

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012951.D
 Acq On : 07 Dec 2020 22:19
 Operator : CG/JU
 Sample : L4859-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BD0

Quant Time: Dec 08 00:17:17 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	1008	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	4199	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	2318	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4832	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	4210	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	4051	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	853	0.14	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	1973	0.15	ng/ul	0.00

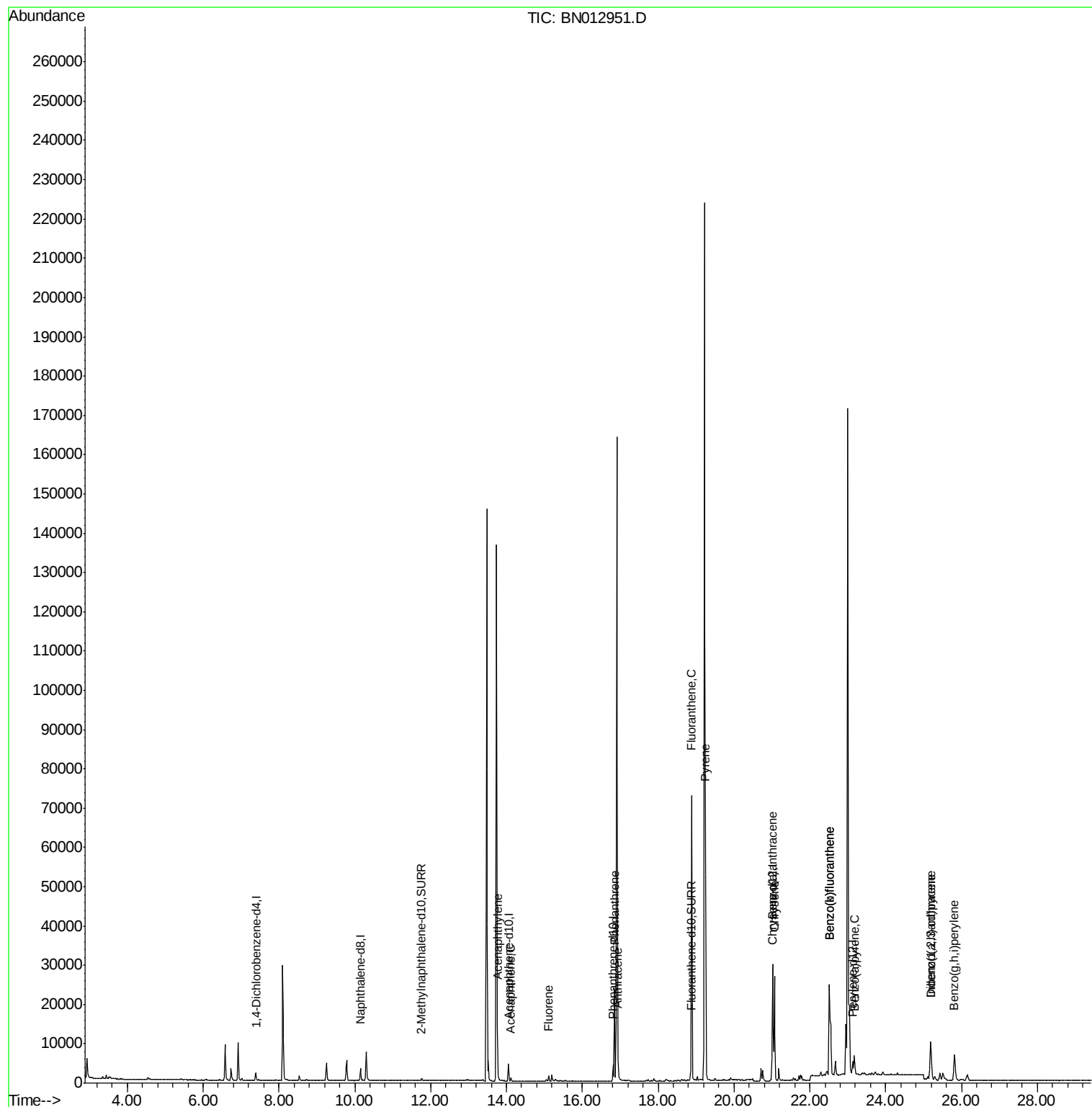
Target Compounds				Ovalue		
7) Acenaphthylene	13.77	152	1740	0.159	ng/ul	99
8) Acenaphthene	14.11	153	481	0.053	ng/ul	95
9) Fluorene	15.11	166	815	0.079	ng/ul#	96
12) Phenanthrene	16.85	178	23423	1.446	ng/ul	97
13) Anthracene	16.94	178	3538	0.257	ng/ul	99
15) Fluoranthene	18.88	202	60580	3.147	ng/ul	98
17) Pyrene	19.25	202	51105	2.570	ng/ul	100
18) Benzo(a)anthracene	21.02	228	23798	1.366	ng/ul	99
19) Chrysene	21.07	228	25362	1.318	ng/ul	97
21) Benzo(b)fluoranthene	22.51	252	48137	2.569	ng/ul	91
22) Benzo(k)fluoranthene	22.51	252	48127	2.323	ng/ul	91
23) Benzo(a)pyrene	23.18	252	3466	0.199	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.19	276	14990	0.656	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.19	278	3452	0.191	ng/ul#	92
26) Benzo(g,h,i)perylene	25.81	276	12881	0.623	ng/ul	98

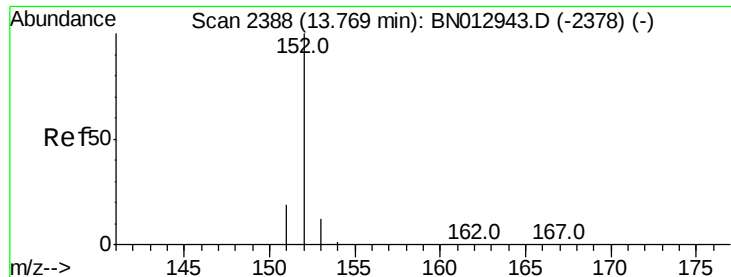
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.159 ng/ul

RT: 13.77 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BN012951.D

Acq: 07 Dec 2020 22:19

Instrument :

BNA_N

ClientSampleId :

C0BD0

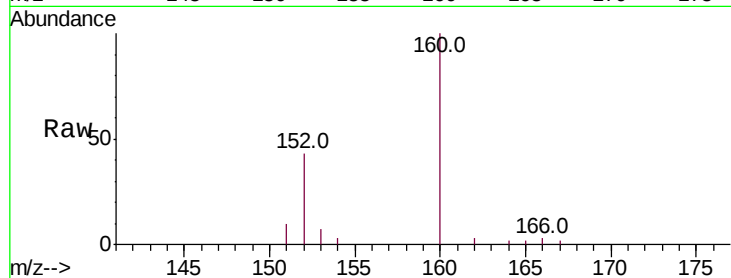
Tot Ion:152 Resp: 1740

Ion Ratio Lower Upper

152 100

151 23.2 18.2 27.4

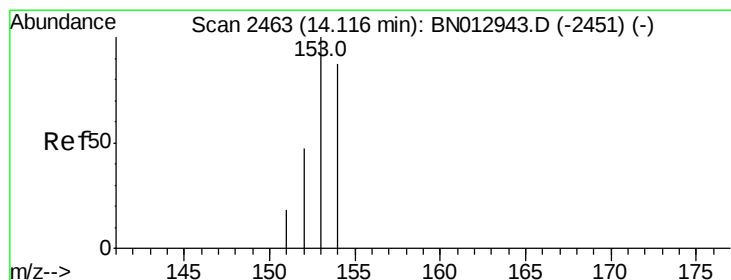
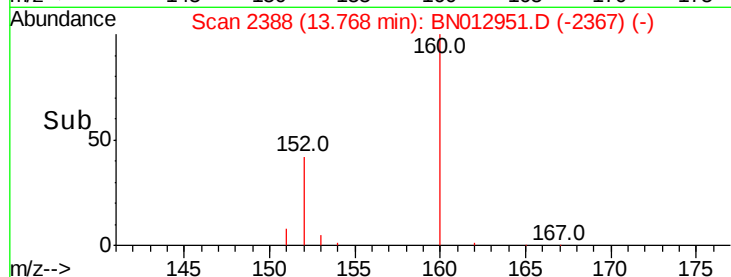
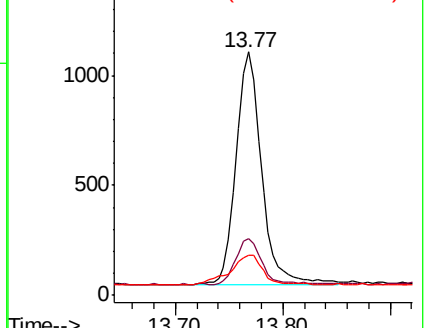
153 16.7 13.1 19.7



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



#8

Acenaphthene

Concen: 0.053 ng/ul

RT: 14.11 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BN012951.D

Acq: 07 Dec 2020 22:19

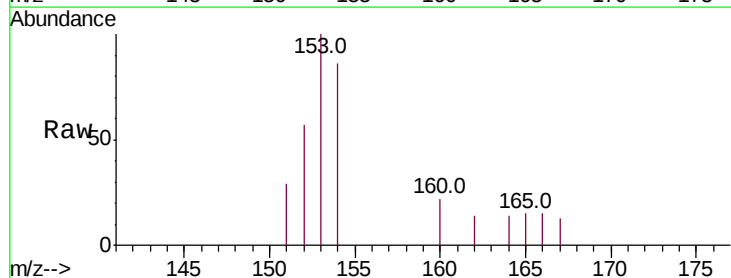
Tgt Ion:153 Resp: 481

Ion Ratio Lower Upper

153 100

152 57.1 40.7 61.1

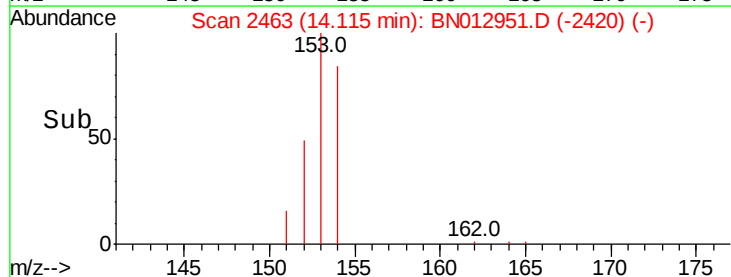
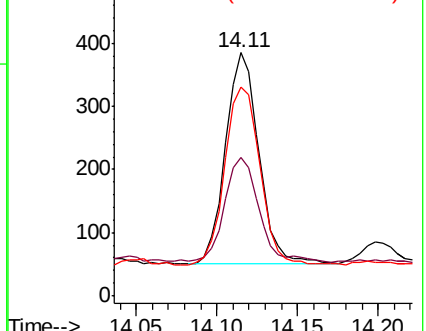
154 86.0 70.8 106.2

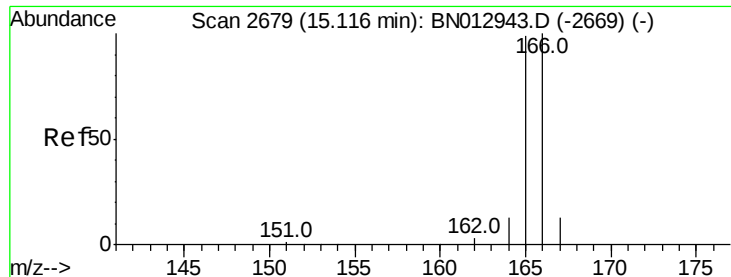


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

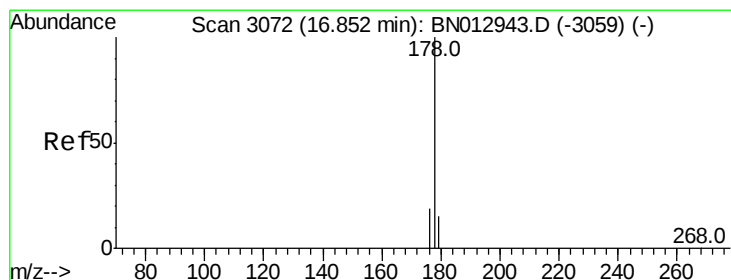
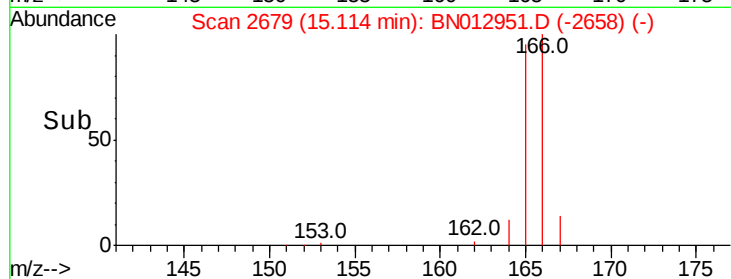
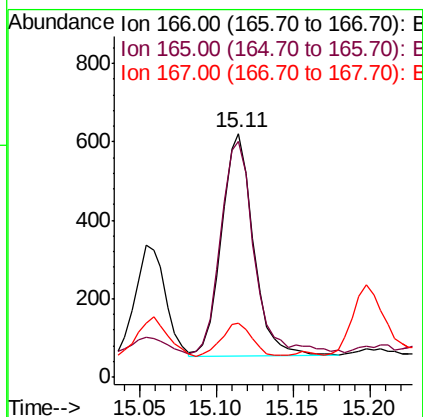
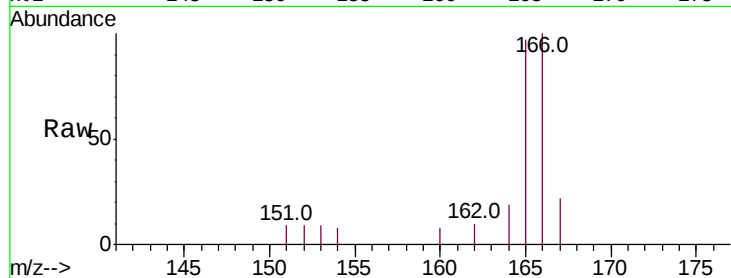




#9
Fluorene
 Concen: 0.079 ng/ul
 RT: 15.11 min Scan# 2679
 Delta R.T. -0.00 min
 Lab File: BN012951.D
 Acq: 07 Dec 2020 22:19

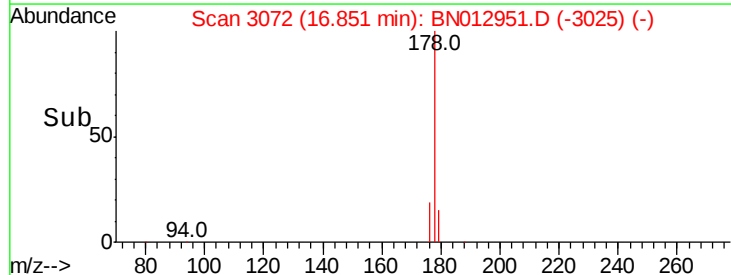
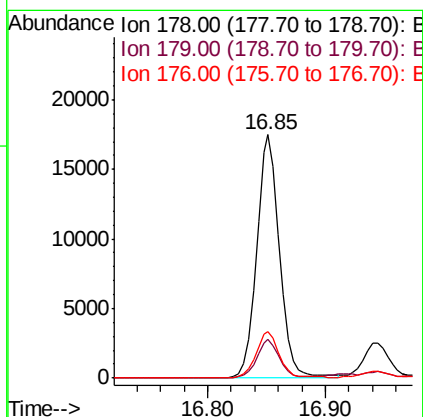
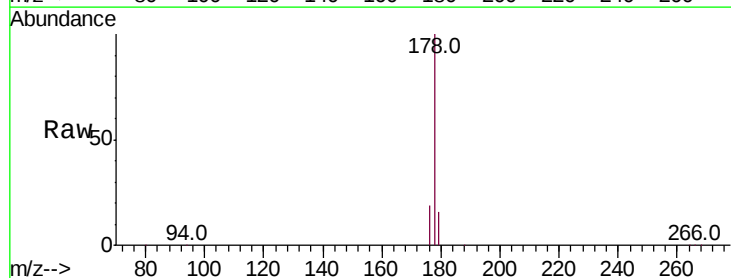
Instrument :
 BNA_N
 ClientSampleId :
 C0BD0

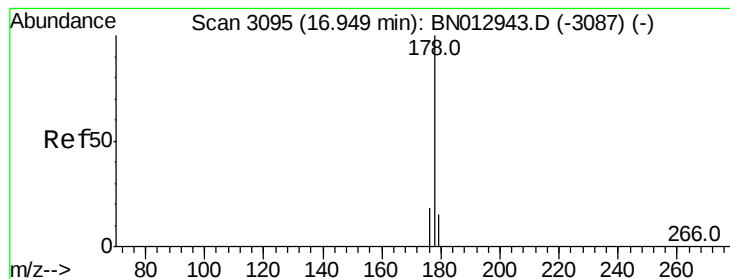
Tot Ion:166 Resp: 815
 Ion Ratio Lower Upper
 166 100
 165 97.1 79.8 119.8
 167 22.1 13.8 20.8#



#12
Phenanthrene
 Concen: 1.446 ng/ul
 RT: 16.85 min Scan# 3072
 Delta R.T. -0.00 min
 Lab File: BN012951.D
 Acq: 07 Dec 2020 22:19

Tgt Ion:178 Resp: 23423
 Ion Ratio Lower Upper
 178 100
 179 15.8 13.6 20.4
 176 19.3 16.4 24.6





#13

Anthracene

Concen: 0.257 ng/ul

RT: 16.94 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BN012951.D

Acq: 07 Dec 2020 22:19

Instrument :

BNA_N

ClientSampleId :

C0BD0

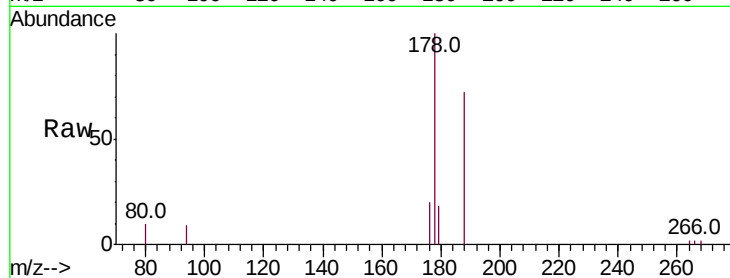
Tot Ion:178 Resp: 3538

Ion Ratio Lower Upper

178 100

179 18.1 14.6 21.8

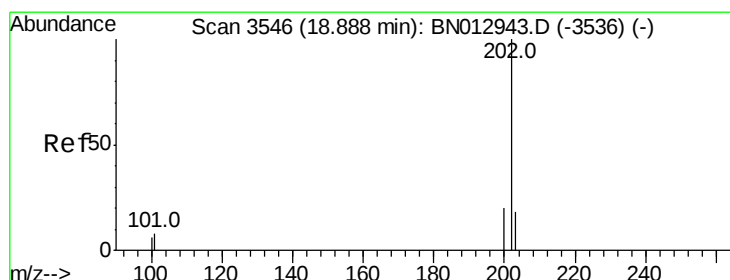
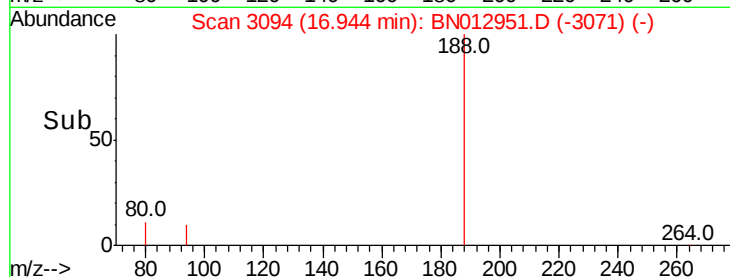
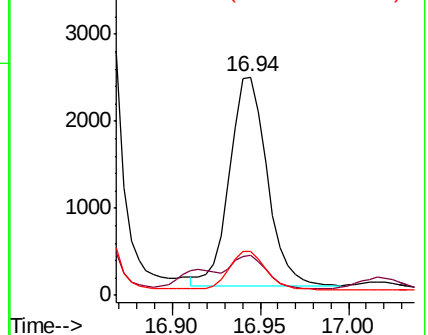
176 20.3 17.1 25.7



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: 3.147 ng/ul

RT: 18.88 min Scan# 3545

Delta R.T. -0.00 min

Lab File: BN012951.D

Acq: 07 Dec 2020 22:19

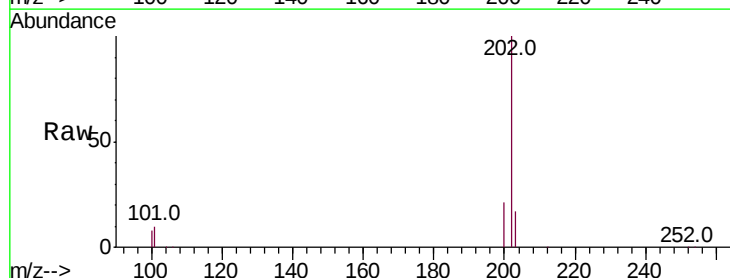
Tgt Ion:202 Resp: 60580

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.6

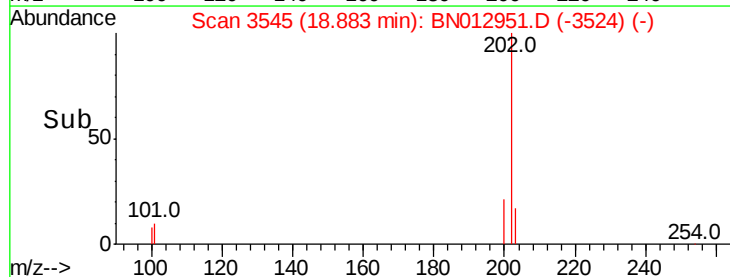
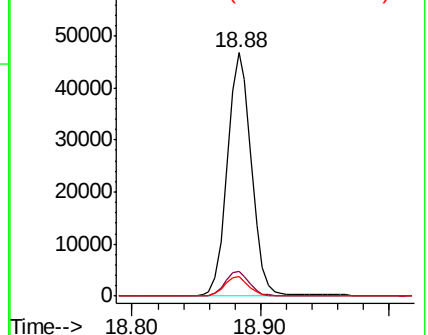
100 7.9 0.0 28.7

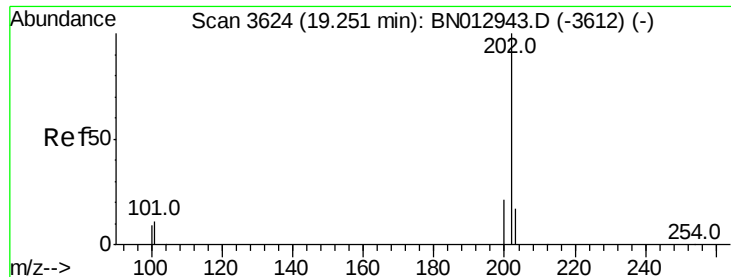


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

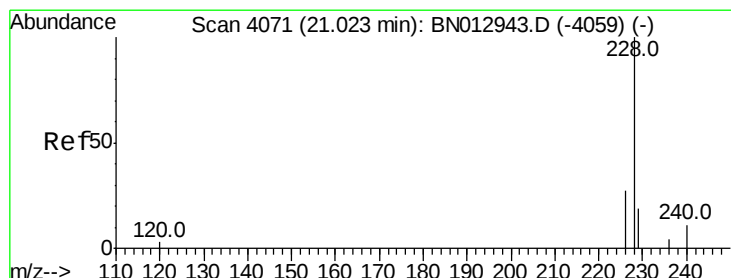
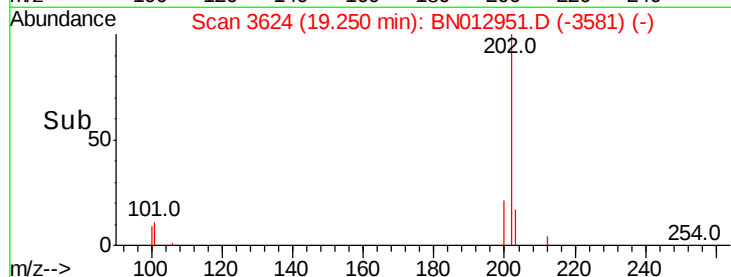
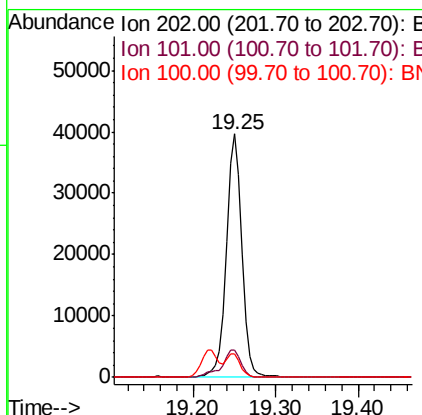
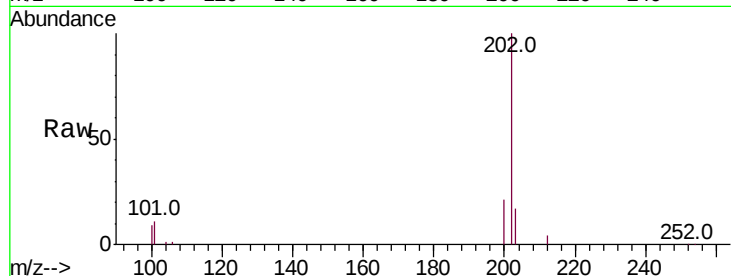




#17
Pvrene
Concen: 2.570 ng/ul
RT: 19.25 min Scan# 3624
Delta R.T. -0.00 min
Lab File: BN012951.D
Acq: 07 Dec 2020 22:19

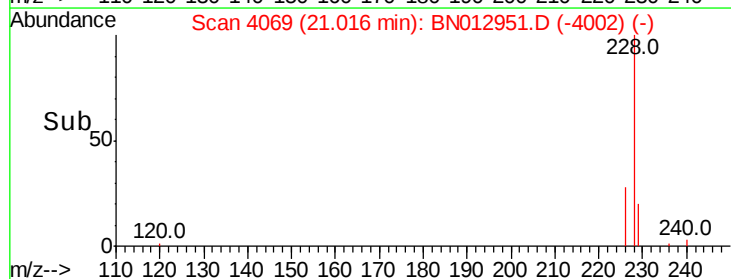
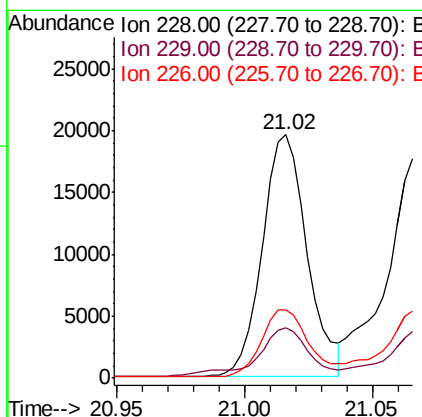
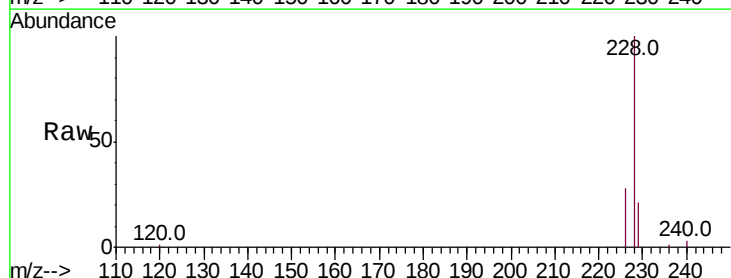
Instrument :
BNA_N
ClientSampleId :
C0BD0

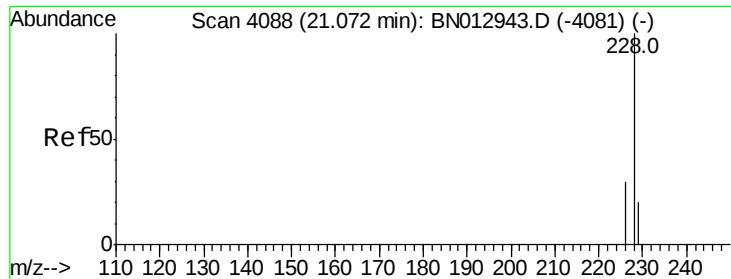
Tot Ion:202 Resp: 51105
Ion Ratio Lower Upper
202 100
101 11.3 9.1 13.7
100 9.5 7.5 11.3



#18
Benzo(a)anthracene
Concen: 1.366 ng/ul
RT: 21.02 min Scan# 4069
Delta R.T. -0.00 min
Lab File: BN012951.D
Acq: 07 Dec 2020 22:19

Tgt Ion:228 Resp: 23798
Ion Ratio Lower Upper
228 100
229 20.6 16.3 24.5
226 28.1 23.4 35.2





#19

Chrysene

Concen: 1.318 ng/ul

RT: 21.07 min Scan# 4087

Delta R.T. -0.00 min

Lab File: BN012951.D

Acq: 07 Dec 2020 22:19

Instrument :

BNA_N

ClientSampleId :

C0BD0

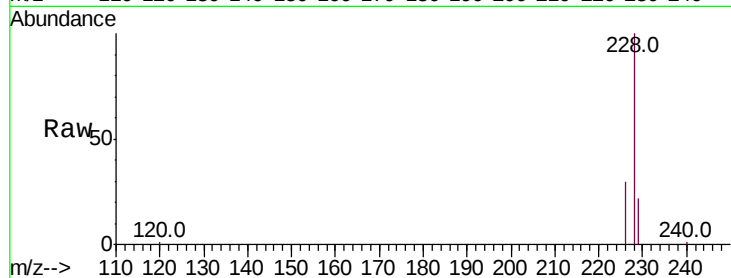
Tot Ion:228 Resp: 25362

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

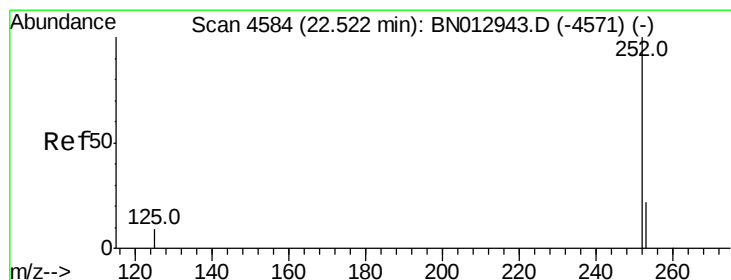
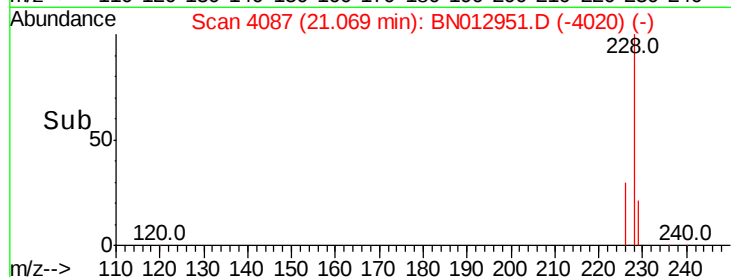
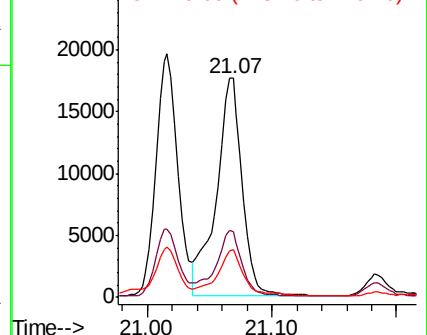
229 21.8 16.4 24.6



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: 2.569 ng/ul

RT: 22.51 min Scan# 4582

Delta R.T. -0.00 min

Lab File: BN012951.D

Acq: 07 Dec 2020 22:19

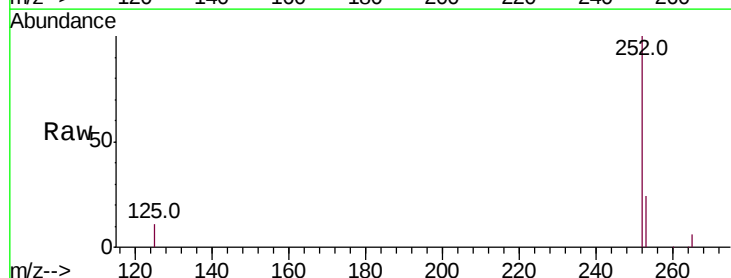
Tgt Ion:252 Resp: 48137

Ion Ratio Lower Upper

252 100

253 23.6 0.0 59.6

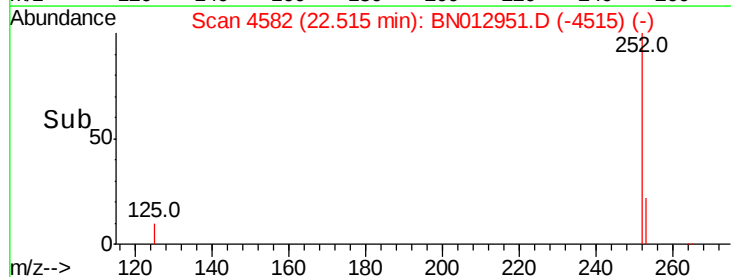
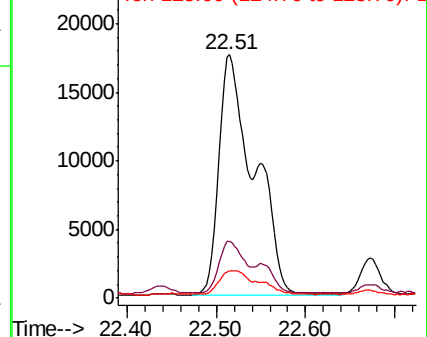
125 11.3 0.0 26.0

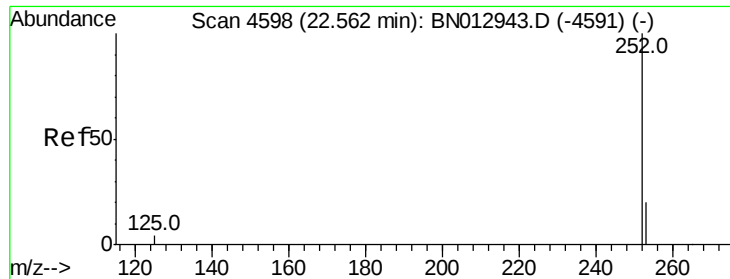


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.323 ng/ul

RT: 22.51 min Scan# 4582

Delta R.T. -0.04 min

Lab File: BN012951.D

Acq: 07 Dec 2020 22:19

Instrument :

BNA_N

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C0BD0

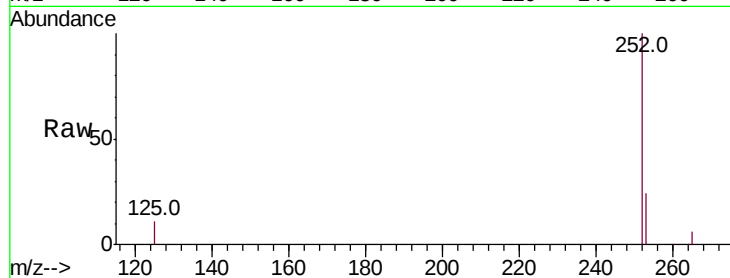
Tot Ion:252 Resp: 48127

Ion Ratio Lower Upper

252 100

253 23.6 23.4 35.2

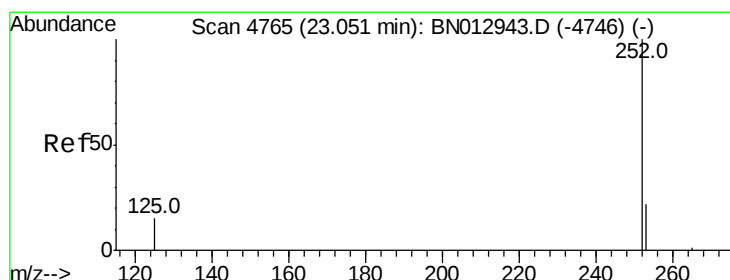
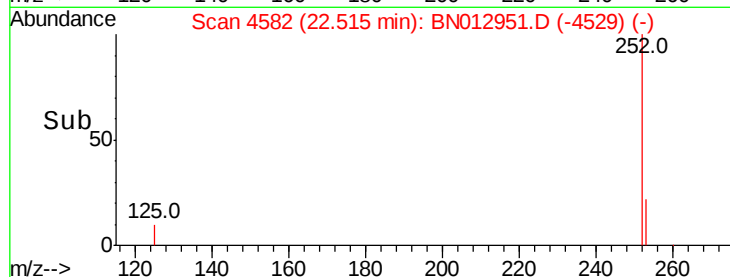
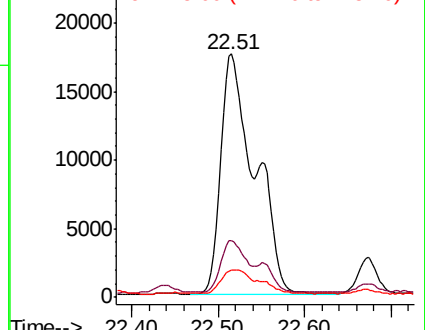
125 11.3 11.1 16.7



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: 0.199 ng/ul

RT: 23.18 min Scan# 4808

Delta R.T. 0.13 min

Lab File: BN012951.D

Acq: 07 Dec 2020 22:19

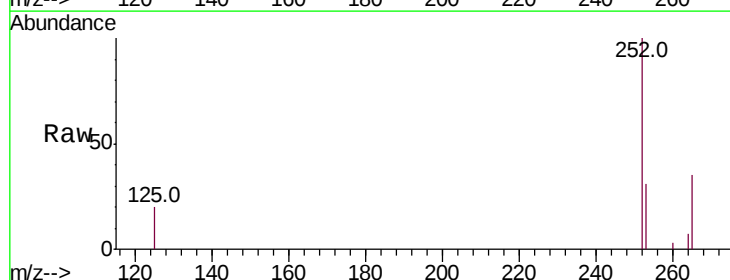
Tgt Ion:252 Resp: 3466

Ion Ratio Lower Upper

252 100

253 31.1 26.5 39.7

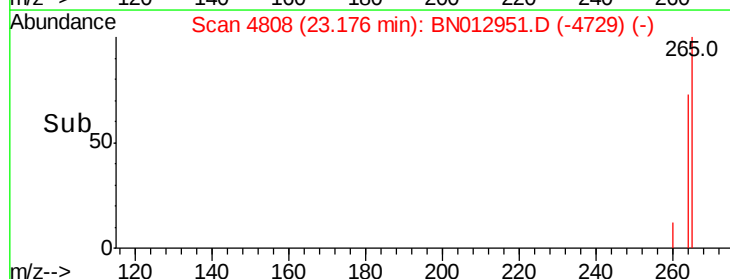
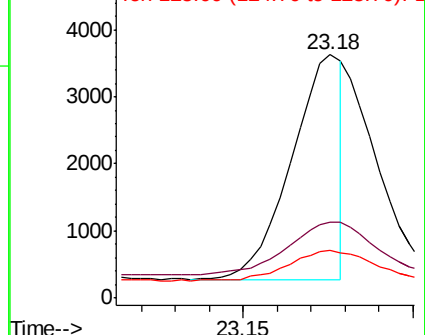
125 19.6 14.2 21.2

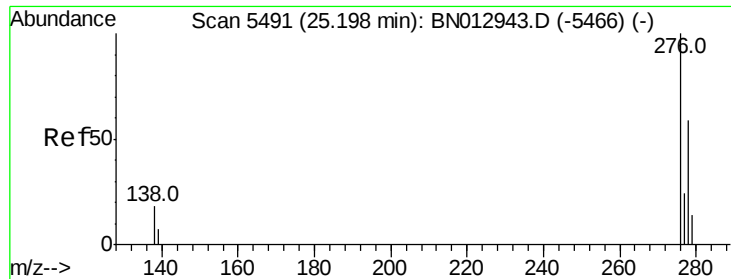


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



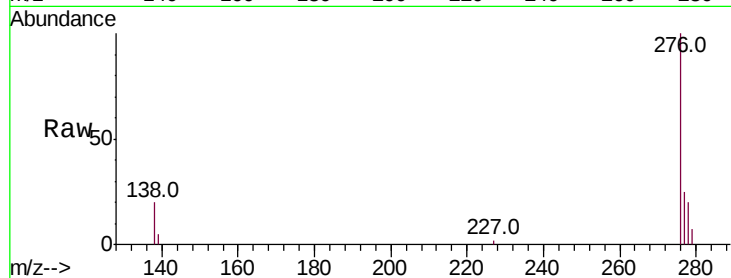


#24

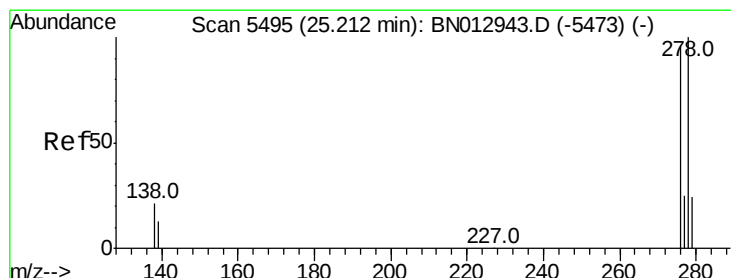
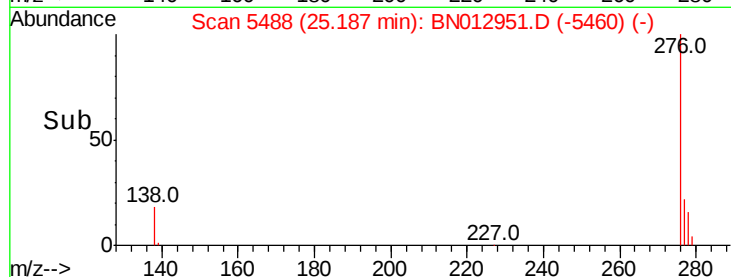
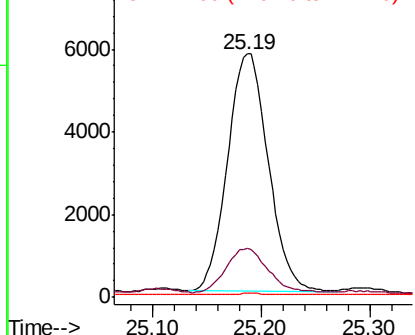
Indeno(1,2,3-cd)pyrene
Concen: 0.656 ng/u1
RT: 25.19 min Scan# 5488
Delta R.T. -0.00 min
Lab File: BN012951.D
Acq: 07 Dec 2020 22:19

Instrument :
BNA_N
ClientSampleId :
C0BD0

Tot Ion:276 Resp: 14990
Ion Ratio Lower Upper
276 100
138 19.3 16.2 24.2
227 0.2 0.0 0.0#



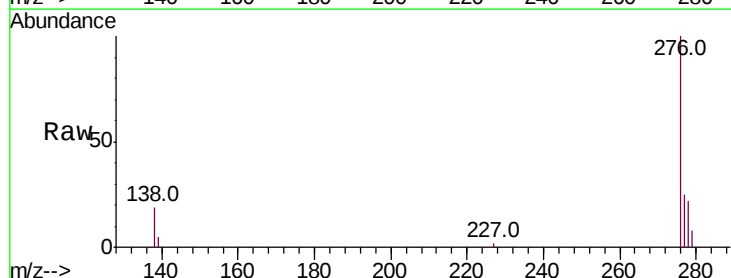
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



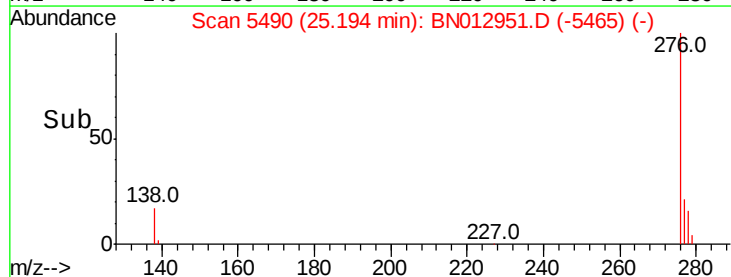
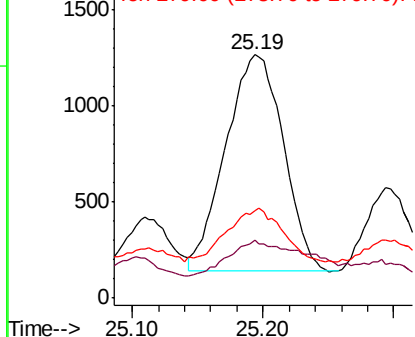
#25

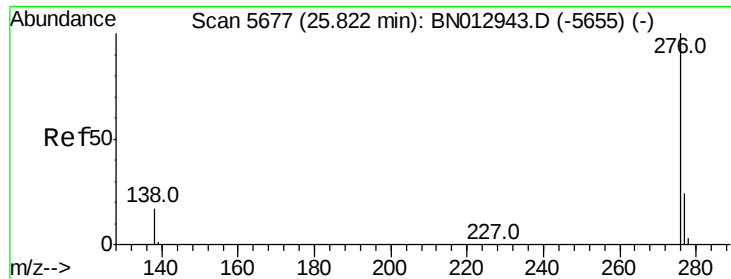
Dibenzo(a,h)anthracene
Concen: 0.191 ng/u1
RT: 25.19 min Scan# 5490
Delta R.T. -0.01 min
Lab File: BN012951.D
Acq: 07 Dec 2020 22:19

Tgt Ion:278 Resp: 3452
Ion Ratio Lower Upper
278 100
139 23.8 14.5 21.7#
279 35.7 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: 0.623 ng/ul

RT: 25.81 min Scan# 5675

Delta R.T. -0.01 min

Lab File: BN012951.D

Acq: 07 Dec 2020 22:19

Instrument :

BNA_N

ClientSampleId :

C0BD0

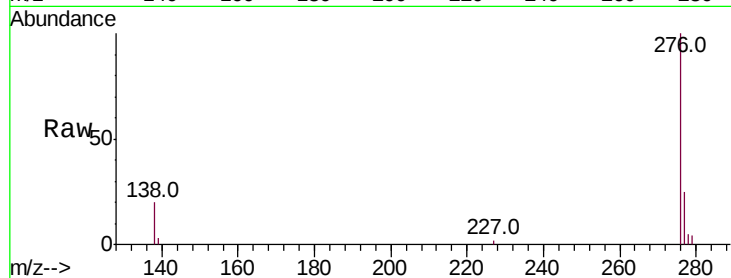
Tot Ion:276 Resp: 12881

Ion Ratio Lower Upper

276 100

138 20.5 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

