

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012945.D
 Acq On : 07 Dec 2020 18:42
 Operator : CG/JU
 Sample : L4859-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B93

Quant Time: Dec 08 00:16:40 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

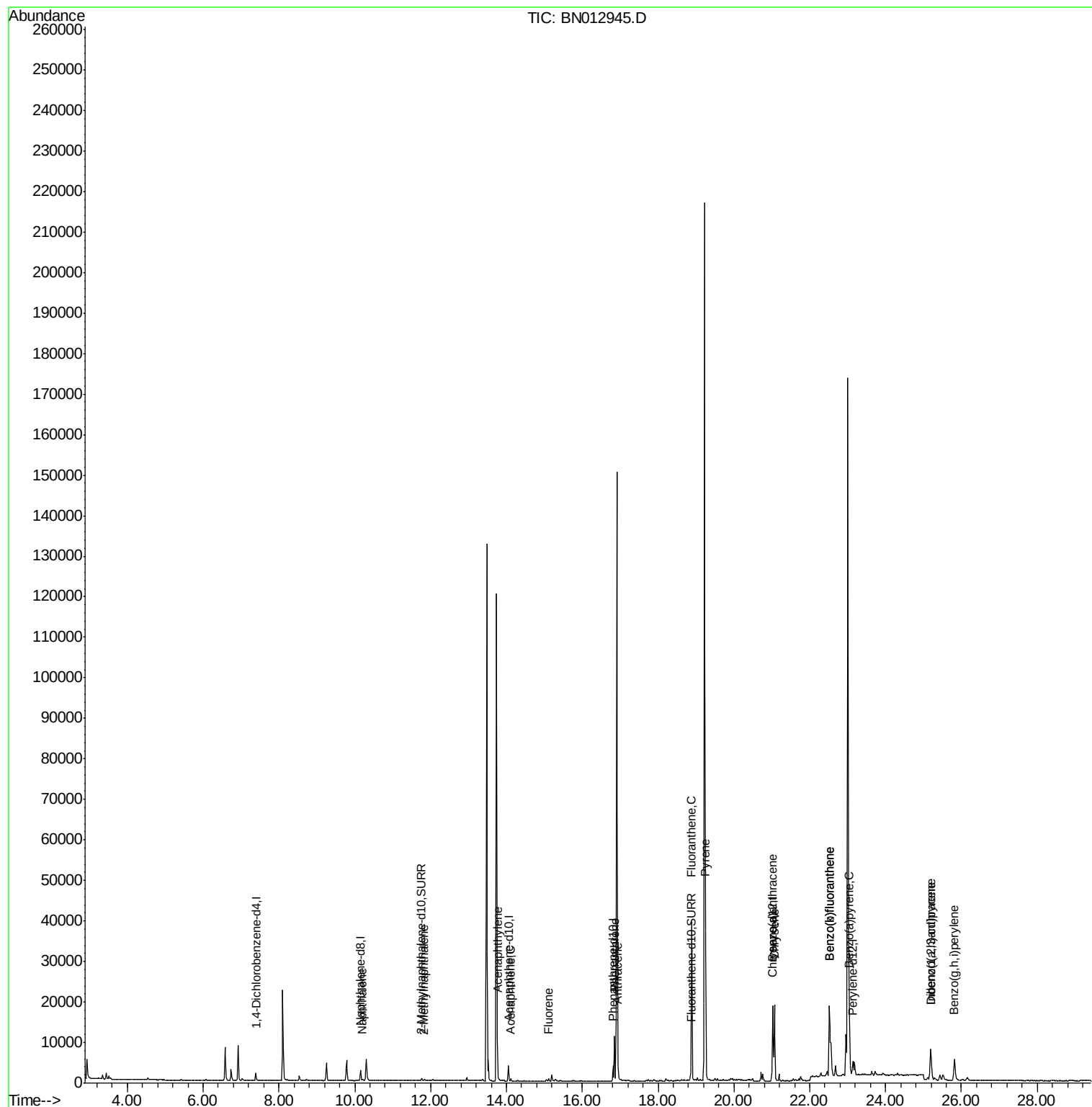
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	886	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	3422	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	1989	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4318	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	3980	0.40	ng/ul	0.00
20) Perylene-d12	23.14	264	4023	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	742	0.15	ng/ul	0.00
14) Fluoranthene-d10	18.86	212	1851	0.16	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	496	0.050	ng/ul#	80
5) 2-Methylnaphthalene	11.84	142	303	0.047	ng/ul	99
7) Acenaphthylene	13.77	152	709	0.075	ng/ul#	87
8) Acenaphthene	14.12	153	302	0.039	ng/ul#	91
9) Fluorene	15.12	166	349	0.039	ng/ul#	95
12) Phenanthrene	16.85	178	11328	0.782	ng/ul	97
13) Anthracene	16.94	178	1910	0.155	ng/ul	97
15) Fluoranthene	18.88	202	33571	1.951	ng/ul	96
17) Pyrene	19.25	202	31285	1.664	ng/ul	99
18) Benzo(a)anthracene	21.02	228	14969	0.909	ng/ul	98
19) Chrysene	21.07	228	18244	1.003	ng/ul	99
21) Benzo(b)fluoranthene	22.52	252	35930	1.931	ng/ul	92
22) Benzo(k)fluoranthene	22.52	252	35930	1.747	ng/ul	92
23) Benzo(a)pyrene	23.04	252	16462	0.953	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.19	276	11423	0.504	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.20	278	2764	0.154	ng/ul#	89
26) Benzo(a,h,i)perylene	25.82	276	10249	0.499	ng/ul	97

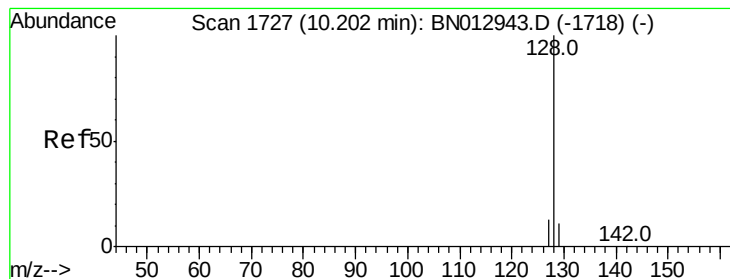
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.050 ng/ul

RT: 10.20 min Scan# 1726

Delta R.T. -0.01 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

Instrument :

BNA_N

ClientSampleId :

C0B93

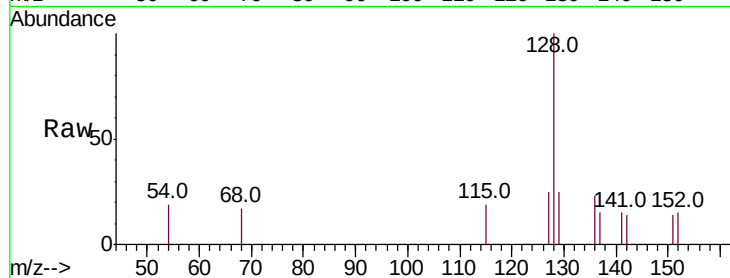
Tot Ion:128 Resp: 496

Ion Ratio Lower Upper

128 100

129 25.2 12.3 18.5#

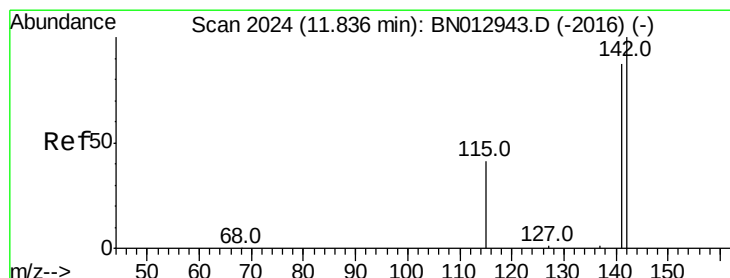
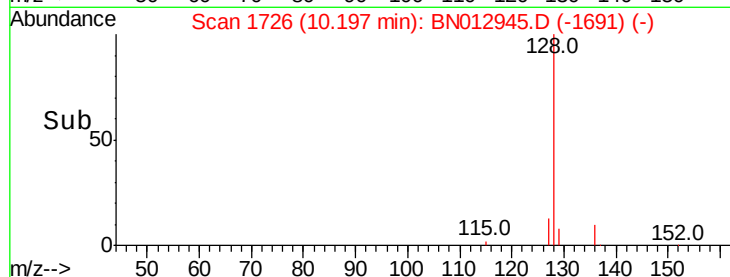
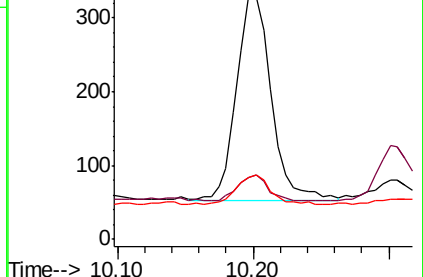
127 25.2 14.2 21.4#



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: 0.047 ng/ul

RT: 11.84 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BN012945.D

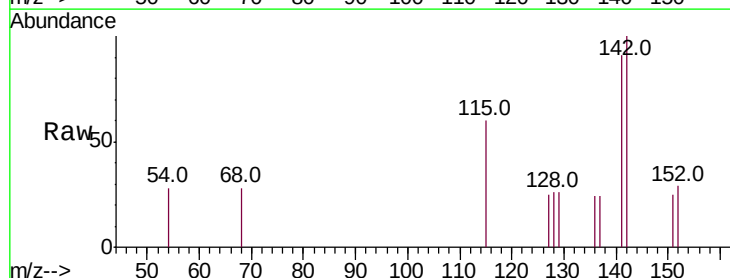
Acq: 07 Dec 2020 18:42

Tgt Ion:142 Resp: 303

Ion Ratio Lower Upper

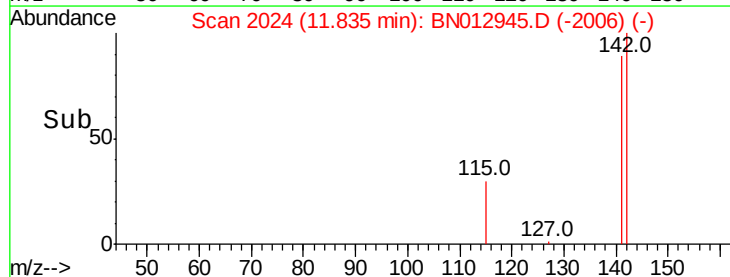
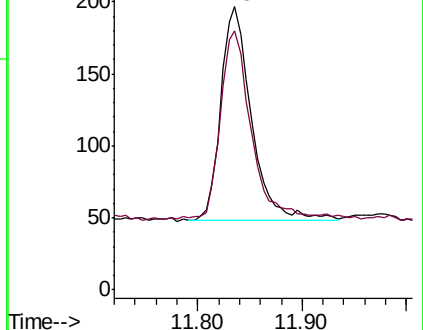
142 100

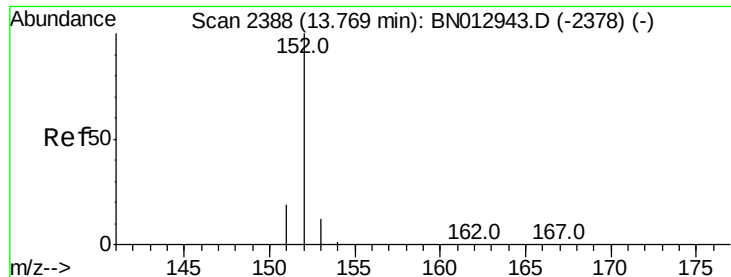
141 90.1 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.075 ng/ul

RT: 13.77 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

Instrument :

BNA_N

ClientSampleId :

C0B93

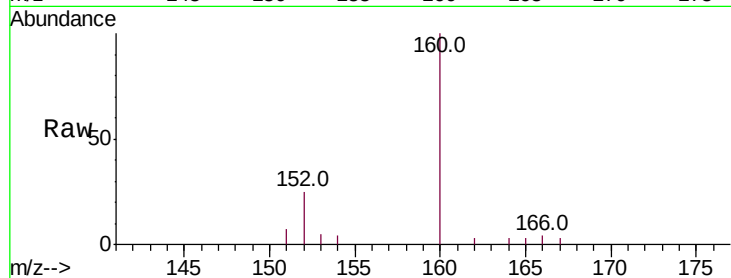
Tot Ion:152 Resp: 709

Ion Ratio Lower Upper

152 100

151 28.7 18.2 27.4#

153 22.1 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

13.77

400

300

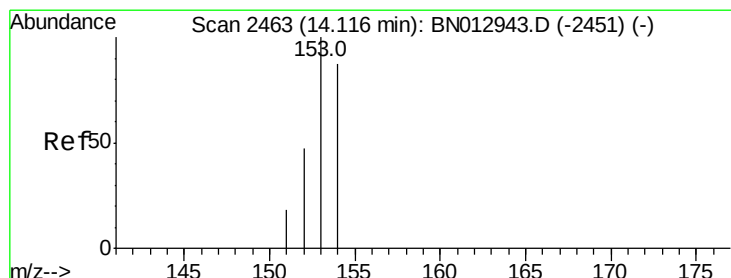
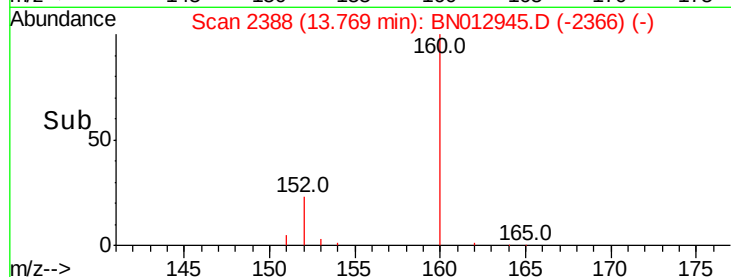
200

100

0

13.70 13.80

Time-->



#8

Acenaphthene

Concen: 0.039 ng/ul

RT: 14.12 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

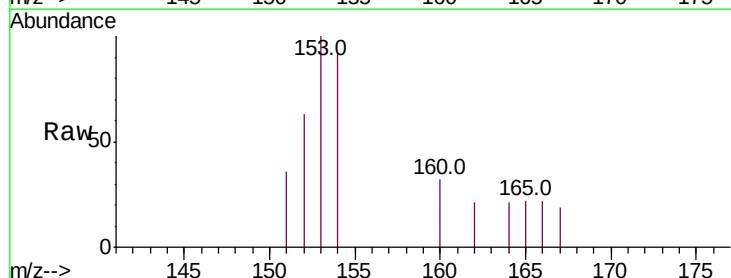
Tgt Ion:153 Resp: 302

Ion Ratio Lower Upper

153 100

152 63.1 40.7 61.1#

154 92.2 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

14.12

300

250

200

150

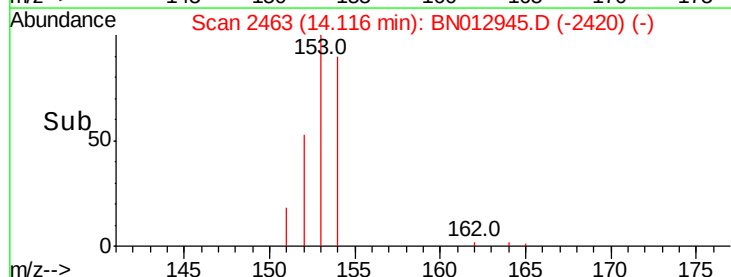
100

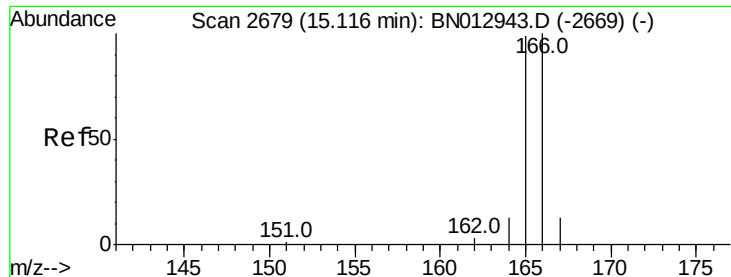
50

0

14.05 14.10 14.15 14.20

Time-->





#9

Fluorene

Concen: 0.039 ng/ul

RT: 15.12 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

Instrument :

BNA_N

ClientSampleId :

C0B93

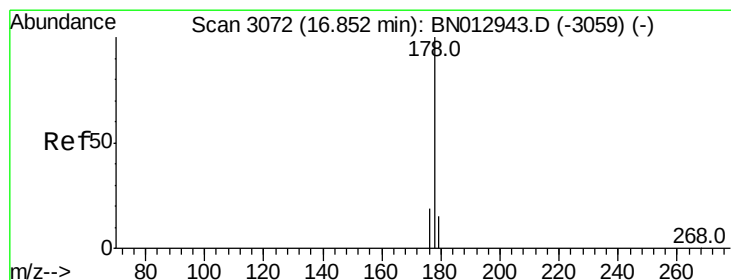
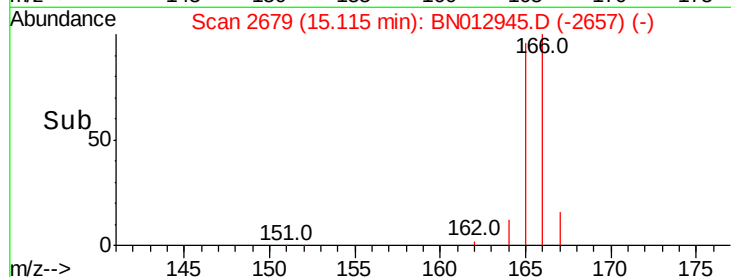
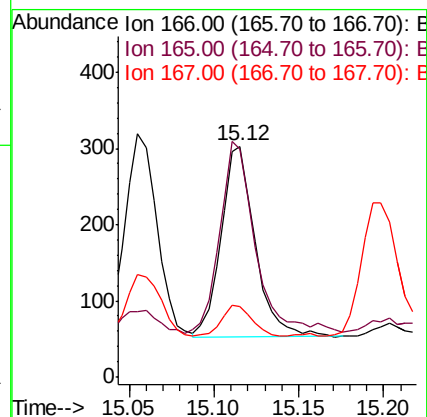
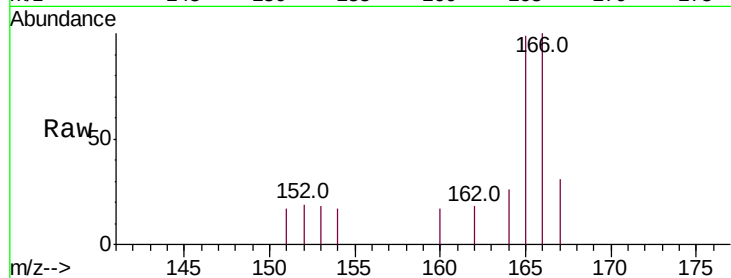
Tot Ion:166 Resp: 349

Ion Ratio Lower Upper

166 100

165 99.0 79.8 119.8

167 30.7 13.8 20.8#



#12

Phenanthrene

Concen: 0.782 ng/ul

RT: 16.85 min Scan# 3072

Delta R.T. -0.00 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

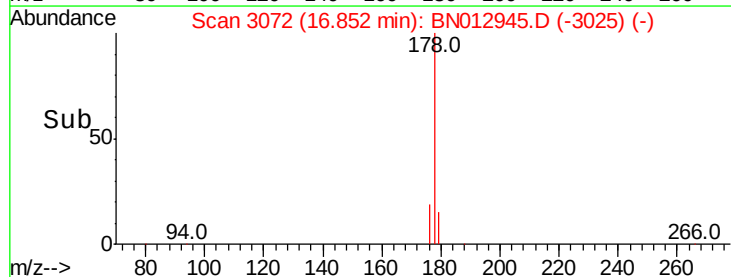
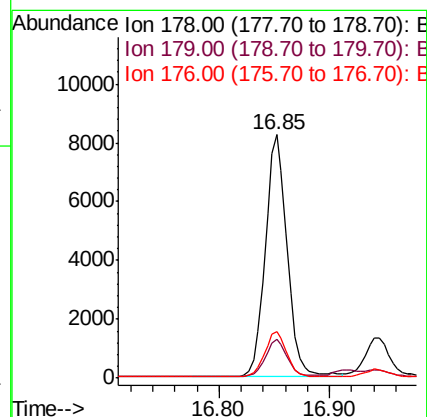
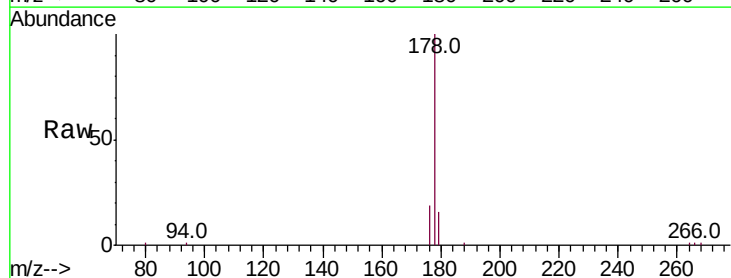
Tgt Ion:178 Resp: 11328

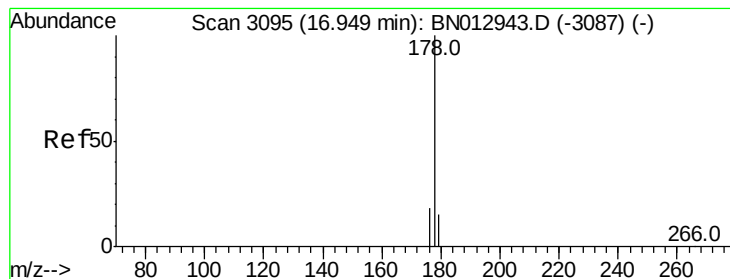
Ion Ratio Lower Upper

178 100

179 15.9 13.6 20.4

176 19.1 16.4 24.6





#13

Anthracene

Concen: 0.155 ng/ul

RT: 16.94 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

Instrument :

BNA_N

ClientSampleId :

C0B93

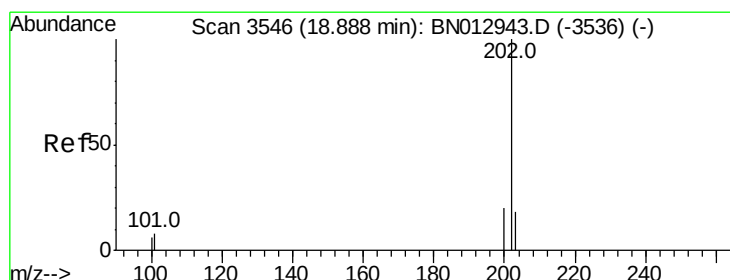
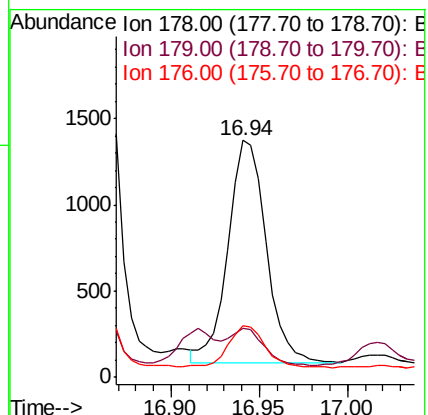
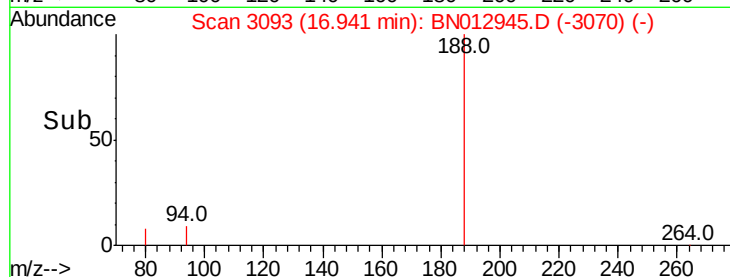
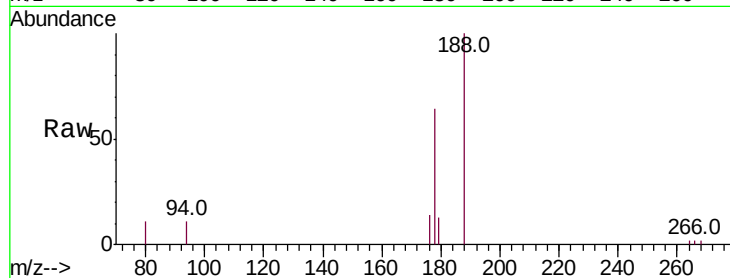
Tot Ion:178 Resp: 1910

Ion Ratio Lower Upper

178 100

179 20.8 14.6 21.8

176 21.9 17.1 25.7



#15

Fluoranthene

Concen: 1.951 ng/ul

RT: 18.88 min Scan# 3545

Delta R.T. -0.00 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

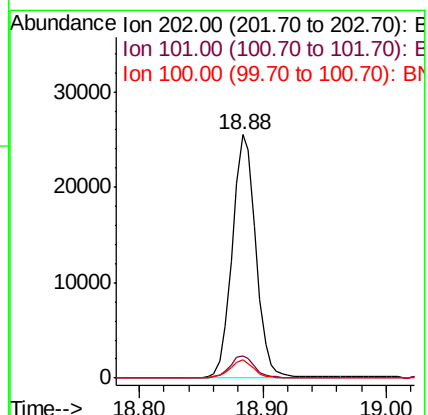
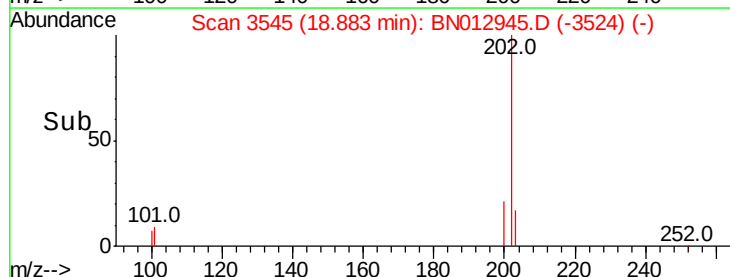
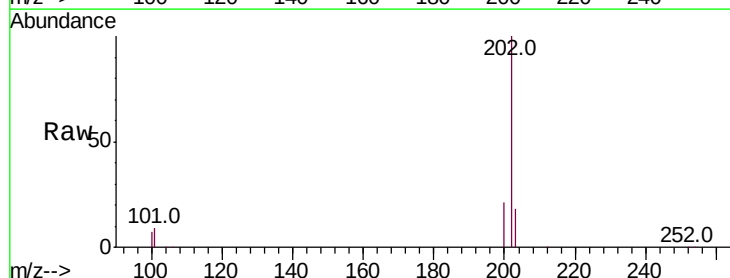
Tgt Ion:202 Resp: 33571

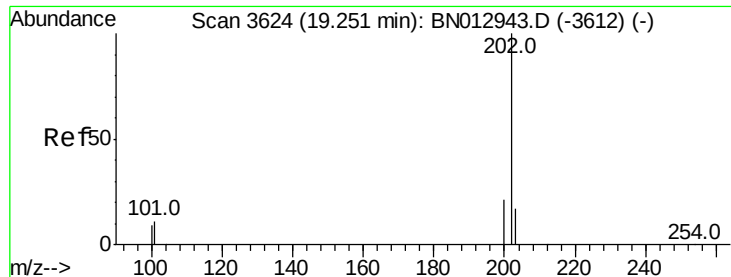
Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.6

100 7.4 0.0 28.7

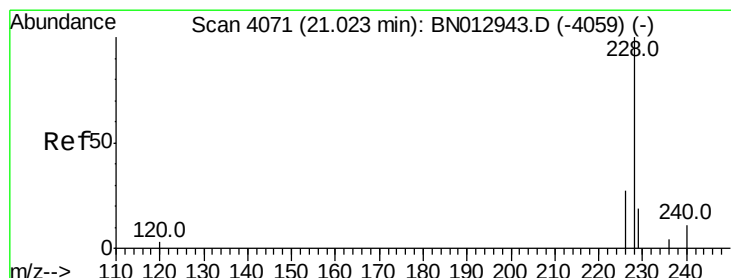
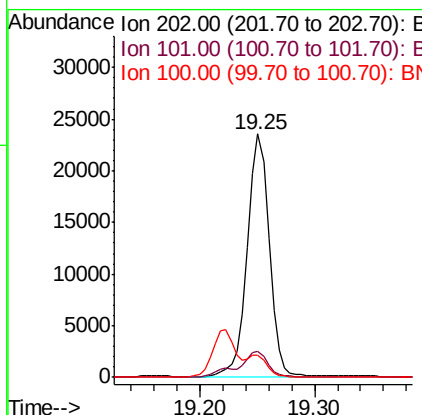
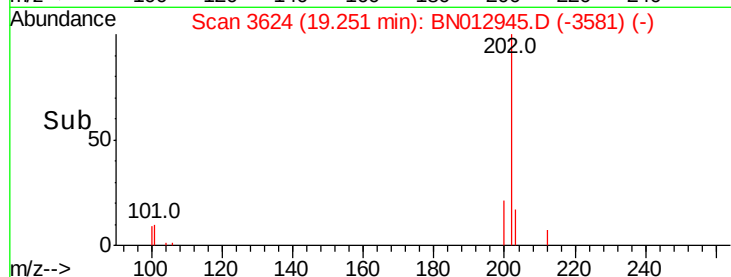
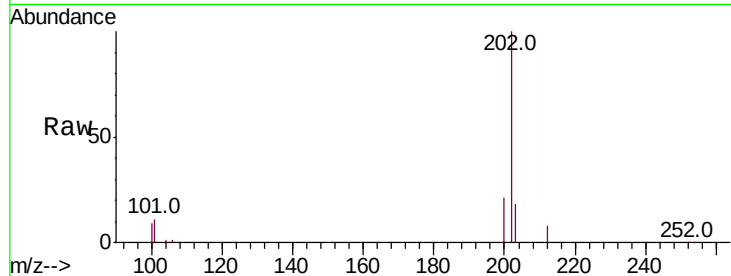




#17
Pvrene
Concen: 1.664 ng/ul
RT: 19.25 min Scan# 3624
Delta R.T. -0.00 min
Lab File: BN012945.D
Acq: 07 Dec 2020 18:42

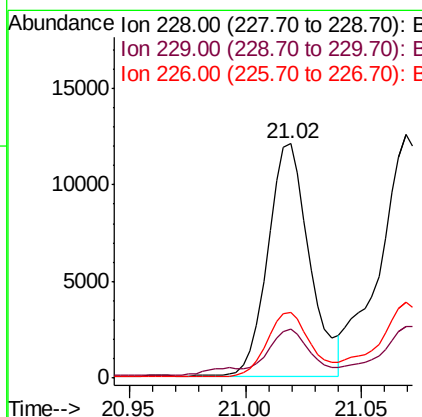
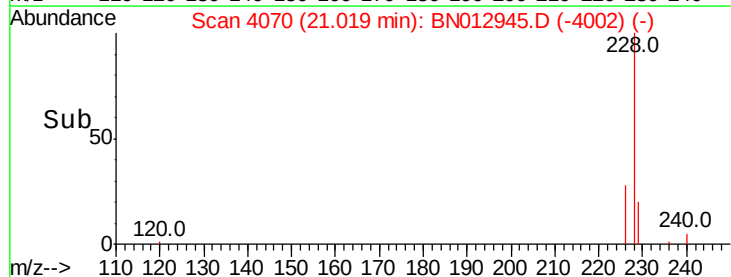
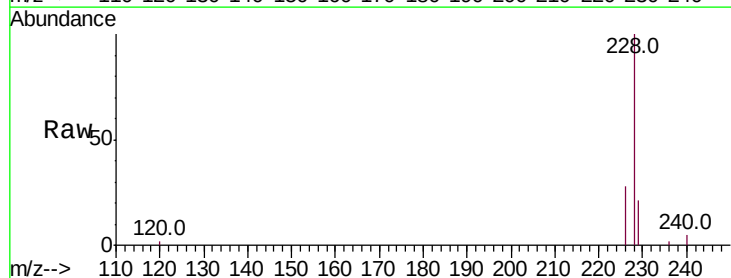
Instrument :
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C0B93

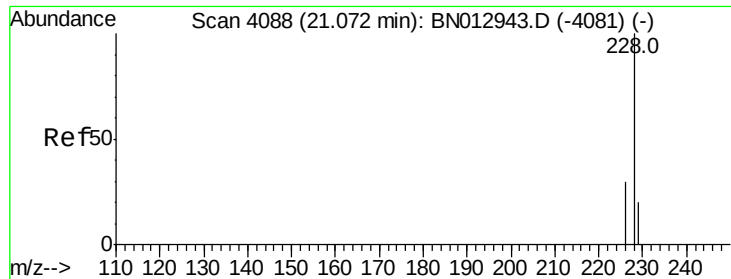
Tot Ion:202 Resp: 31285
Ion Ratio Lower Upper
202 100
101 10.9 9.1 13.7
100 9.2 7.5 11.3



#18
Benzo(a)anthracene
Concen: 0.909 ng/ul
RT: 21.02 min Scan# 4070
Delta R.T. -0.00 min
Lab File: BN012945.D
Acq: 07 Dec 2020 18:42

Tgt Ion:228 Resp: 14969
Ion Ratio Lower Upper
228 100
229 20.8 16.3 24.5
226 28.1 23.4 35.2





#19

Chrysene

Concen: 1.003 ng/ul

RT: 21.07 min Scan# 4087

Delta R.T. -0.00 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

Instrument :

BNA_N

ClientSampleId :

C0B93

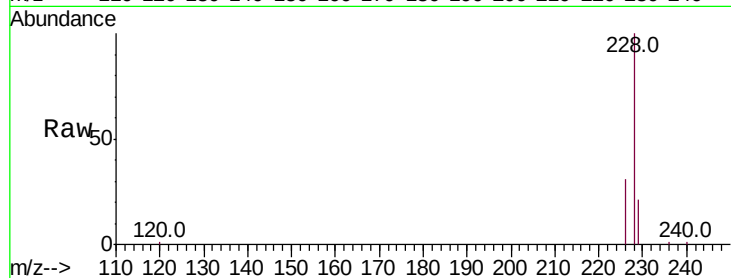
Tot Ion:228 Resp: 18244

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

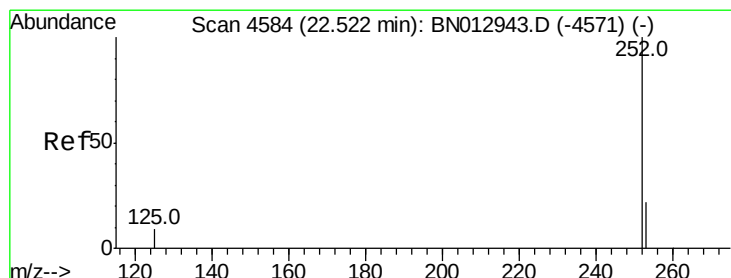
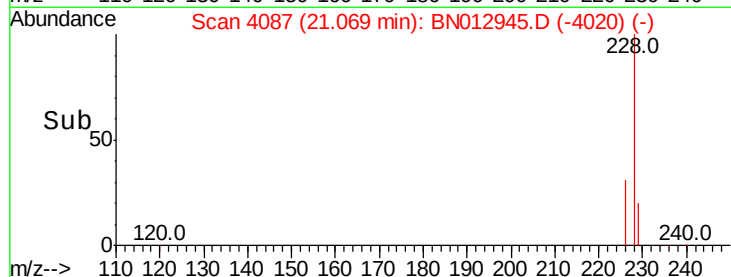
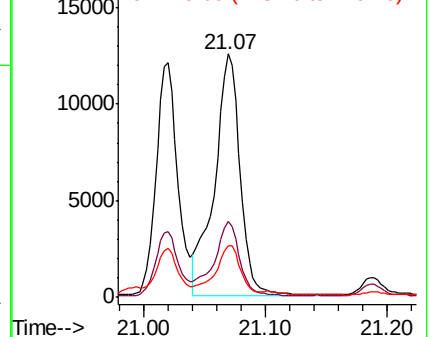
229 21.0 16.4 24.6



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: 1.931 ng/ul

RT: 22.52 min Scan# 4583

Delta R.T. -0.00 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

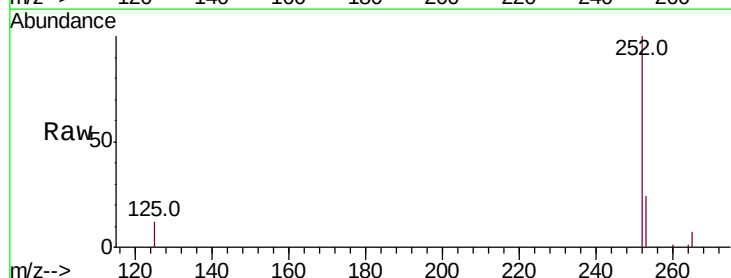
Tgt Ion:252 Resp: 35930

Ion Ratio Lower Upper

252 100

253 24.0 0.0 59.6

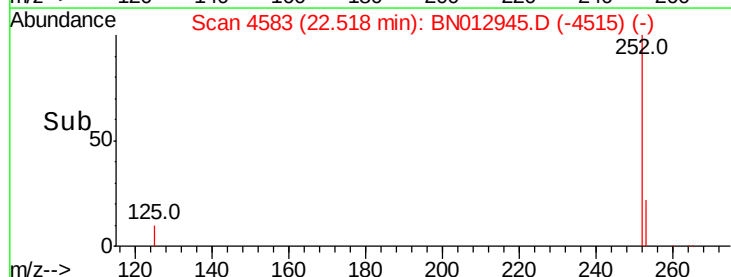
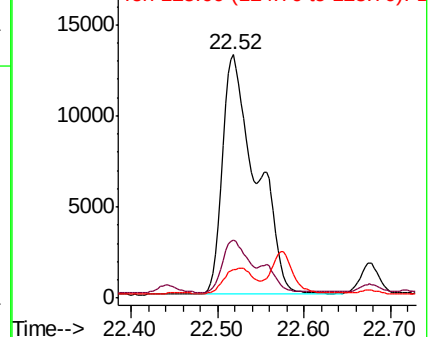
125 11.7 0.0 26.0

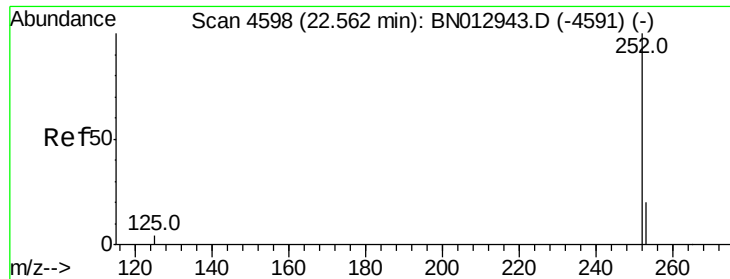


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.747 ng/ul

RT: 22.52 min Scan# 4583

Delta R.T. -0.04 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

Instrument :

BNA_N

ClientSampleId :

C0B93

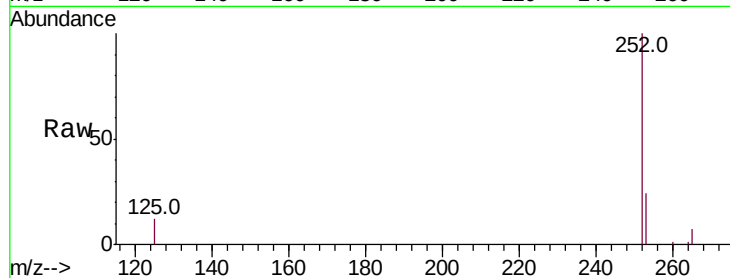
Tot Ion:252 Resp: 35930

Ion Ratio Lower Upper

252 100

253 24.0 23.4 35.2

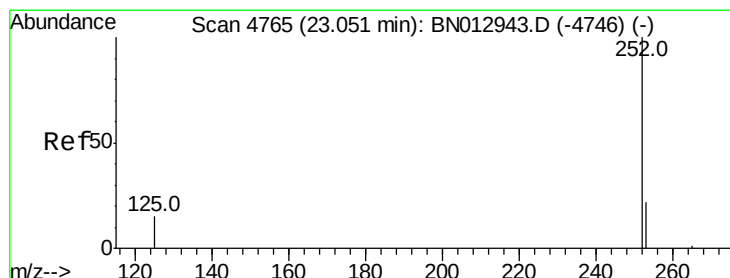
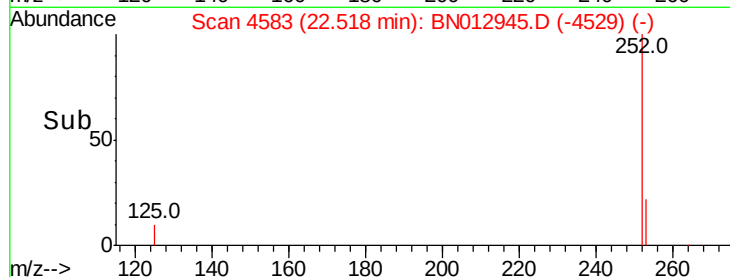
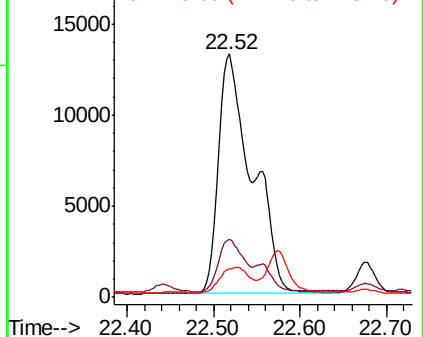
125 11.7 11.1 16.7



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: 0.953 ng/ul

RT: 23.04 min Scan# 4763

Delta R.T. -0.00 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

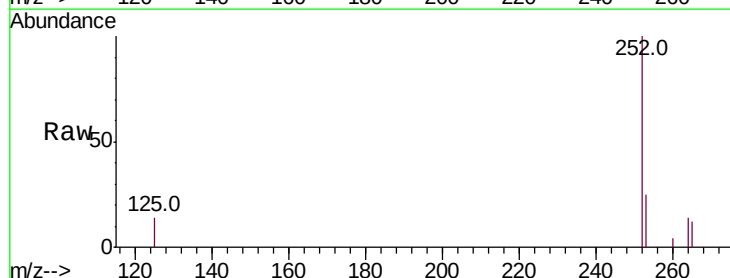
Tgt Ion:252 Resp: 16462

Ion Ratio Lower Upper

252 100

253 25.1 26.5 39.7#

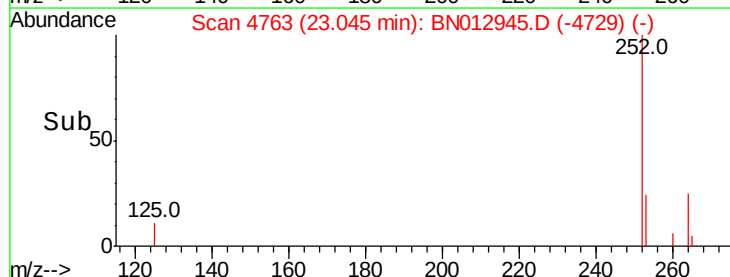
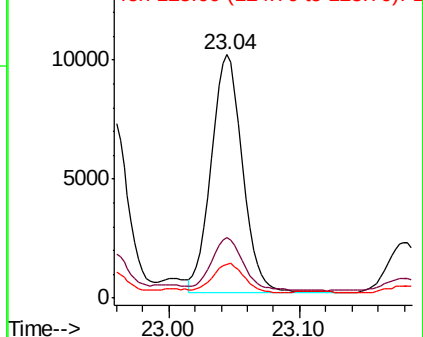
125 14.1 14.2 21.2#

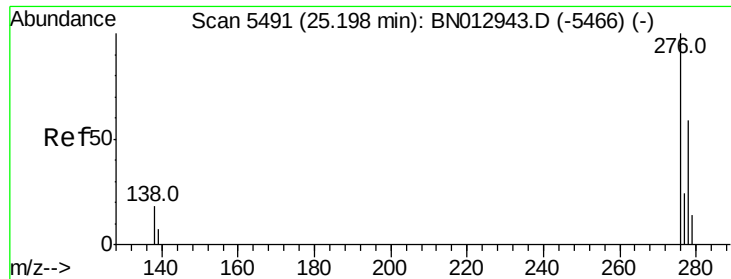


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.504 ng/ul

RT: 25.19 min Scan# 5488

Delta R.T. -0.00 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

Instrument :

BNA_N

ClientSampleId :

C0B93

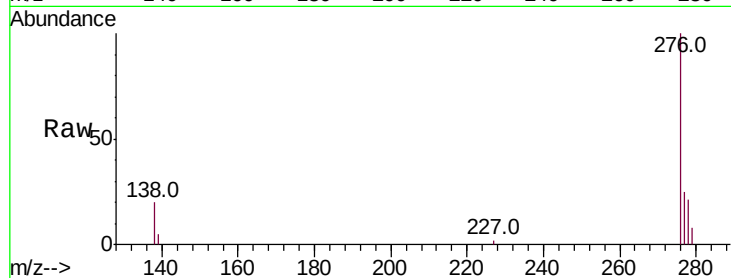
Tot Ion:276 Resp: 11423

Ion Ratio Lower Upper

276 100

138 19.2 16.2 24.2

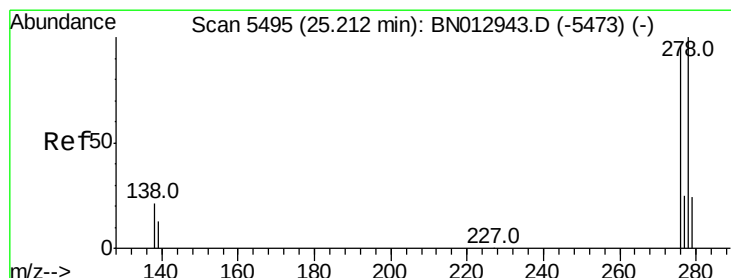
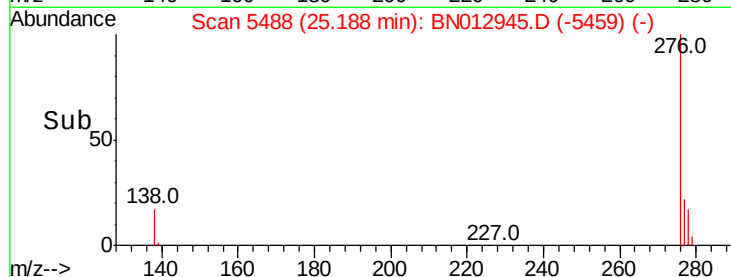
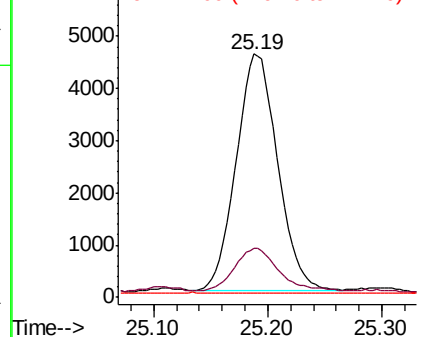
227 0.0 0.0 0.0#



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: 0.154 ng/ul

RT: 25.20 min Scan# 5491

Delta R.T. -0.01 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

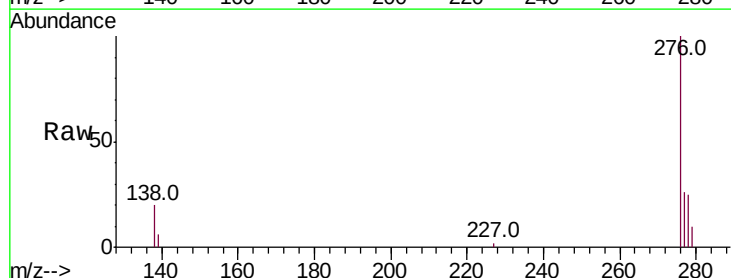
Tgt Ion:278 Resp: 2764

Ion Ratio Lower Upper

278 100

139 23.2 14.5 21.7#

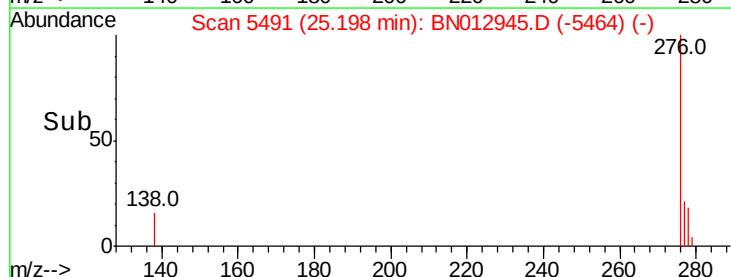
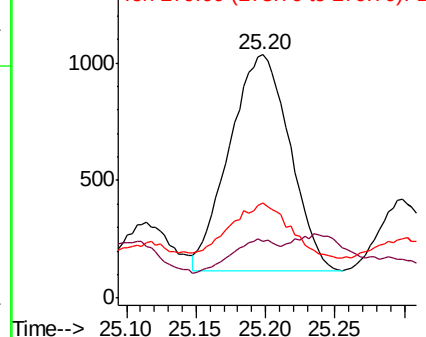
279 38.8 26.3 39.5

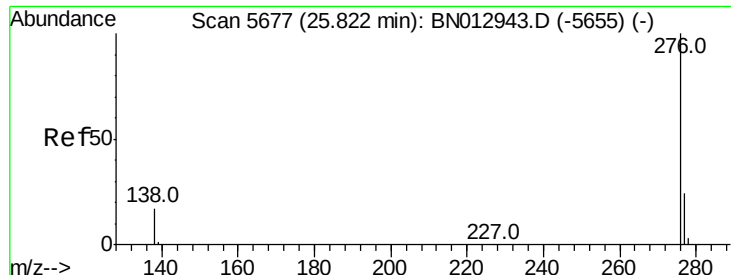


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.499 ng/ul

RT: 25.82 min Scan# 5675

Delta R.T. -0.01 min

Lab File: BN012945.D

Acq: 07 Dec 2020 18:42

Instrument :

BNA_N

ClientSampleId :

C0B93

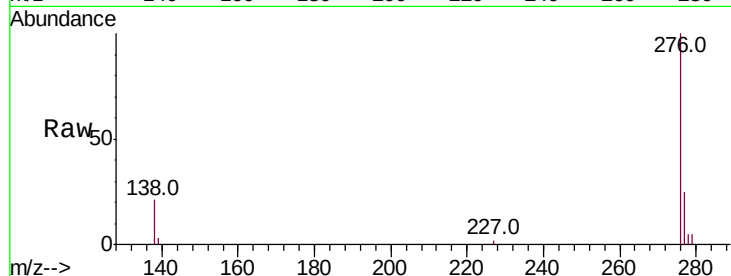
Tot Ion:276 Resp: 10249

Ion Ratio Lower Upper

276 100

138 20.8 16.3 24.5

277 25.1 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

