

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120620\
 Data File : BN012919.D
 Acq On : 06 Dec 2020 16:05
 Operator : CG/JU
 Sample : L4859-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B93

Quant Time: Dec 07 03:08:53 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 : Mon Dec 07 03:06:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1768	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	7376	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.06	164	4260	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	9333	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	7723	0.40	ng/ul	0.00
20) Perylene-d12	23.14	264	7175	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	1624	0.15	ng/ul	-0.02
14) Fluoranthene-d10	18.86	212	3900	0.15	ng/ul	0.00

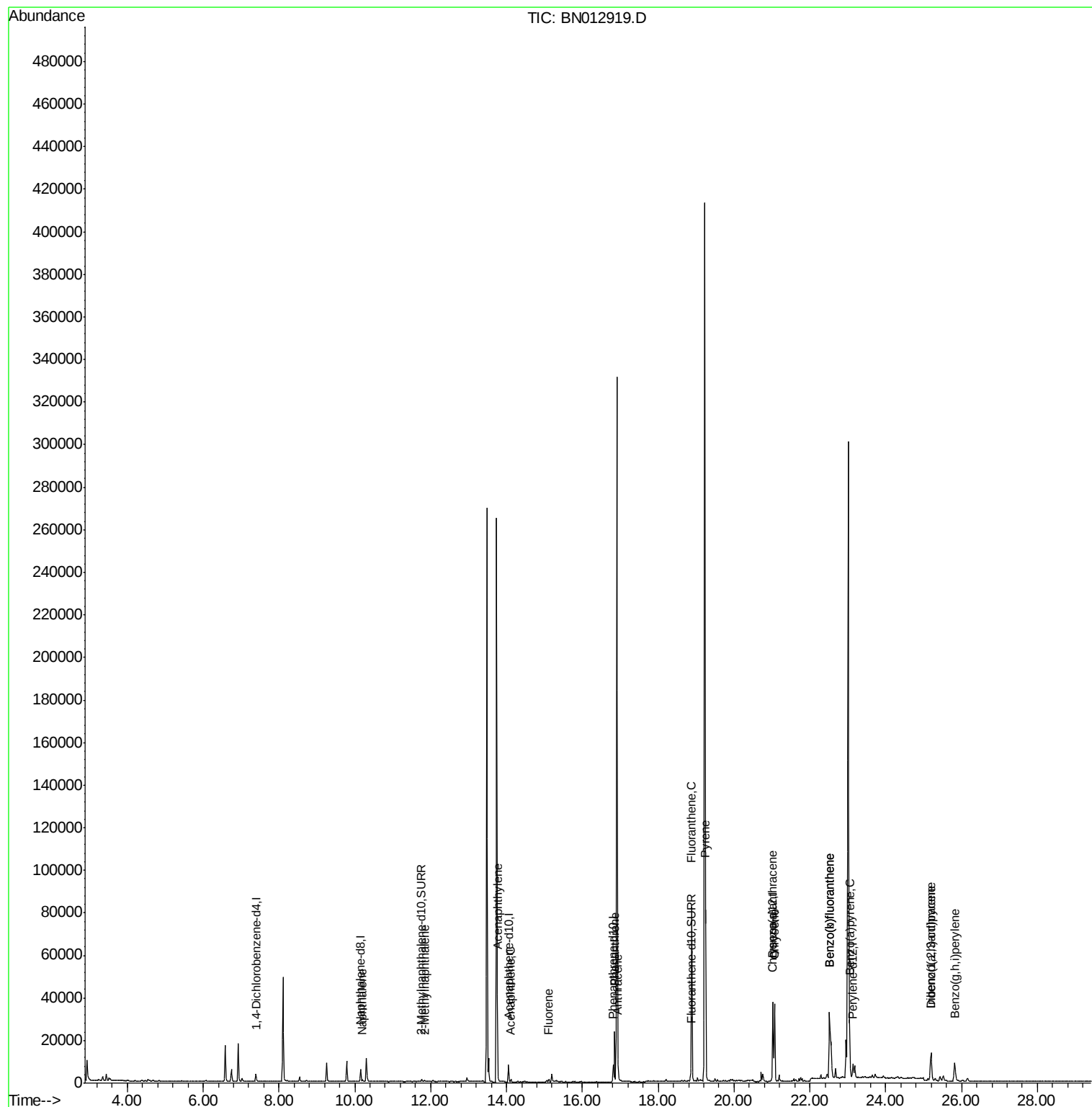
Target Compounds						Ovalue
3) Naphthalene	10.20	128	1042	0.049	ng/ul	96
5) 2-Methylnaphthalene	11.84	142	652	0.047	ng/ul	99
7) Acenaphthylene	13.77	152	1370	0.068	ng/ul	96
8) Acenaphthene	14.12	153	635	0.038	ng/ul	95
9) Fluorene	15.12	166	769	0.041	ng/ul#	96
12) Phenanthrene	16.85	178	24014	0.767	ng/ul	97
13) Anthracene	16.95	178	3823	0.144	ng/ul	98
15) Fluoranthene	18.88	202	68657	1.846	ng/ul	99
17) Pyrene	19.25	202	60874	1.669	ng/ul	98
18) Benzo(a)anthracene	21.02	228	29483	0.923	ng/ul	98
19) Chrysene	21.07	228	34843	0.987	ng/ul	99
21) Benzo(b)fluoranthene	22.52	252	64730	1.950	ng/ul	92
22) Benzo(k)fluoranthene	22.52	252	64730	1.764	ng/ul	92
23) Benzo(a)pyrene	23.04	252	28555	0.927	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.19	276	19181	0.474	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.20	278	4670	0.146	ng/ul#	95
26) Benzo(a,h,i)perylene	25.82	276	17081	0.467	ng/ul	97

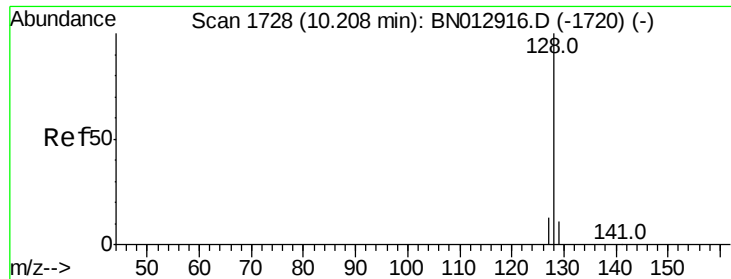
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.049 ng/ul

RT: 10.20 min Scan# 1727

Delta R.T. -0.01 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

Instrument :

BNA_N

ClientSampleId :

C0B93

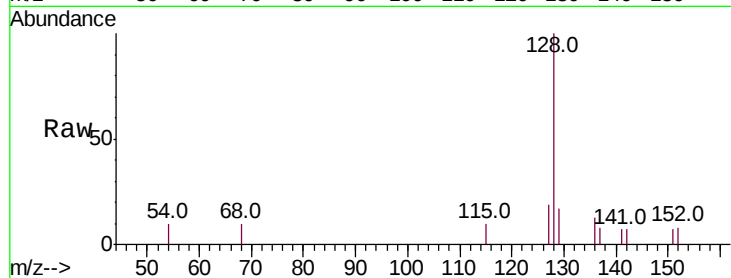
Tot Ion:128 Resp: 1042

Ion Ratio Lower Upper

128 100

129 17.4 12.3 18.5

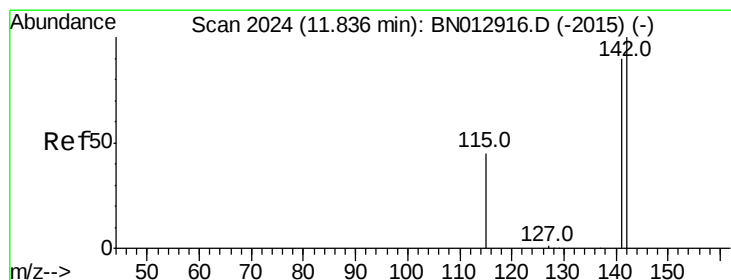
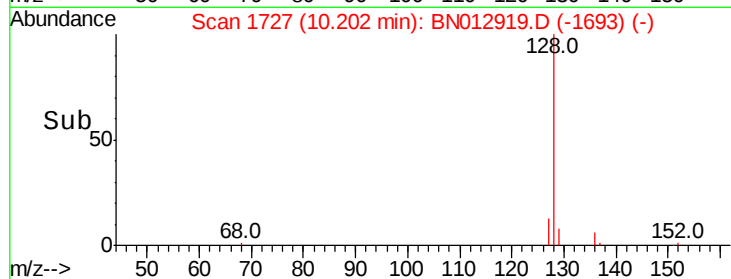
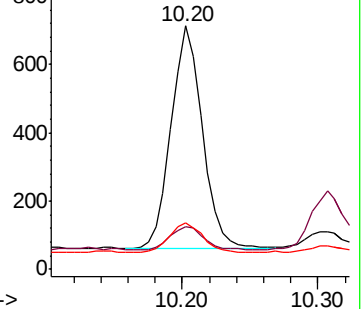
127 19.1 14.2 21.4



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. -0.01 min

Lab File: BN012919.D

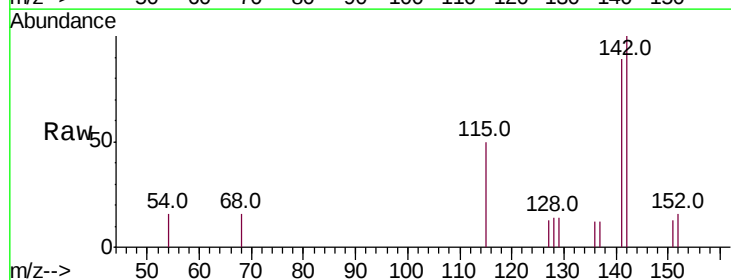
Acq: 06 Dec 2020 16:05

Tgt Ion:142 Resp: 652

Ion Ratio Lower Upper

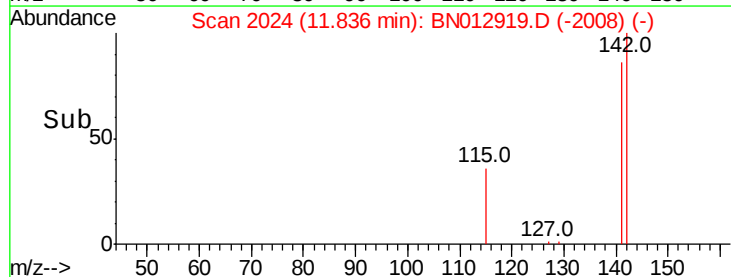
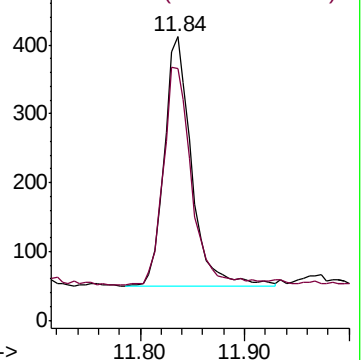
142 100

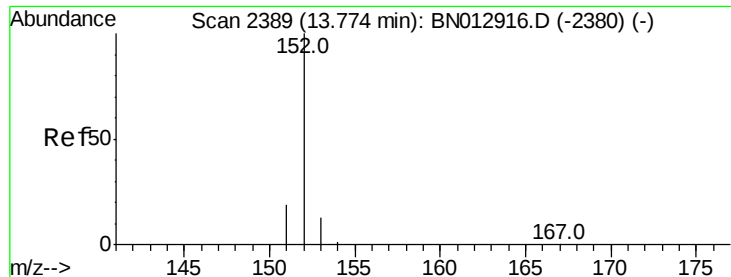
141 90.8 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.068 ng/ul

RT: 13.77 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

Instrument :

BNA_N

ClientSampleId :

C0B93

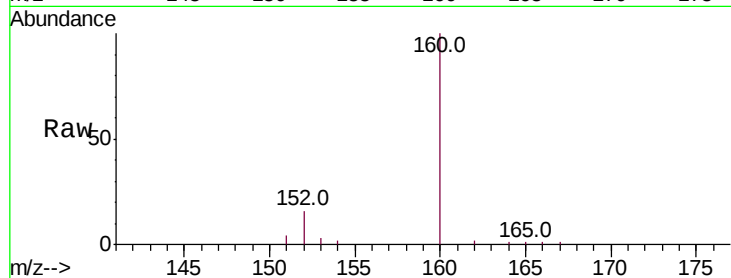
Tot Ion:152 Resp: 1370

Ion Ratio Lower Upper

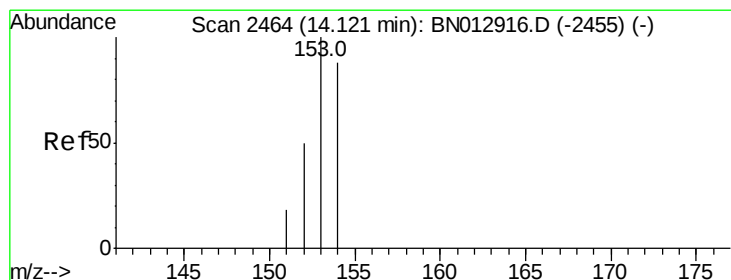
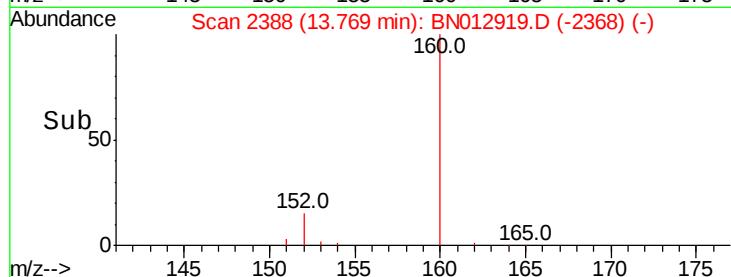
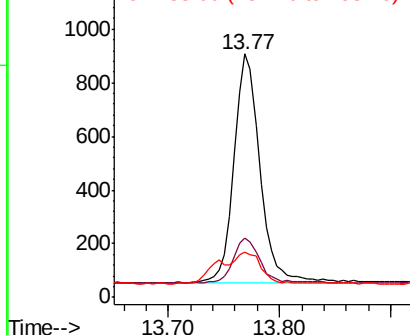
152 100

151 24.2 18.2 27.4

153 18.7 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: 0.038 ng/ul

RT: 14.12 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

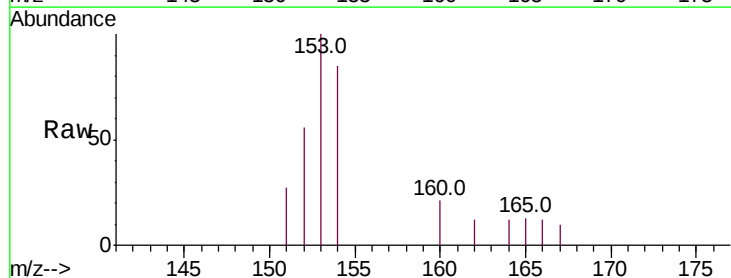
Tgt Ion:153 Resp: 635

Ion Ratio Lower Upper

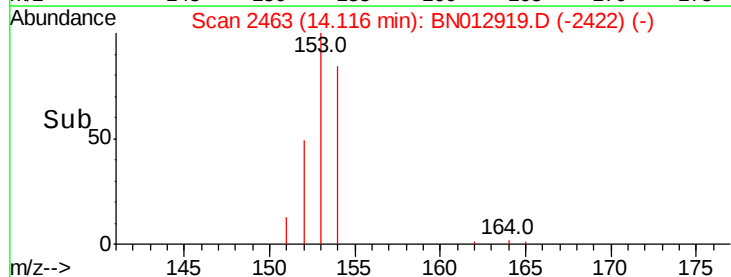
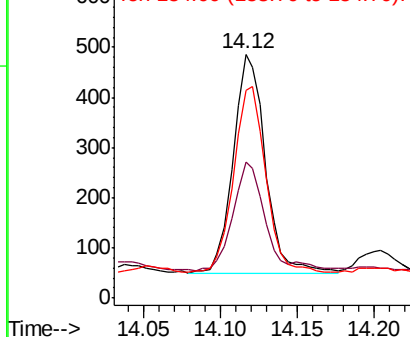
153 100

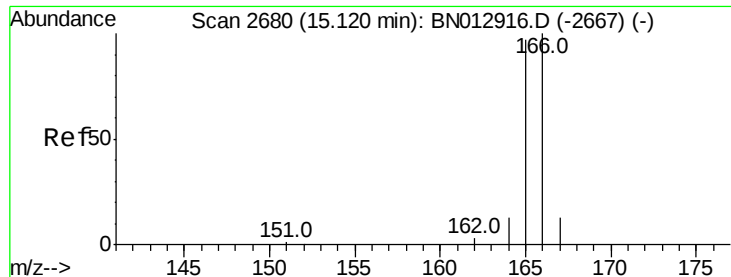
152 55.6 40.7 61.1

154 85.2 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





#9

Fluorene

Concen: 0.041 ng/ul

RT: 15.12 min Scan# 2679

Delta R.T. -0.01 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

Instrument :

BNA_N

ClientSampleId :

C0B93

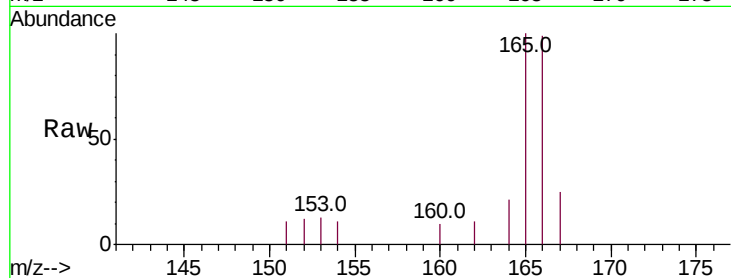
Tot Ion:166 Resp: 769

Ion Ratio Lower Upper

166 100

165 101.0 79.8 119.8

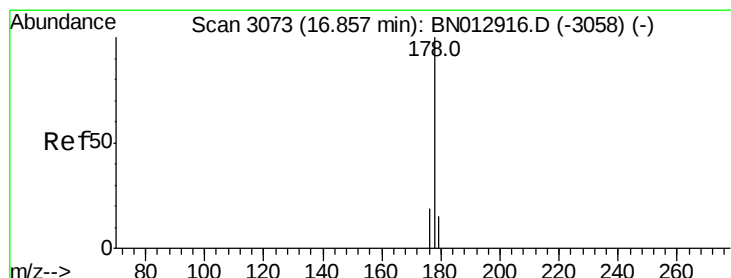
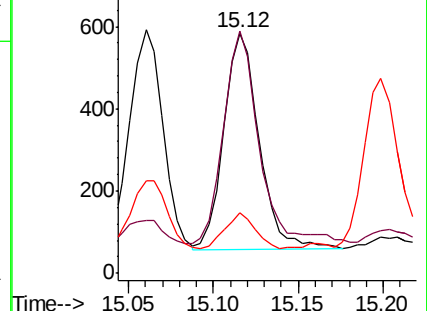
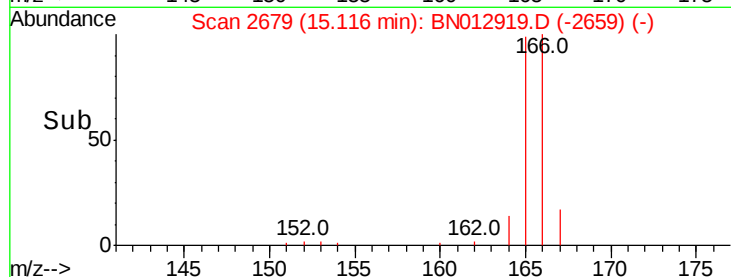
167 25.0 13.8 20.8#



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: 0.767 ng/ul

RT: 16.85 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

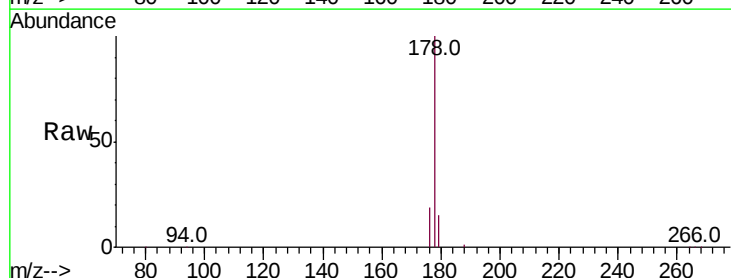
Tgt Ion:178 Resp: 24014

Ion Ratio Lower Upper

178 100

179 15.3 13.6 20.4

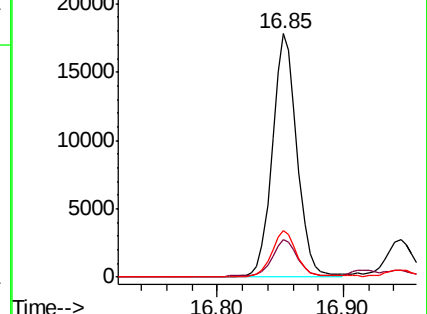
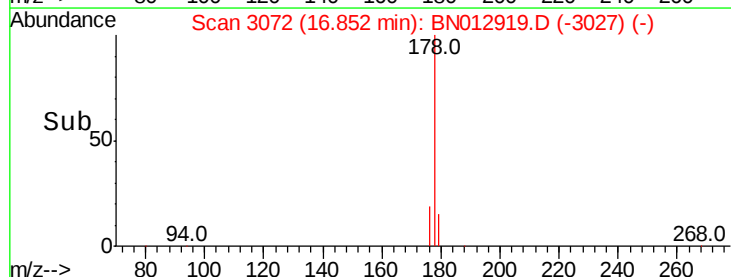
176 19.1 16.4 24.6

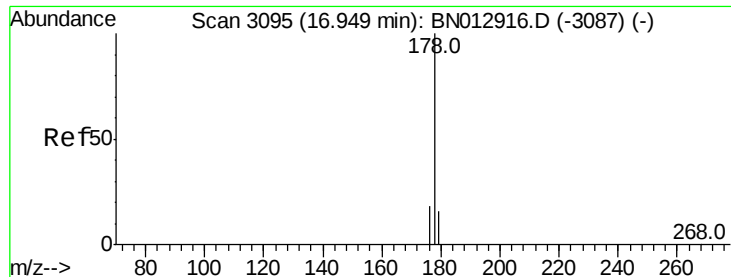


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.144 ng/ul

RT: 16.95 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

Instrument :

BNA_N

ClientSampleId :

C0B93

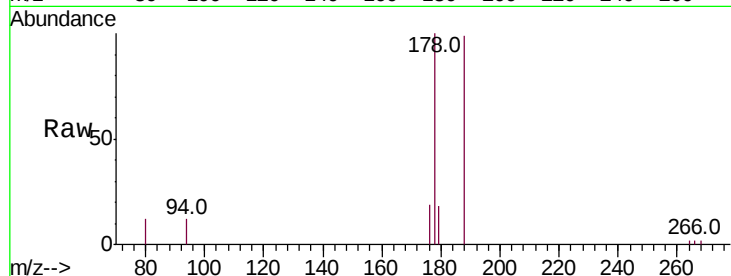
Tot Ion:178 Resp: 3823

Ion Ratio Lower Upper

178 100

179 18.1 14.6 21.8

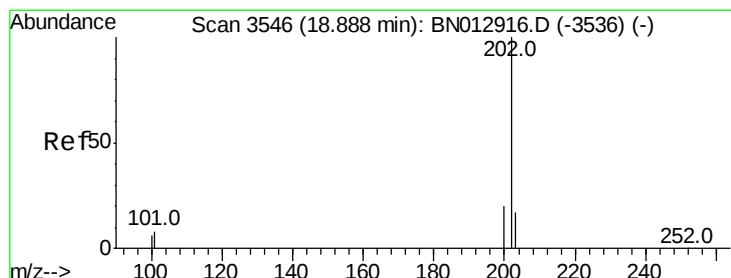
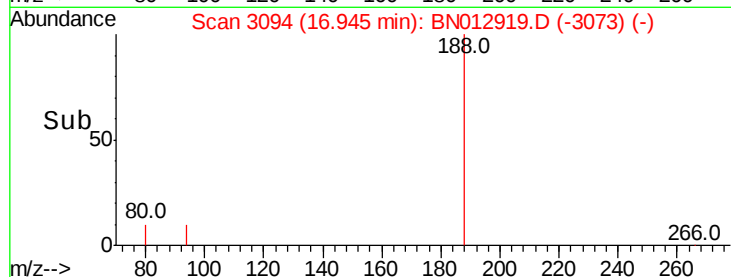
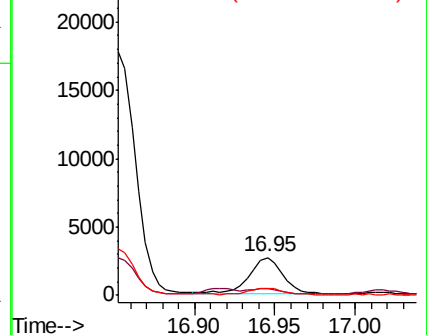
176 19.5 17.1 25.7



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: 1.846 ng/ul

RT: 18.88 min Scan# 3545

Delta R.T. -0.01 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

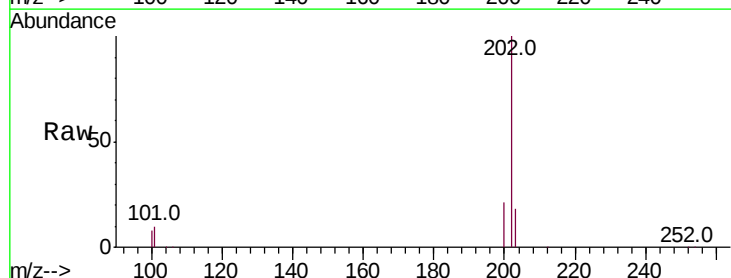
Tgt Ion:202 Resp: 68657

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.6

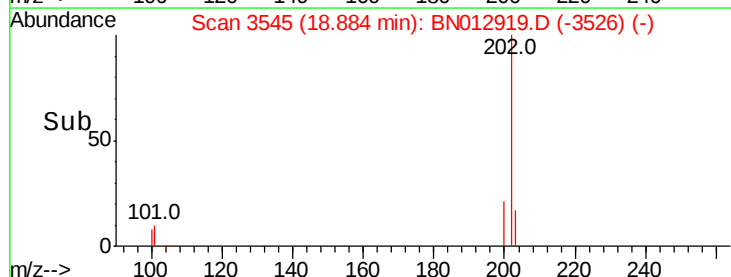
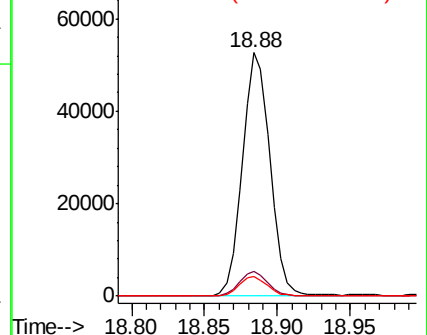
100 8.0 0.0 28.7

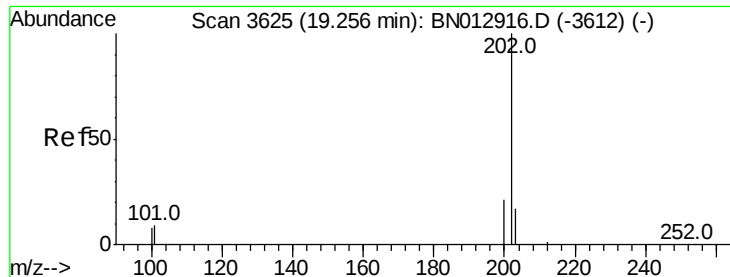


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

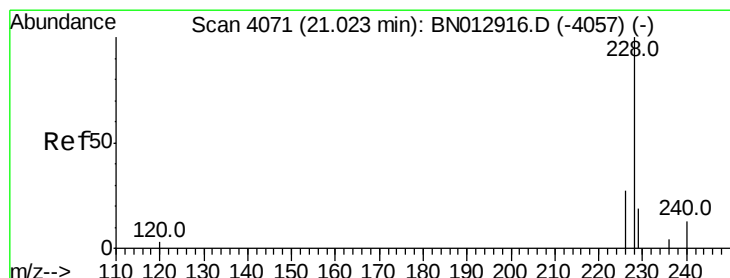
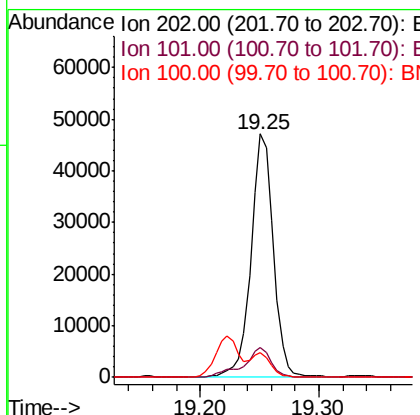
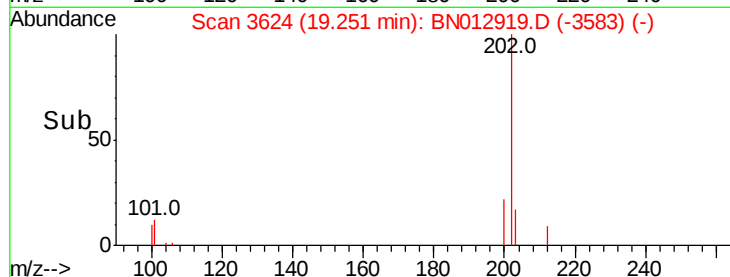
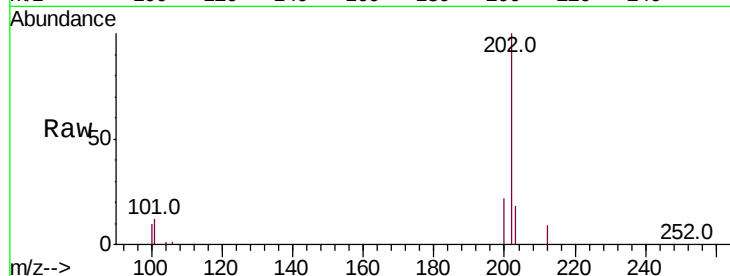




#17
Pvrene
Concen: 1.669 ng/ul
RT: 19.25 min Scan# 3624
Delta R.T. -0.01 min
Lab File: BN012919.D
Acq: 06 Dec 2020 16:05

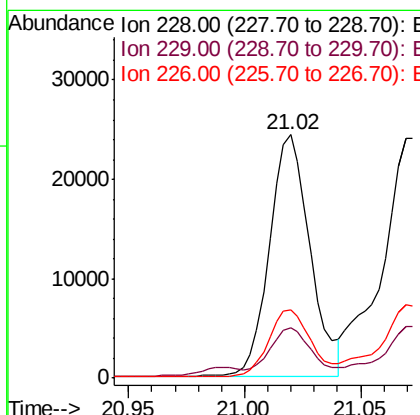
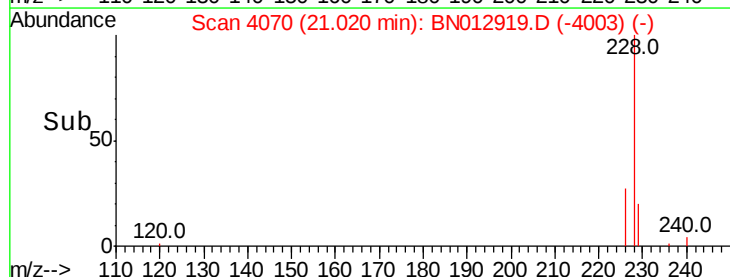
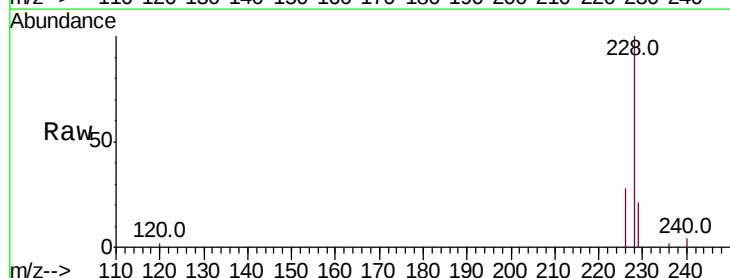
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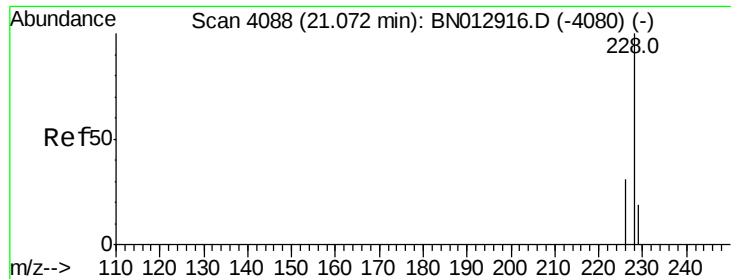
Tot Ion:202 Resp: 60874
Ion Ratio Lower Upper
202 100
101 12.1 9.1 13.7
100 10.2 7.5 11.3



#18
Benzo(a)anthracene
Concen: 0.923 ng/ul
RT: 21.02 min Scan# 4070
Delta R.T. -0.00 min
Lab File: BN012919.D
Acq: 06 Dec 2020 16:05

Tgt Ion:228 Resp: 29483
Ion Ratio Lower Upper
228 100
229 20.5 16.3 24.5
226 27.8 23.4 35.2





#19

Chrysene

Concen: 0.987 ng/ul

RT: 21.07 min Scan# 4087

Delta R.T. -0.01 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

Instrument :

BNA_N

ClientSampleId :

C0B93

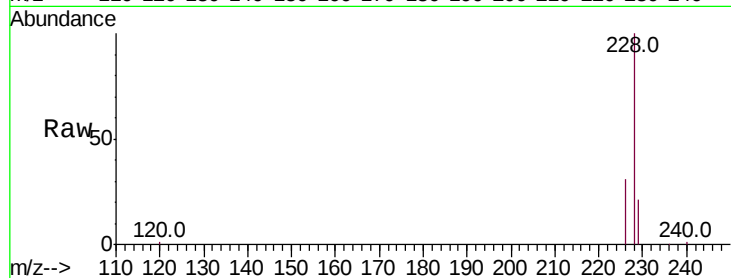
Tot Ion:228 Resp: 34843

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

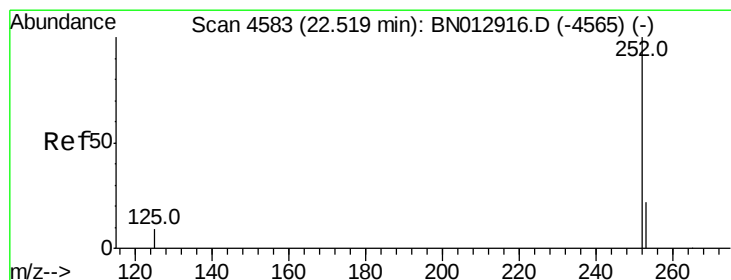
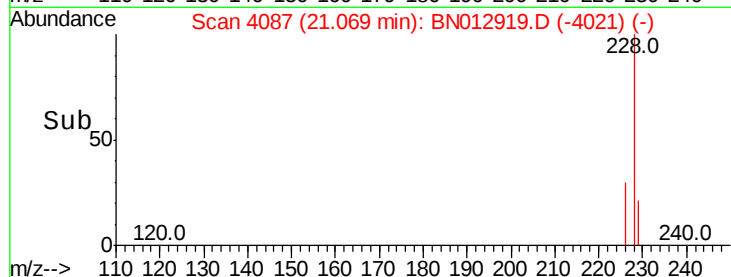
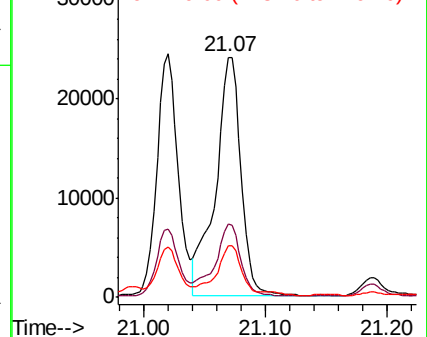
229 21.4 16.4 24.6



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: 1.950 ng/ul

RT: 22.52 min Scan# 4583

Delta R.T. -0.00 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

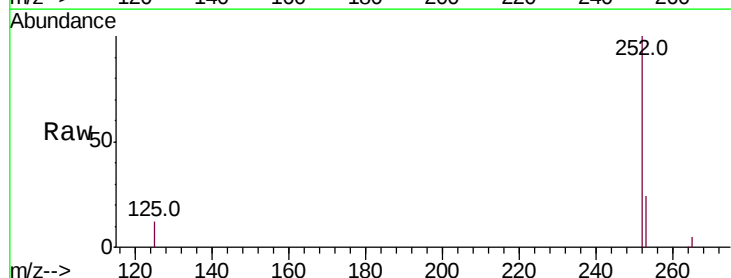
Tgt Ion:252 Resp: 64730

Ion Ratio Lower Upper

252 100

253 23.9 0.0 59.6

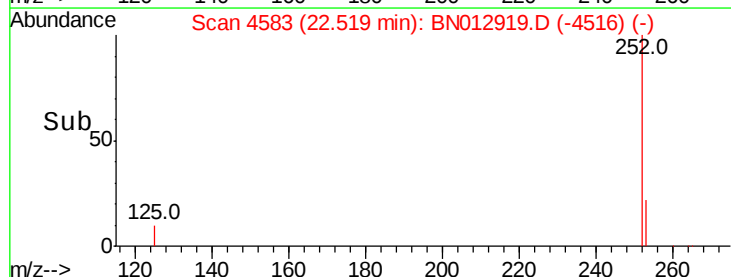
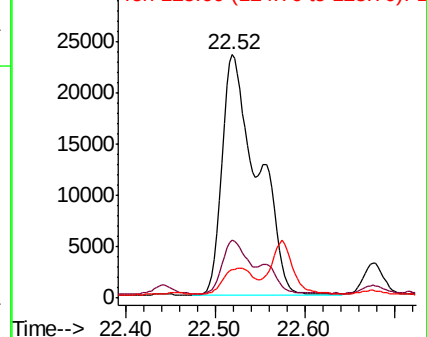
125 11.8 0.0 26.0

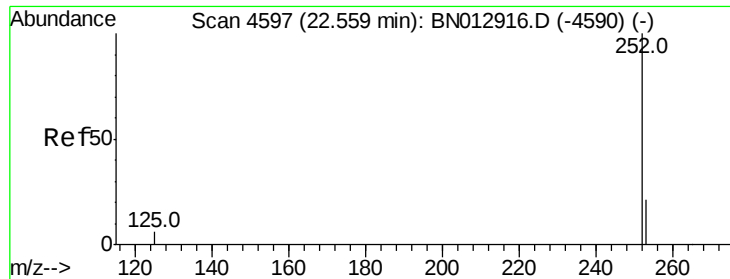


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.764 ng/ul

RT: 22.52 min Scan# 4583

Delta R.T. -0.04 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

Instrument :

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C0B93

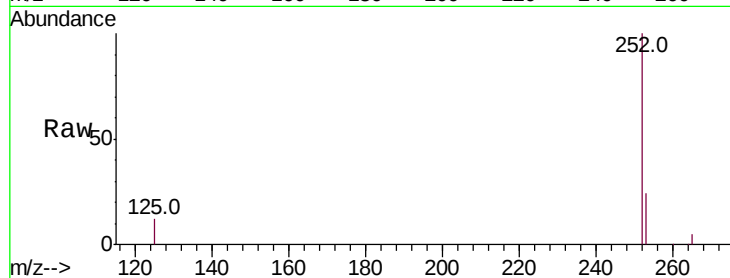
Tot Ion:252 Resp: 64730

Ion Ratio Lower Upper

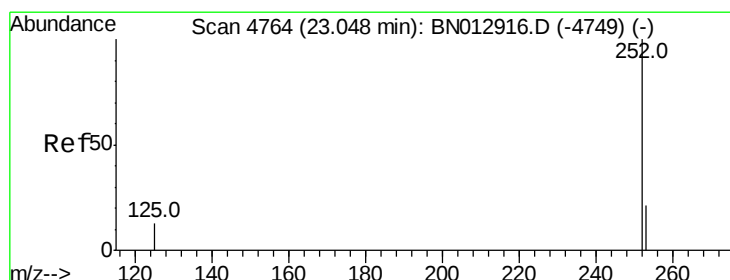
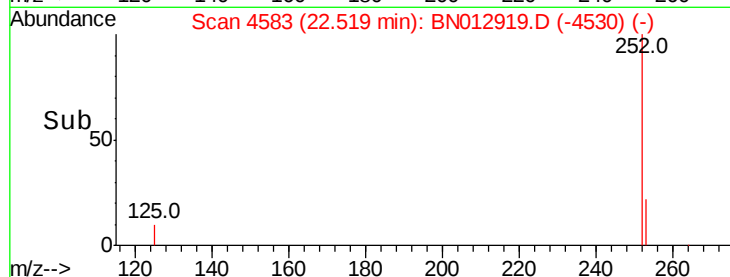
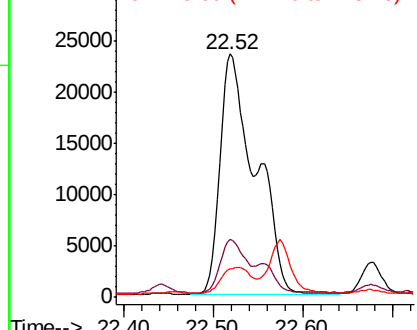
252 100

253 23.9 23.4 35.2

125 11.8 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: 0.927 ng/ul

RT: 23.04 min Scan# 4763

Delta R.T. -0.01 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

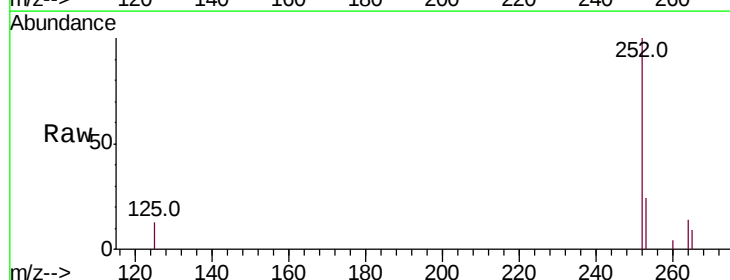
Tgt Ion:252 Resp: 28555

Ion Ratio Lower Upper

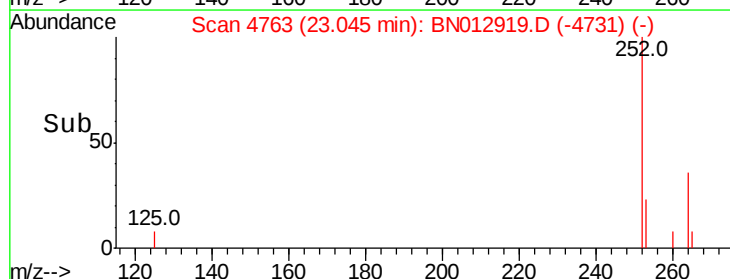
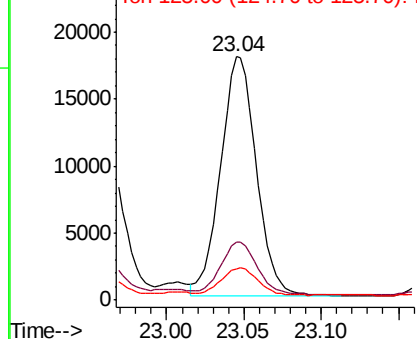
252 100

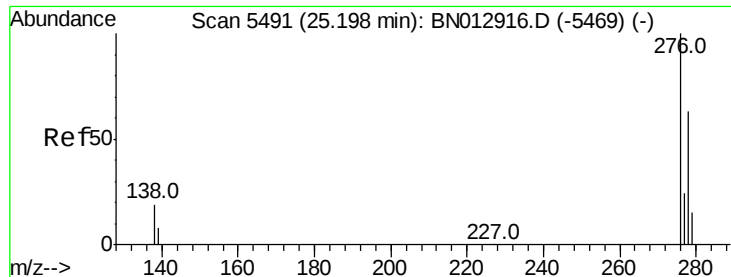
253 23.8 26.5 39.7#

125 13.0 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



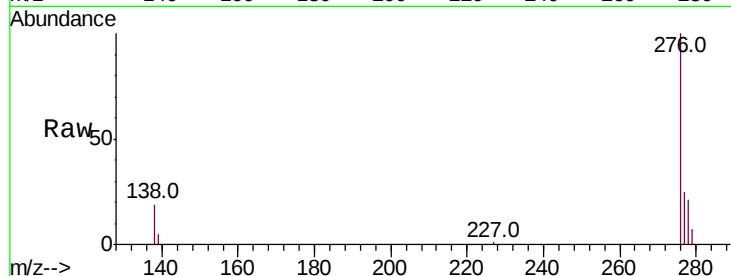


#24

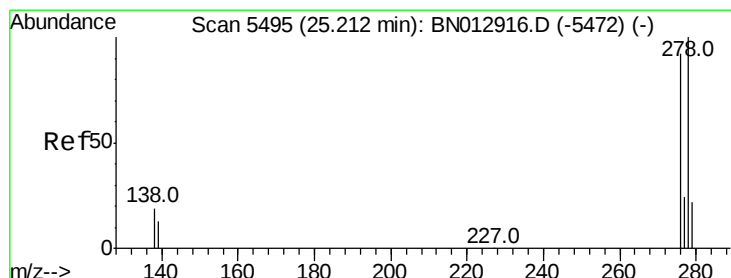
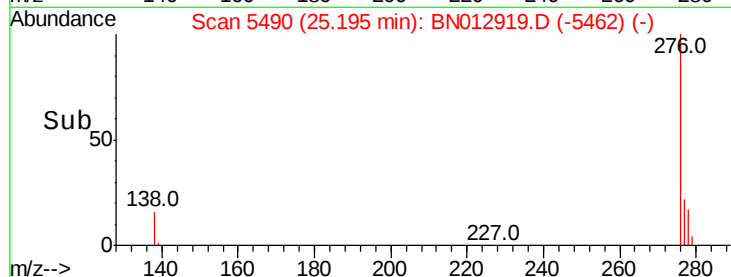
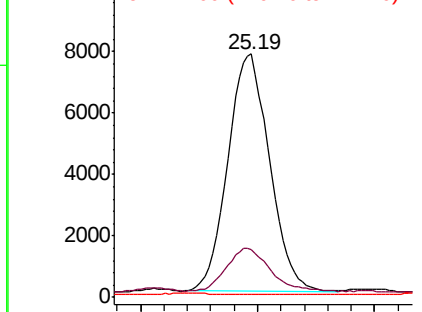
Indeno(1,2,3-cd)pyrene
Concen: 0.474 ng/u1
RT: 25.19 min Scan# 5490
Delta R.T. -0.01 min
Lab File: BN012919.D
Acq: 06 Dec 2020 16:05

Instrument :
BNA_N
ClientSampleId :
C0B93

Tot Ion:276 Resp: 19181
Ion Ratio Lower Upper
276 100
138 19.2 16.2 24.2
227 0.0 0.0 0.0



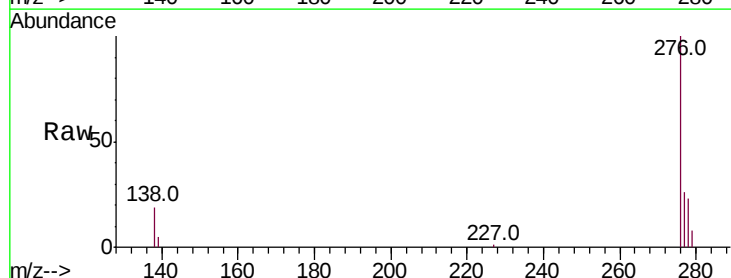
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



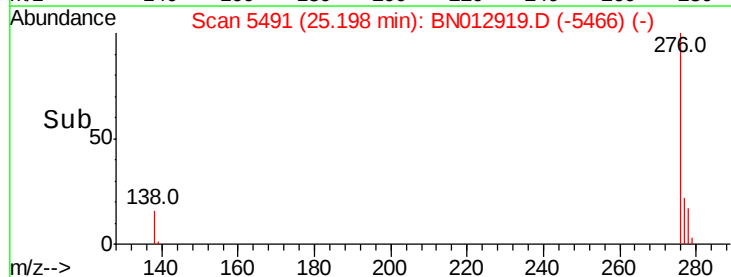
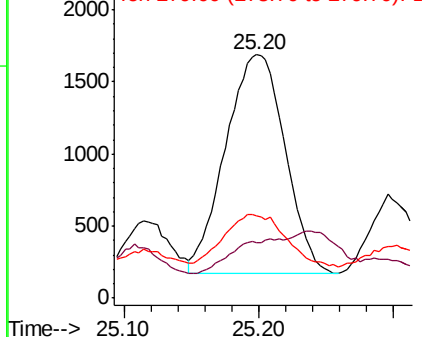
#25

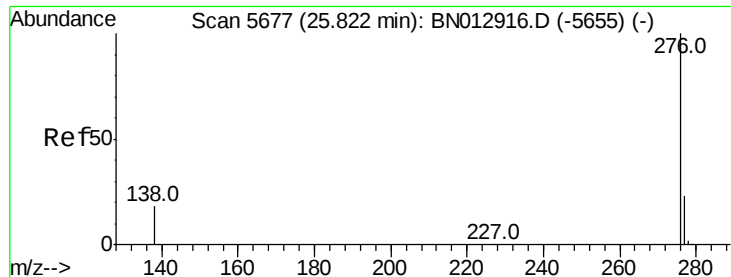
Dibenzo(a,h)anthracene
Concen: 0.146 ng/u1
RT: 25.20 min Scan# 5491
Delta R.T. -0.02 min
Lab File: BN012919.D
Acq: 06 Dec 2020 16:05

Tgt Ion:278 Resp: 4670
Ion Ratio Lower Upper
278 100
139 22.6 14.5 21.7#
279 33.8 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: 0.467 ng/ul

RT: 25.82 min Scan# 5676

Delta R.T. -0.01 min

Lab File: BN012919.D

Acq: 06 Dec 2020 16:05

Instrument :

BNA_N

ClientSampleId :

C0B93

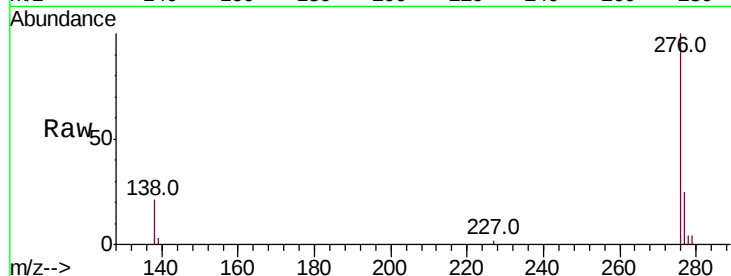
Tot Ion:276 Resp: 17081

Ion Ratio Lower Upper

276 100

138 21.4 16.3 24.5

277 25.4 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

