

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
 Data File : BN012683.D
 Acq On : 21 Nov 2020 13:01
 Operator : CG/JU
 Sample : L4710-09DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BE9DL

Quant Time: Nov 23 01:24:43 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 : Mon Nov 23 01:22:42 2020
 Response via : Initial Calibration

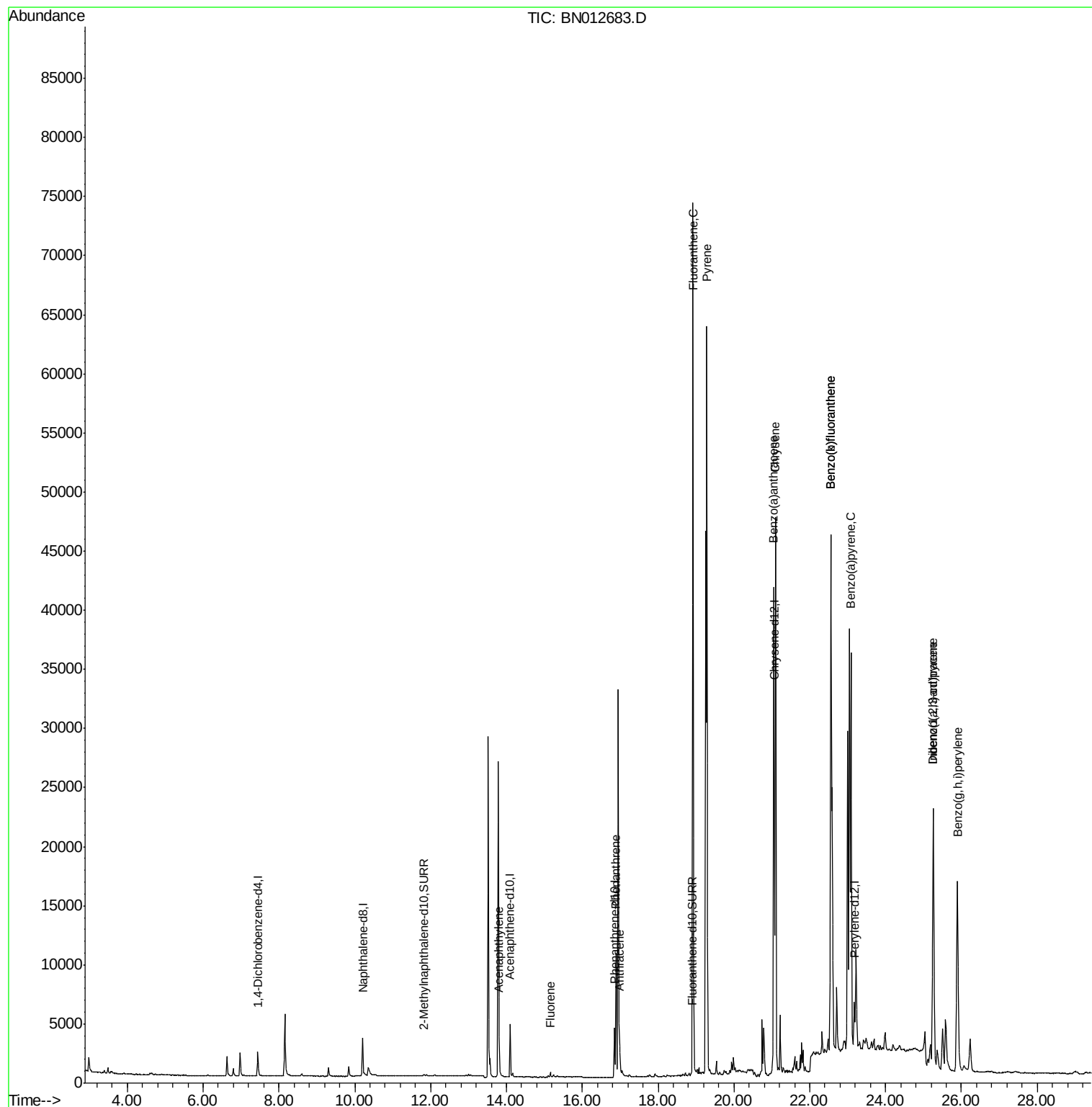
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	1083	0.40	ng/ul	0.00
2) Naphthalene-d8	10.21	136	4496	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.10	164	2466	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	4999	0.40	ng/ul	0.00
16) Chrysene-d12	21.06	240	4361	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	4441	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.82	152	224	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.89	212	449	0.03	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	13.82	152	498	0.041	ng/ul#	76
9) Fluorene	15.16	166	274	0.025	ng/ul#	91
12) Phenanthrene	16.89	178	11279	0.648	ng/ul	96
13) Anthracene	16.98	178	1777	0.118	ng/ul	97
15) Fluoranthene	18.92	202	62161	3.095	ng/ul	98
17) Pyrene	19.29	202	55077	2.823	ng/ul	100
18) Benzo(a)anthracene	21.05	228	33543	2.146	ng/ul	99
19) Chrysene	21.10	228	45946	2.354	ng/ul	99
21) Benzo(b)fluoranthene	22.56	252	91660	4.487	ng/ul	90
22) Benzo(k)fluoranthene	22.56	252	91660	3.891	ng/ul#	91
23) Benzo(a)pyrene	23.09	252	42364	2.203	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	25.26	276	32269	1.283	ng/ul	98
25) Dibenzo(a,h)anthracene	25.27	278	7871	0.390	ng/ul	97
26) Benzo(g,h,i)perylene	25.89	276	31404	1.388	ng/ul	96

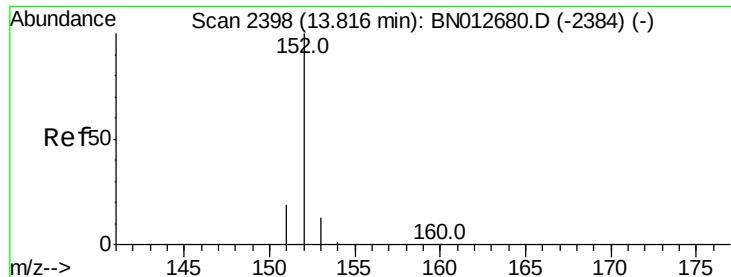
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.041 ng/ul

RT: 13.82 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

Instrument :

BNA_N

ClientSampleId :

C0BE9DL

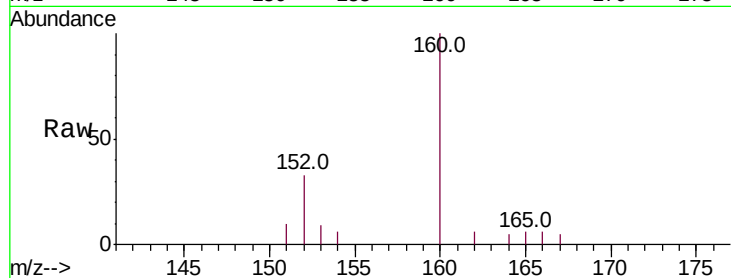
Tot Ion:152 Resp: 498

Ion Ratio Lower Upper

152 100

151 32.0 17.1 25.7#

153 26.5 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

13.82

300

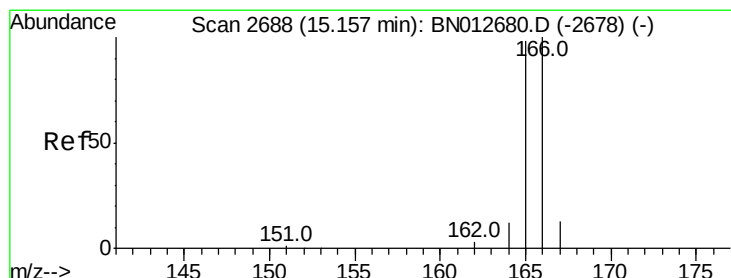
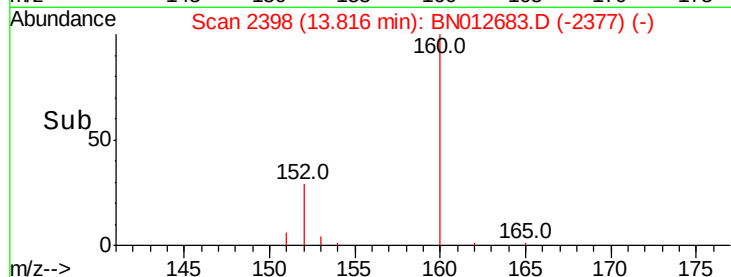
200

100

0

Time-->

13.70 13.80 13.90



#9

Fluorene

Concen: 0.025 ng/ul

RT: 15.16 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

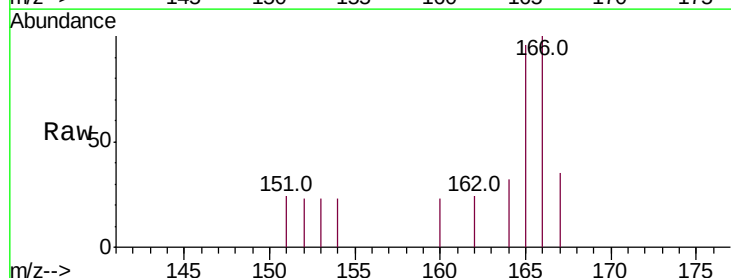
Tgt Ion:166 Resp: 274

Ion Ratio Lower Upper

166 100

165 95.6 78.5 117.7

167 35.1 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

15.16

300

250

200

150

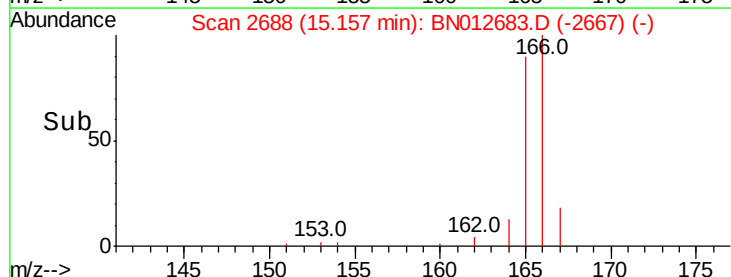
100

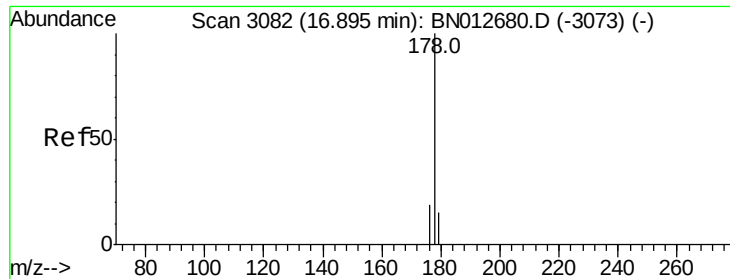
50

0

Time-->

15.10 15.15 15.20 15.25





#12

Phenanthrene

Concen: 0.648 ng/ul

RT: 16.89 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

Instrument :

BNA_N

ClientSampleId :

C0BE9DL

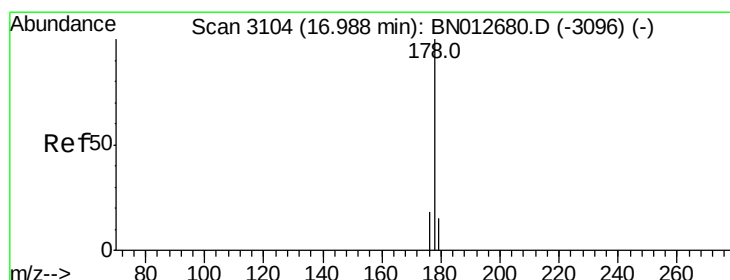
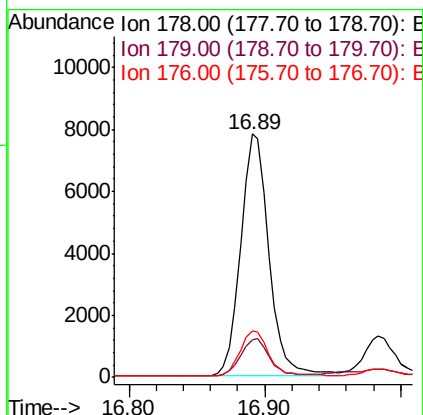
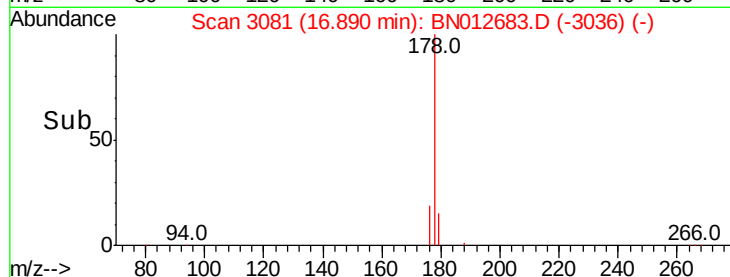
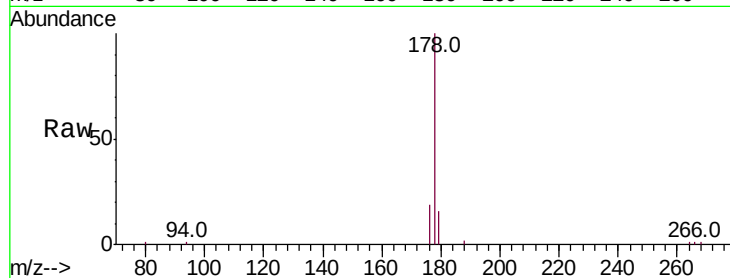
Tot Ion:178 Resp: 11279

Ion Ratio Lower Upper

178 100

179 15.6 13.8 20.6

176 19.2 16.7 25.1



#13

Anthracene

Concen: 0.118 ng/ul

RT: 16.98 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

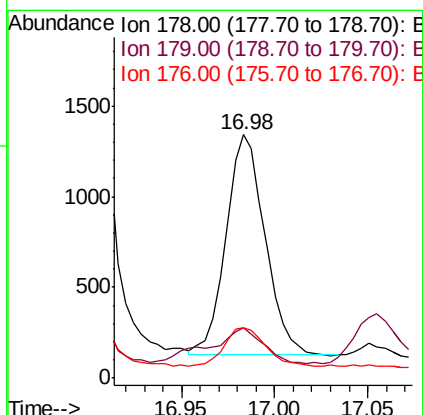
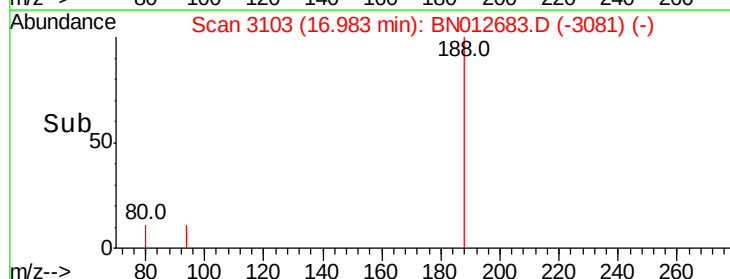
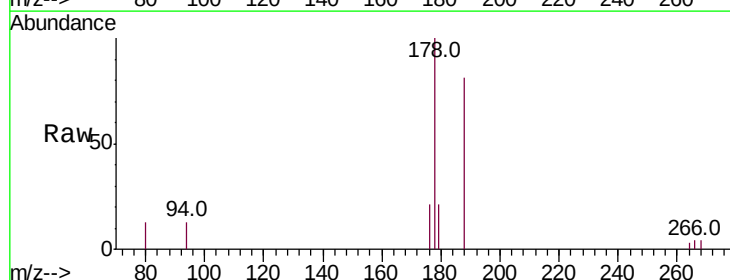
Tgt Ion:178 Resp: 1777

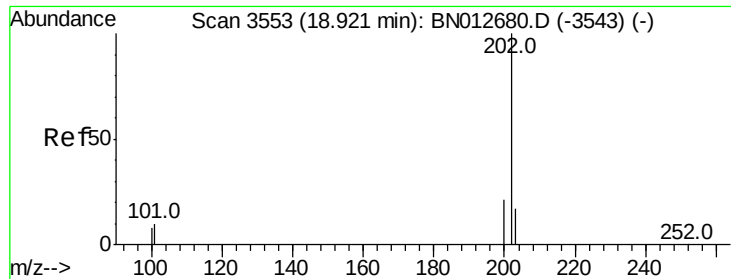
Ion Ratio Lower Upper

178 100

179 20.9 14.8 22.2

176 20.9 16.3 24.5

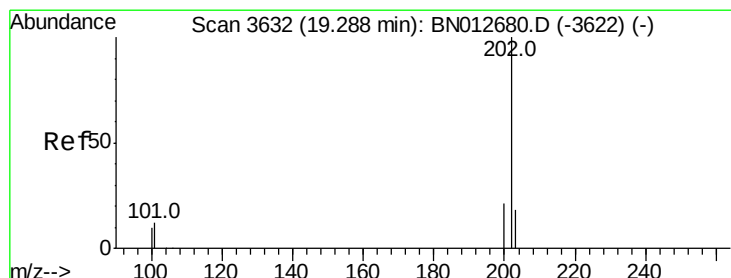
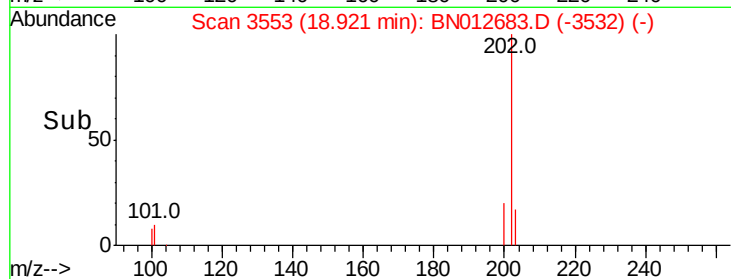
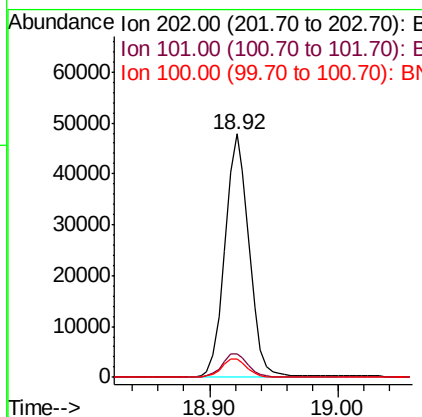
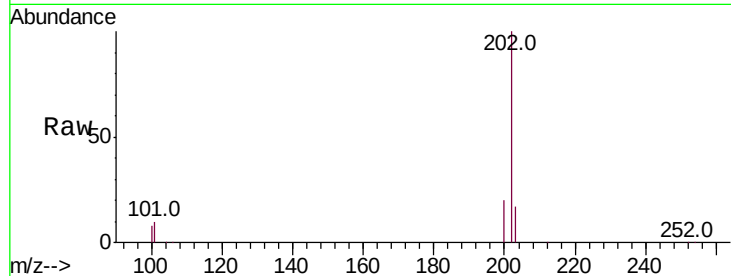




#15
 Fluoranthene
 Concen: 3.095 ng/ul
 RT: 18.92 min Scan# 3553
 Delta R.T. -0.00 min
 Lab File: BN012683.D
 Acq: 21 Nov 2020 13:01

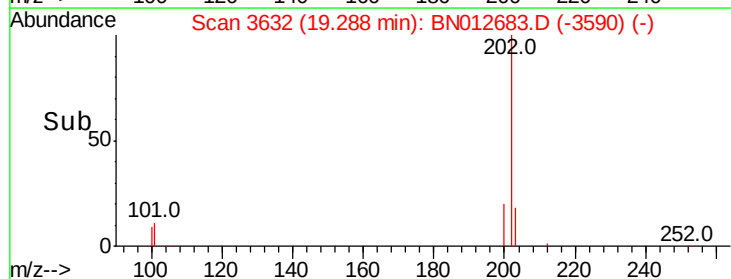
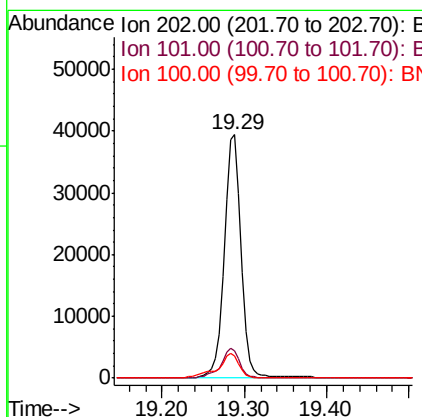
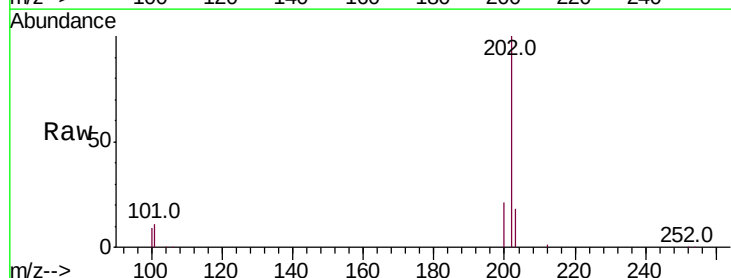
Instrument :
 BNA_N
 ClientSampleId :
 C0BE9DL

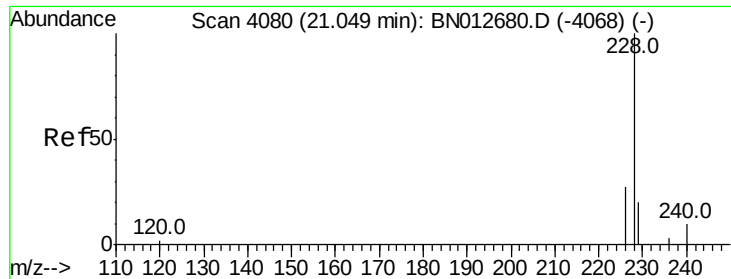
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.5
100	7.6	0.0	28.4



#17
 Pyrene
 Concen: 2.823 ng/ul
 RT: 19.29 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: BN012683.D
 Acq: 21 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.9	13.3
100	9.2	7.4	11.2





#18

Benzo(a)anthracene

Concen: 2.146 ng/ul

RT: 21.05 min Scan# 4079

Delta R.T. -0.01 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

Instrument :

BNA_N

ClientSampleId :

C0BE9DL

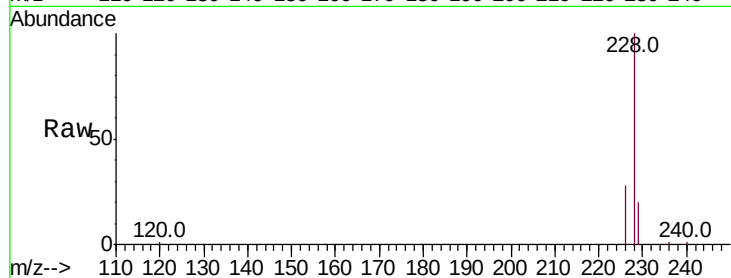
Tot Ion:228 Resp: 33543

Ion Ratio Lower Upper

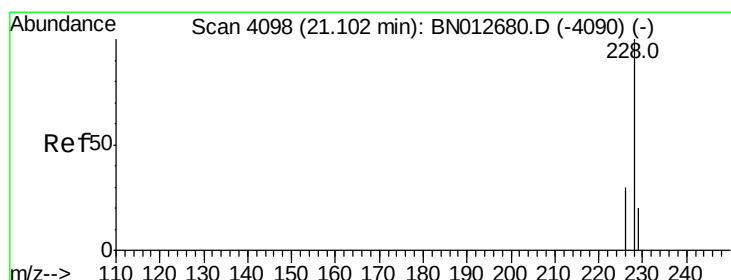
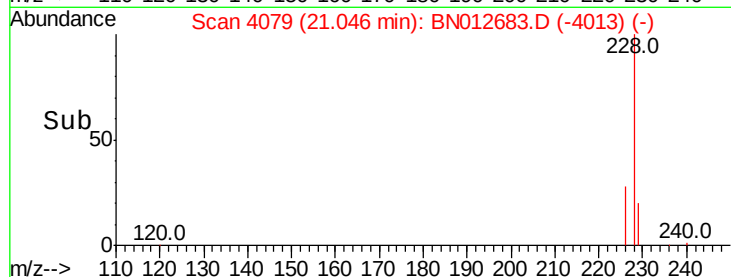
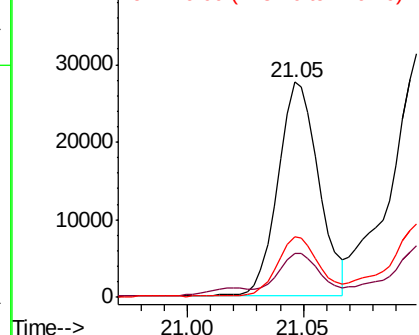
228 100

229 20.4 16.9 25.3

226 28.1 23.1 34.7



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: 2.354 ng/ul

RT: 21.10 min Scan# 4097

Delta R.T. -0.01 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

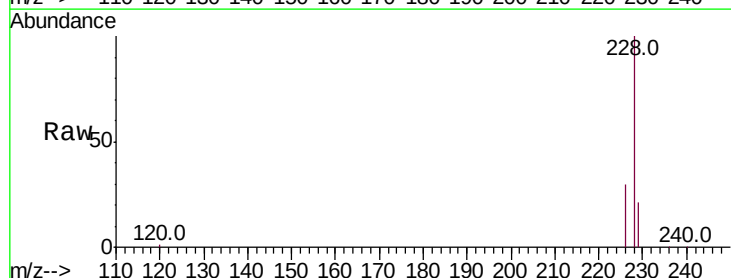
Tgt Ion:228 Resp: 45946

Ion Ratio Lower Upper

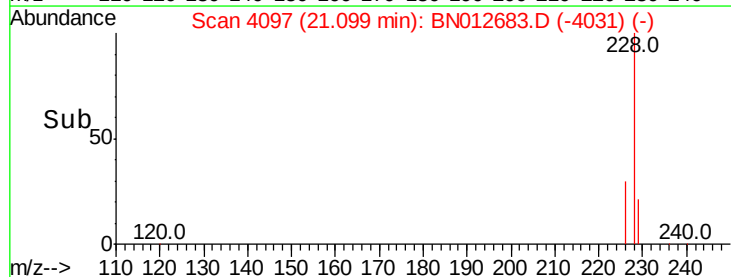
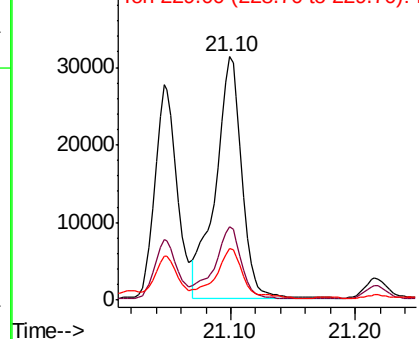
228 100

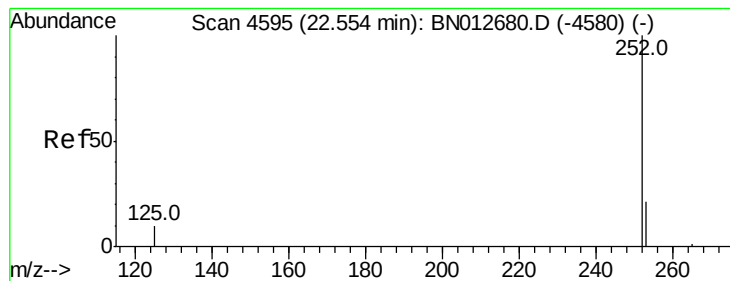
226 30.1 24.4 36.6

229 21.1 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: 4.487 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.00 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

Instrument :

BNA_N

ClientSampleId :

C0BE9DL

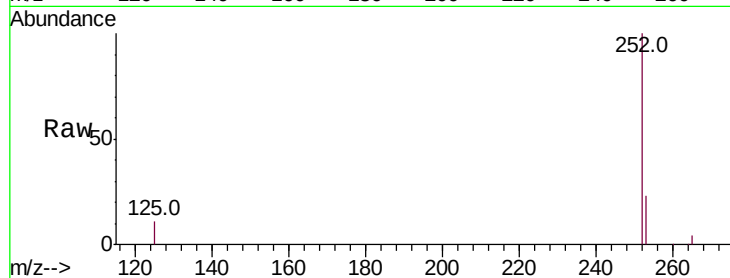
Tot Ion:252 Resp: 91660

Ion Ratio Lower Upper

252 100

253 23.4 0.0 58.4

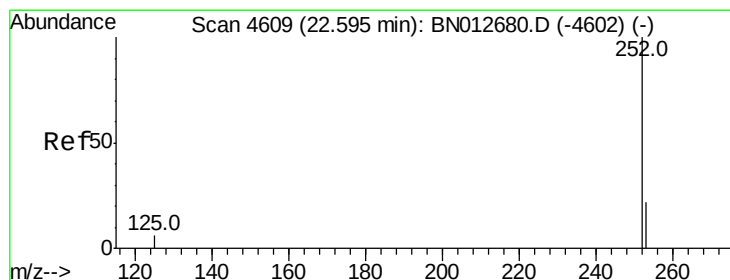
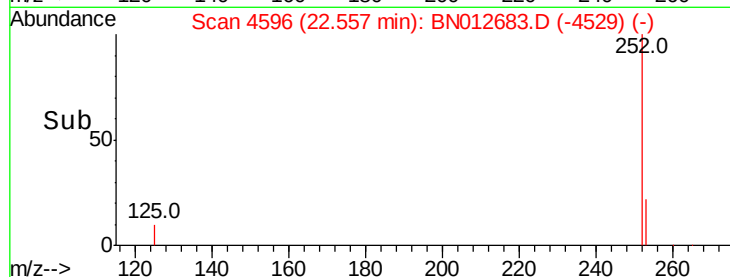
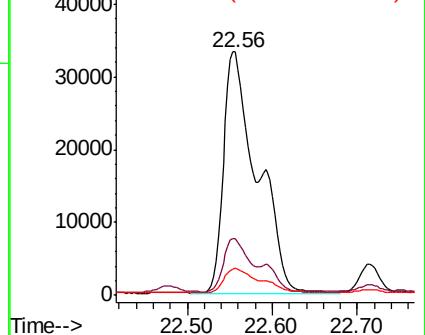
125 11.0 0.0 28.6



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: 3.891 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.04 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

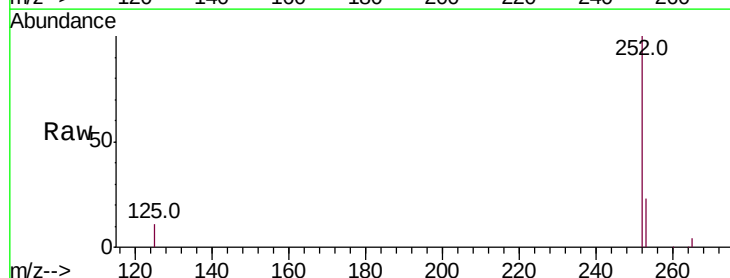
Tgt Ion:252 Resp: 91660

Ion Ratio Lower Upper

252 100

253 23.4 23.4 35.2#

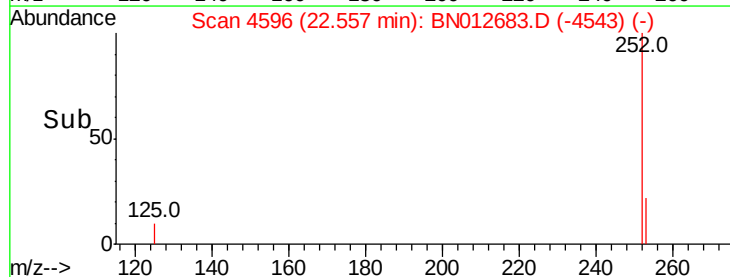
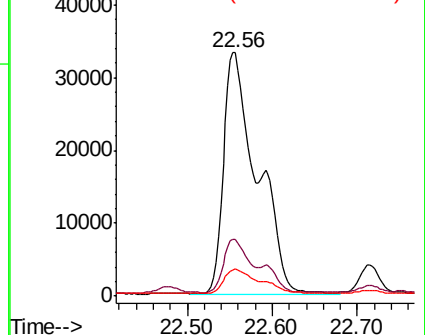
125 11.0 10.2 15.2

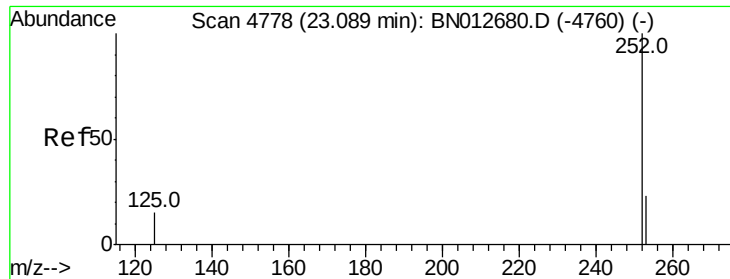


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.203 ng/ul

RT: 23.09 min Scan# 4777

Delta R.T. -0.01 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

Instrument :

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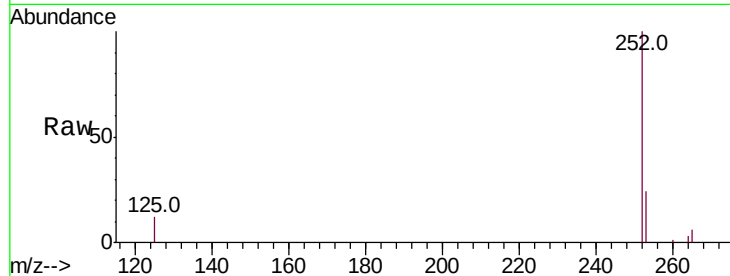
Tot Ion:252 Resp: 42364

Ion Ratio Lower Upper

252 100

253 23.9 27.6 41.4#

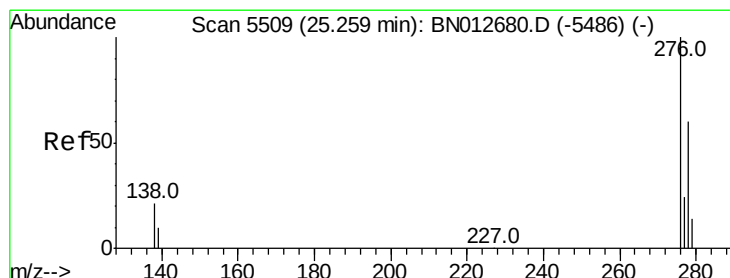
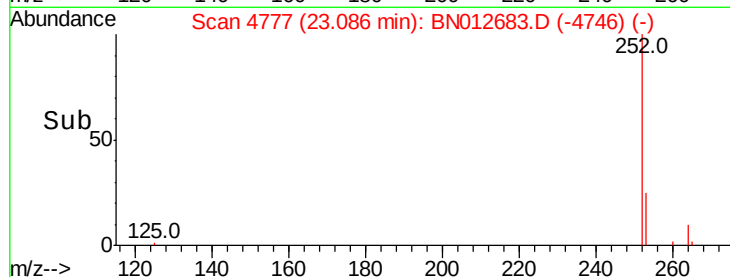
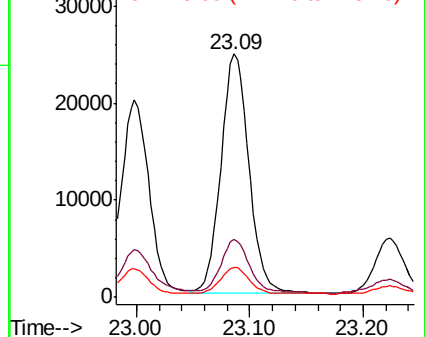
125 12.1 17.0 25.4#



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: 1.283 ng/ul

RT: 25.26 min Scan# 5508

Delta R.T. -0.01 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

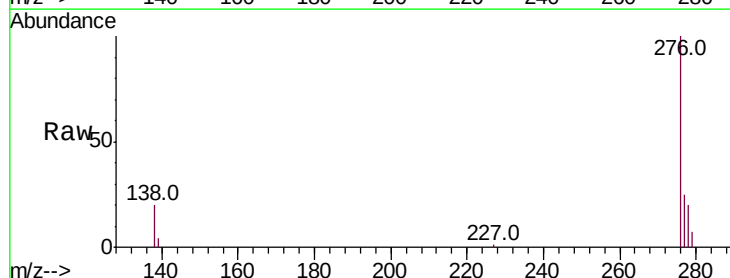
Tgt Ion:276 Resp: 32269

Ion Ratio Lower Upper

276 100

138 19.9 16.5 24.7

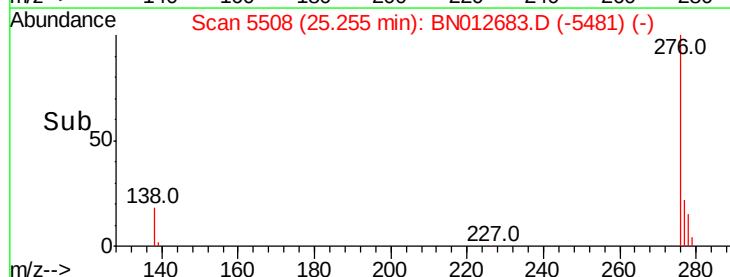
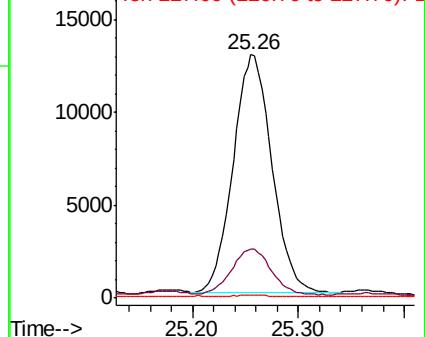
227 0.1 0.1 0.1

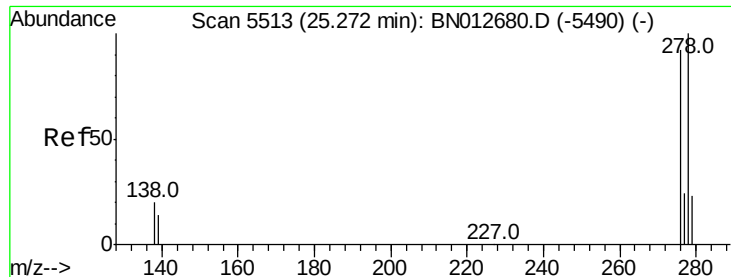


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.390 ng/ul

RT: 25.27 min Scan# 5511

Delta R.T. -0.02 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

Instrument :

BNA_N

ClientSampleId :

C0BE9DL

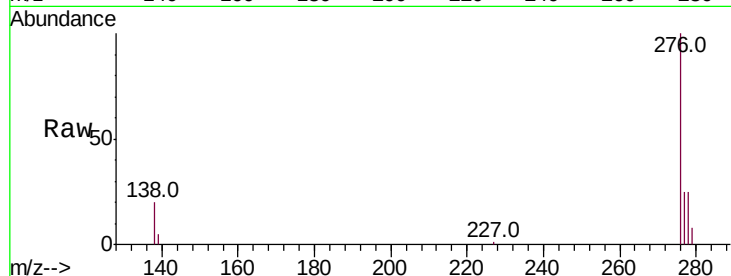
Tot Ion:278 Resp: 7871

Ion Ratio Lower Upper

278 100

139 20.1 13.8 20.8

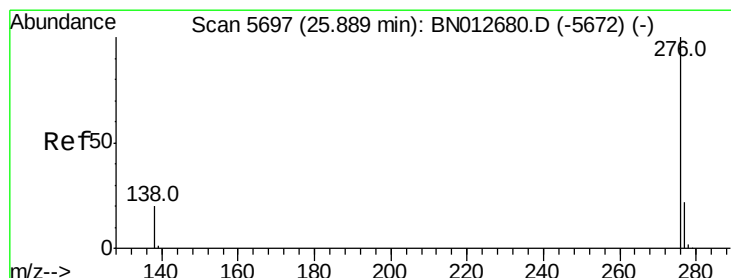
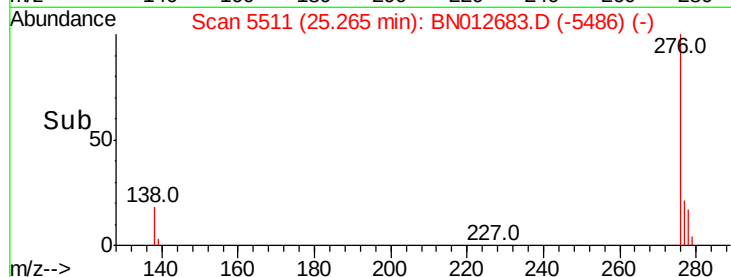
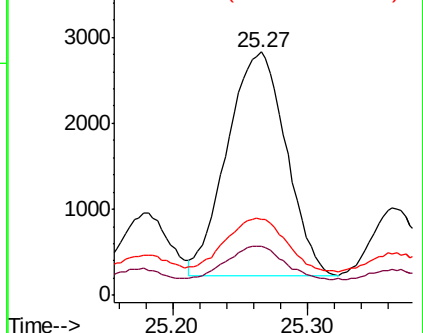
279 31.3 25.6 38.4



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(g,h,i)perylene

Concen: 1.388 ng/ul

RT: 25.89 min Scan# 5698

Delta R.T. -0.01 min

Lab File: BN012683.D

Acq: 21 Nov 2020 13:01

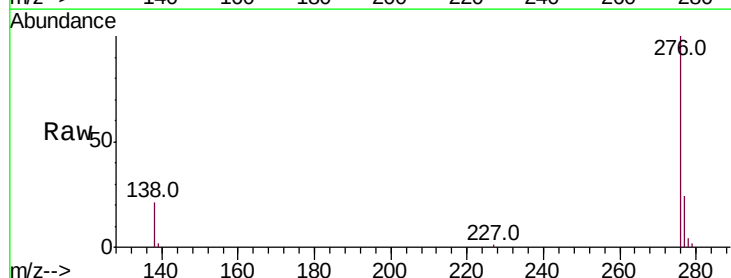
Tgt Ion:276 Resp: 31404

Ion Ratio Lower Upper

276 100

138 21.0 16.3 24.5

277 24.3 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

