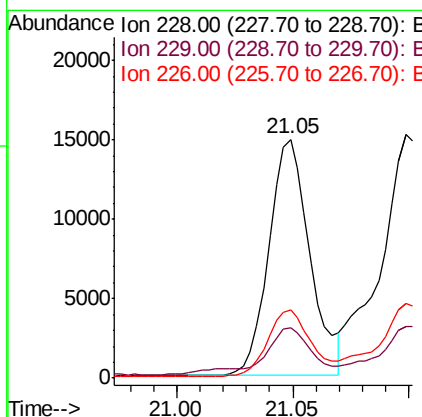
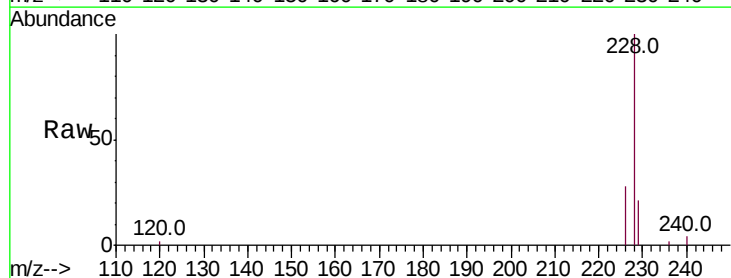
Instrument :
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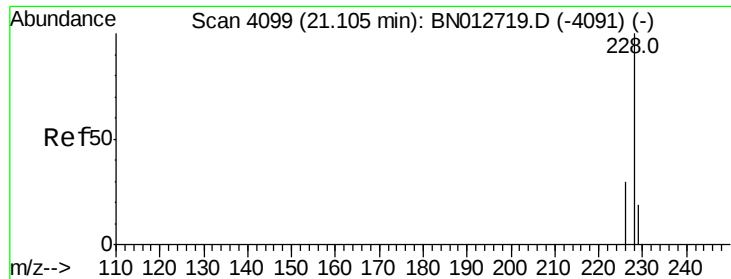
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	8.9	13.3
100	10.2	7.4	11.2



#18
Benzo(a)anthracene
Concen: 1.436 ng/ul
RT: 21.05 min Scan# 4080
Delta R.T. 0.00 min
Lab File: BN012721.D
Acq: 24 Nov 2020 18:03

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.9	25.3
226	28.5	23.1	34.7





#19

Chrysene

Concen: 1.445 ng/ul

RT: 21.10 min Scan# 4097

Delta R.T. -0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

Instrument :

BNA_N

ClientSampleId :

C0AW3

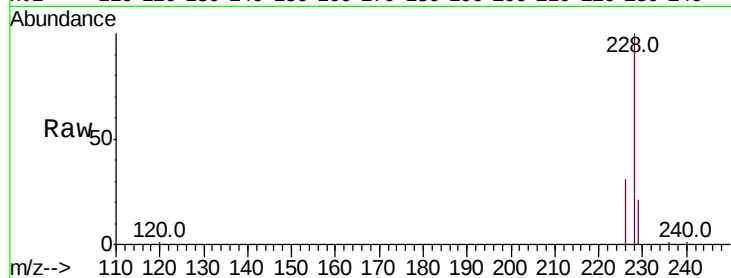
Tot Ion:228 Resp: 22924

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

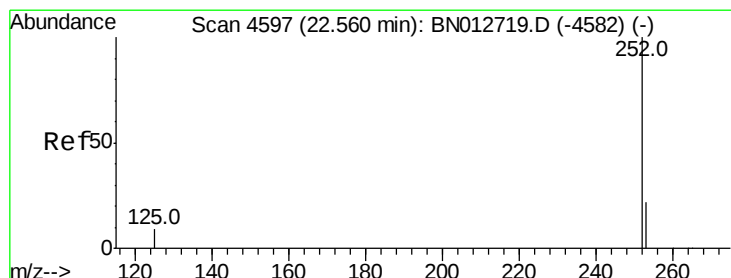
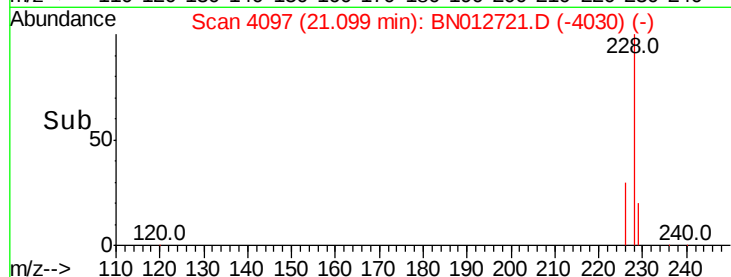
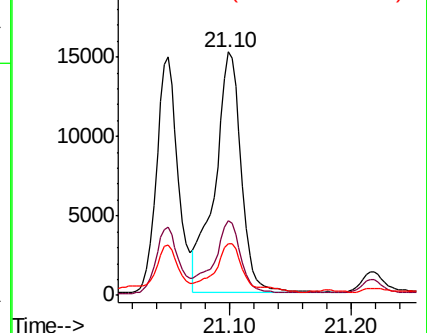
229 21.3 16.1 24.1



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: 2.699 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. 0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

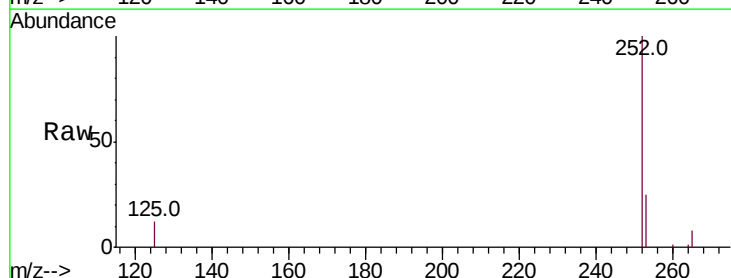
Tgt Ion:252 Resp: 45789

Ion Ratio Lower Upper

252 100

253 24.8 0.0 58.4

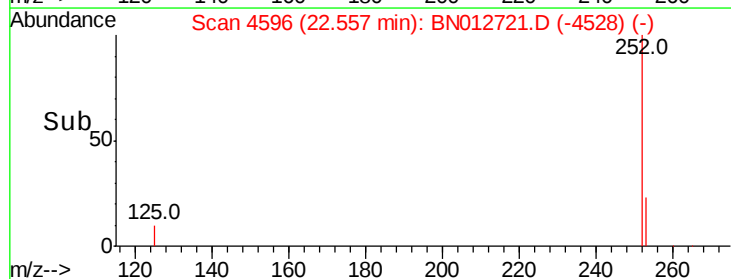
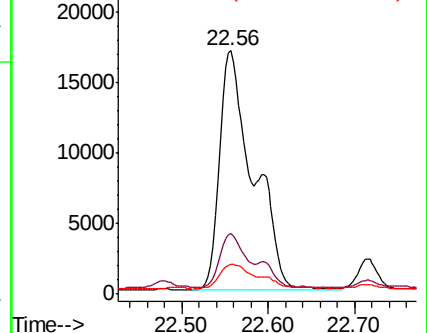
125 12.3 0.0 28.6

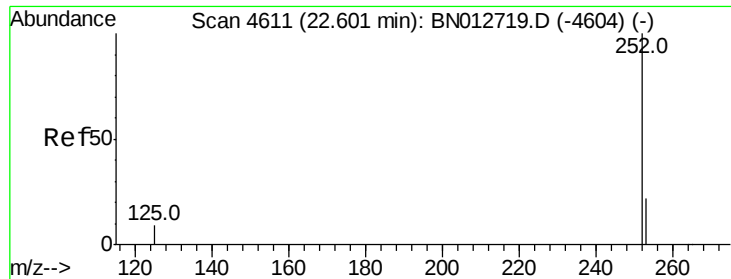


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.340 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.04 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

Instrument :

BNA_N

ClientSampleId :

C0AW3

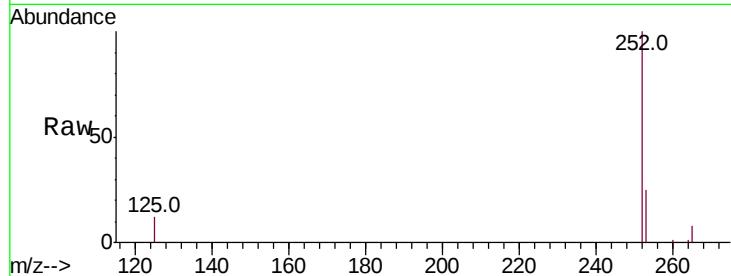
Tot Ion:252 Resp: 45789

Ion Ratio Lower Upper

252 100

253 24.8 23.4 35.2

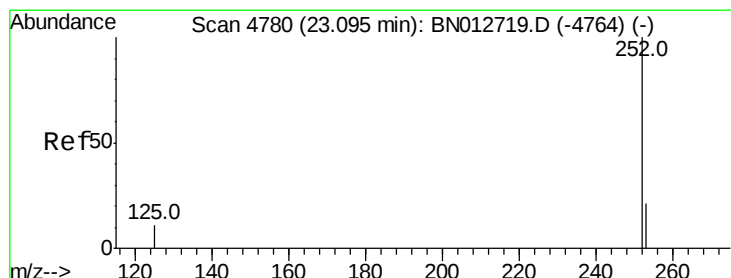
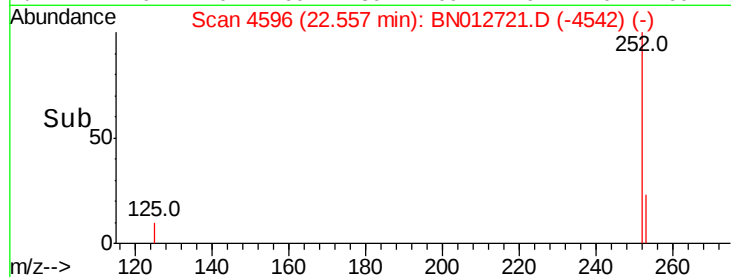
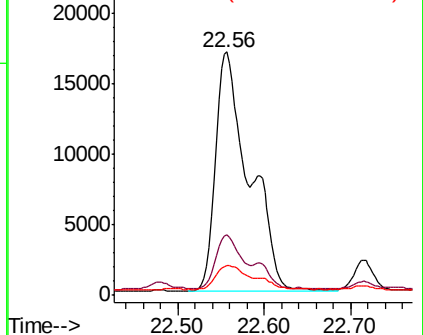
125 12.3 10.2 15.2



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



#23

Benzo(a)pyrene

Concen: 1.316 ng/ul

RT: 23.09 min Scan# 4778

Delta R.T. 0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

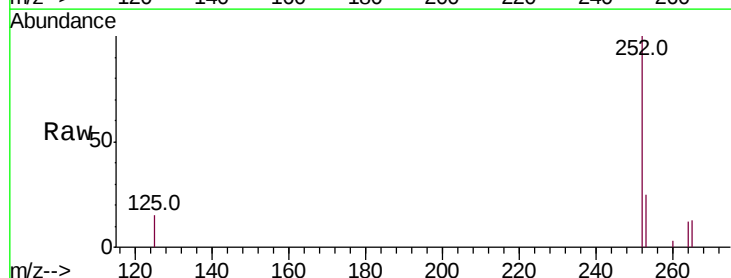
Tgt Ion:252 Resp: 21006

Ion Ratio Lower Upper

252 100

253 24.9 27.6 41.4#

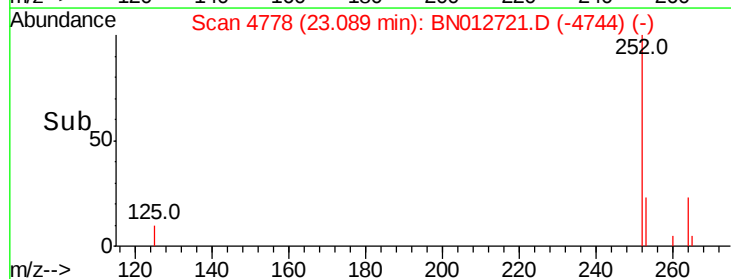
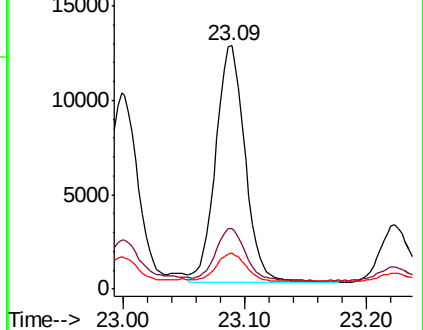
125 14.9 17.0 25.4#

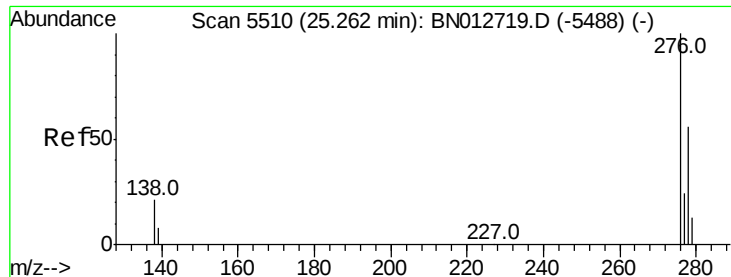


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



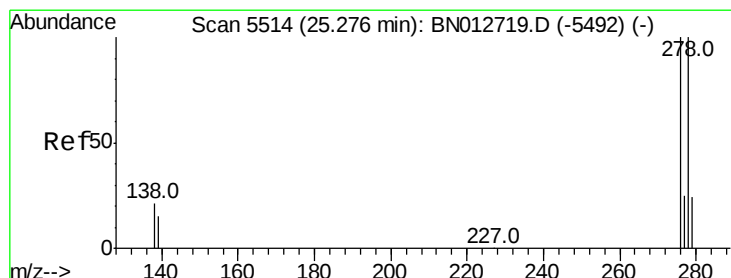
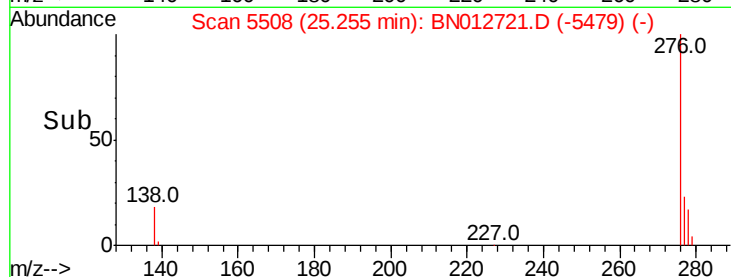
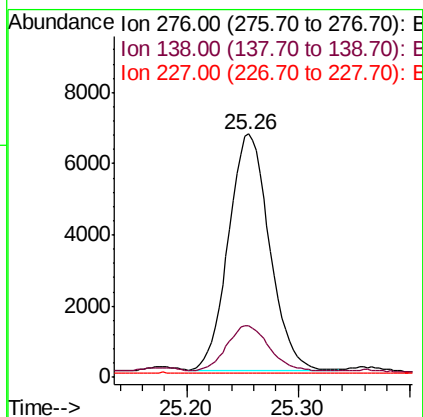
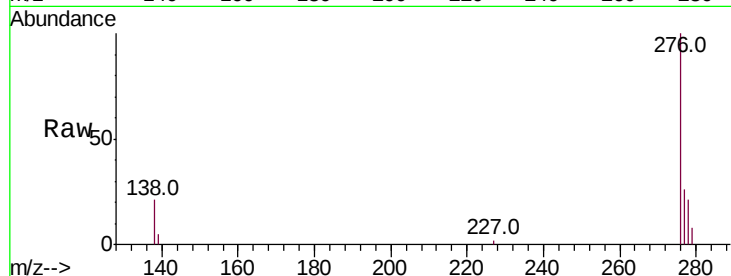


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.813 ng/ul
RT: 25.26 min Scan# 5508
Delta R.T. -0.00 min
Lab File: BN012721.D
Acq: 24 Nov 2020 18:03

Instrument :
BNA_N
ClientSampleId :
C0AW3

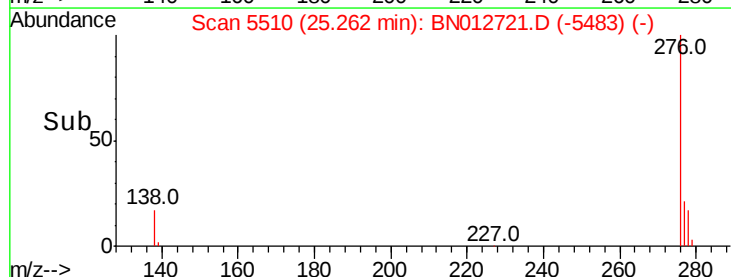
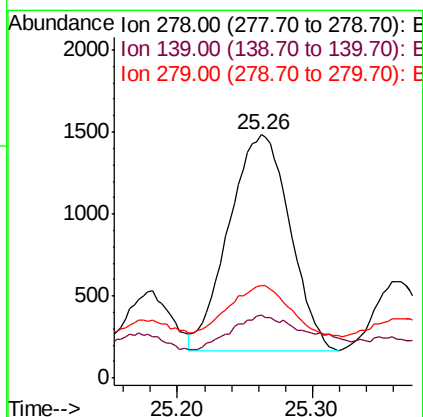
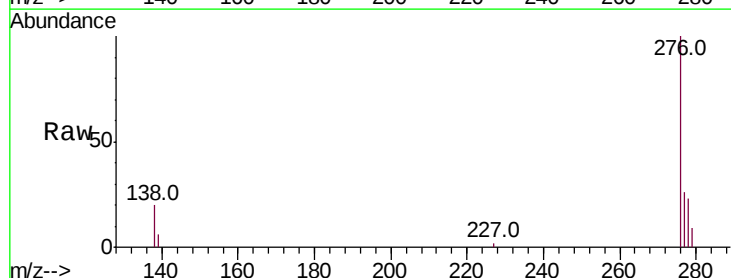
Tot Ion:276 Resp: 16972
Ion Ratio Lower Upper
276 100
138 19.8 16.5 24.7
227 0.0 0.1 0.1#

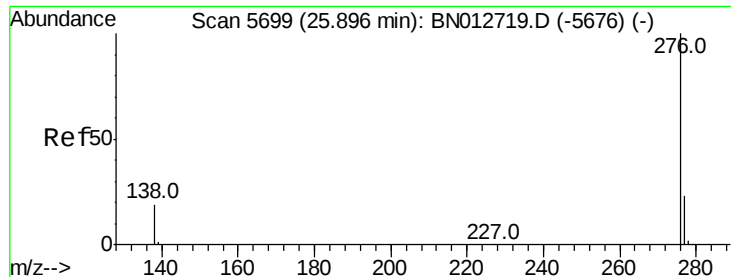


#25

Dibenzo(a,h)anthracene
Concen: 0.248 ng/ul
RT: 25.26 min Scan# 5510
Delta R.T. -0.01 min
Lab File: BN012721.D
Acq: 24 Nov 2020 18:03

Tgt Ion:278 Resp: 4161
Ion Ratio Lower Upper
278 100
139 25.8 13.8 20.8#
279 37.8 25.6 38.4





#26

Benzo(a,h,i)perylene

Concen: 0.840 ng/ul

RT: 25.89 min Scan# 5697

Delta R.T. 0.00 min

Lab File: BN012721.D

Acq: 24 Nov 2020 18:03

Instrument :

BNA_N

ClientSampleId :

C0AW3

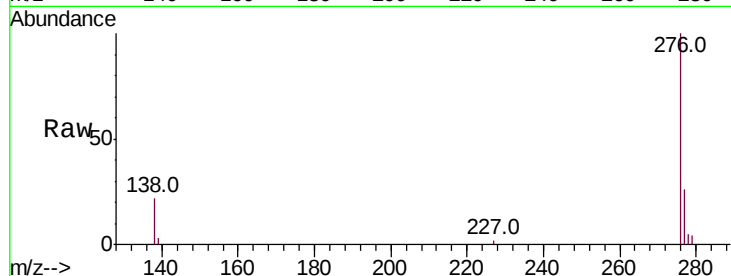
Tot Ion:276 Resp: 15790

Ion Ratio Lower Upper

276 100

138 21.6 16.3 24.5

277 25.6 21.8 32.8



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

