

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120620\
 Data File : BN012923.D
 Acq On : 06 Dec 2020 18:29
 Operator : CG/JU
 Sample : L4859-16
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B29

Quant Time: Dec 07 03:09:27 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

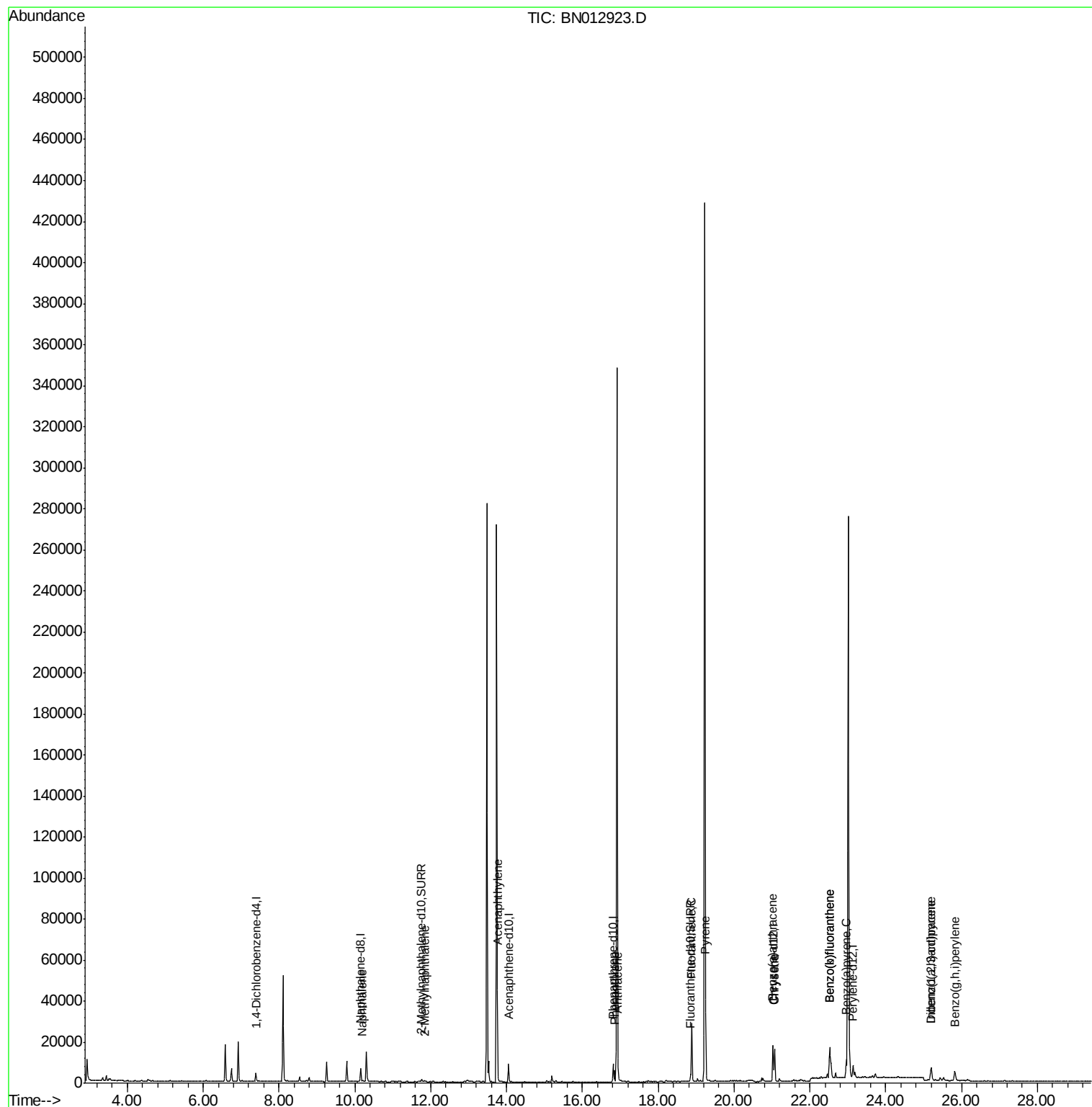
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	2045	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	8472	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.06	164	4653	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	9766	0.40	ng/ul	0.00
16) Chrysene-d12	21.04	240	7488	0.40	ng/ul	0.00
20) Perylene-d12	23.14	264	6517	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	1733	0.14	ng/ul	-0.02
14) Fluoranthene-d10	18.86	212	4063	0.15	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	620	0.025	ng/ul#	85
5) 2-Methylnaphthalene	11.84	142	383	0.024	ng/ul	99
7) Acenaphthylene	13.77	152	1594	0.072	ng/ul	97
12) Phenanthrene	16.85	178	6070	0.185	ng/ul	99
13) Anthracene	16.95	178	1814	0.065	ng/ul	97
15) Fluoranthene	18.89	202	24456	0.629	ng/ul	99
17) Pyrene	19.26	202	23457	0.663	ng/ul	100
18) Benzo(a)anthracene	21.02	228	12934	0.417	ng/ul	99
19) Chrysene	21.07	228	15428	0.451	ng/ul	98
21) Benzo(b)fluoranthene	22.52	252	30026	0.996	ng/ul	93
22) Benzo(k)fluoranthene	22.52	252	30026	0.901	ng/ul	95
23) Benzo(a)pyrene	22.96	252	6877	0.246	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.20	276	9140	0.249	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.21	278	2987	0.103	ng/ul#	76
26) Benzo(g,h,i)perylene	25.83	276	9141	0.275	ng/ul	96

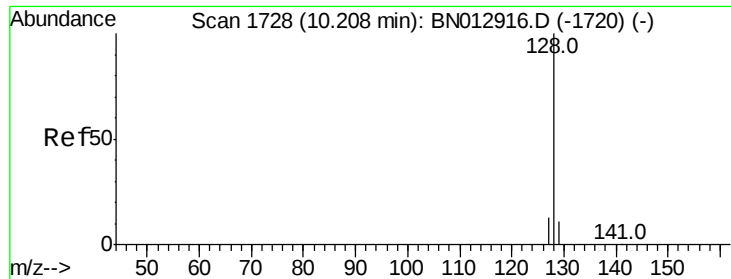
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 07 03:06:53 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.025 ng/ul

RT: 10.20 min Scan# 1727

Delta R.T. -0.01 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

Instrument :

BNA_N

ClientSampleId :

C0B29

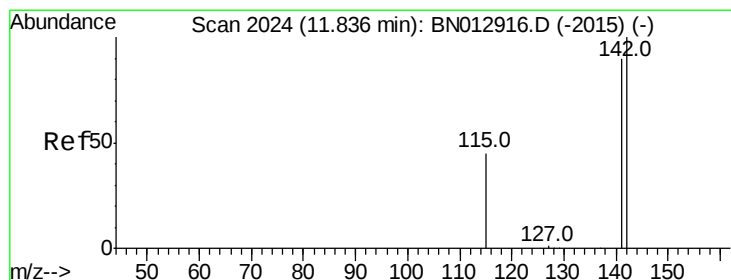
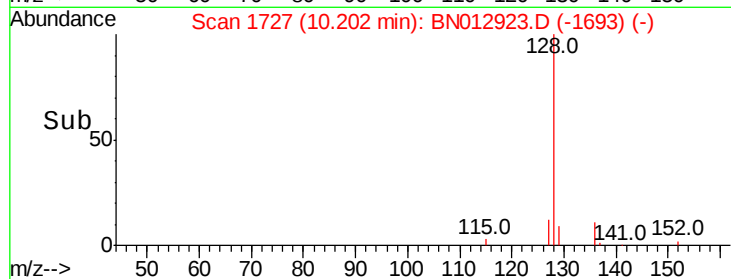
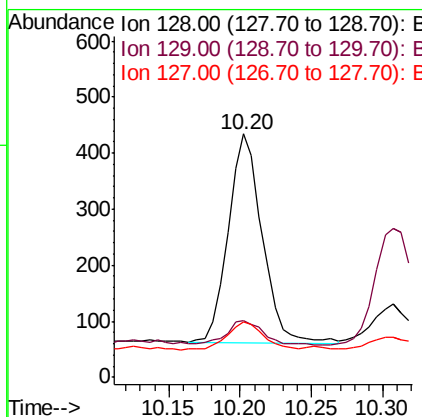
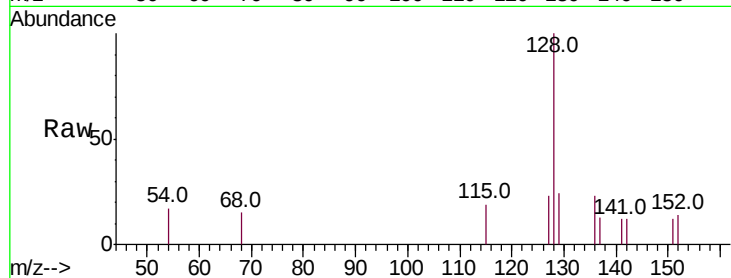
Tot Ion:128 Resp: 620

Ion Ratio Lower Upper

128 100

129 23.5 12.3 18.5#

127 22.6 14.2 21.4#



#5

2-Methylnaphthalene

Concen: 0.024 ng/ul

RT: 11.84 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BN012923.D

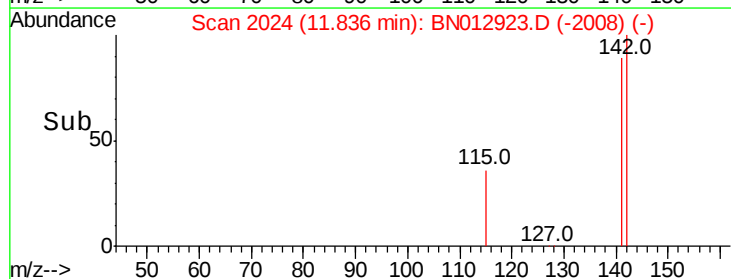
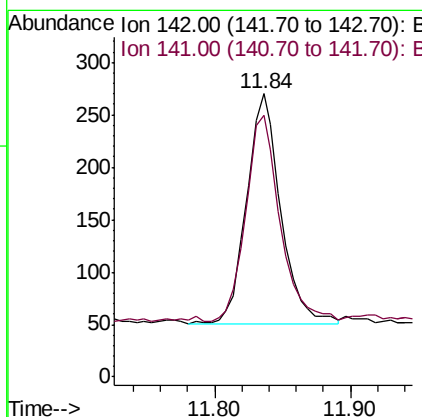
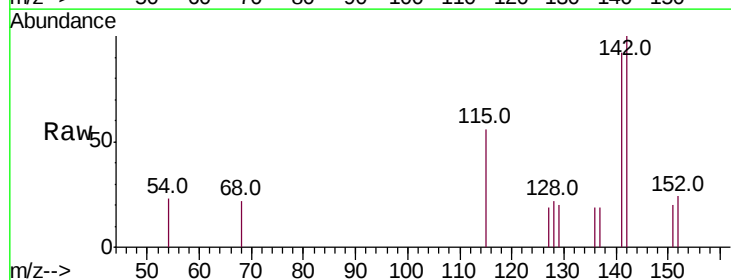
Acq: 06 Dec 2020 18:29

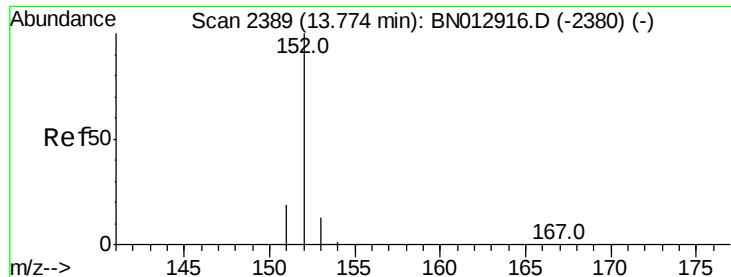
Tgt Ion:142 Resp: 383

Ion Ratio Lower Upper

142 100

141 90.3 73.0 109.6





#7

Acenaphthylene

Concen: 0.072 ng/ul

RT: 13.77 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

Instrument :

BNA_N

ClientSampled :

C0B29

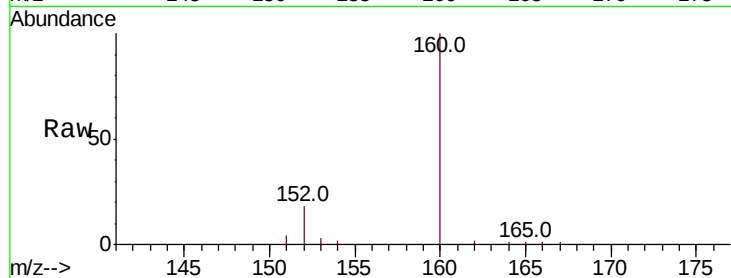
Tot Ion:152 Resp: 1594

Ion Ratio Lower Upper

152 100

151 23.9 18.2 27.4

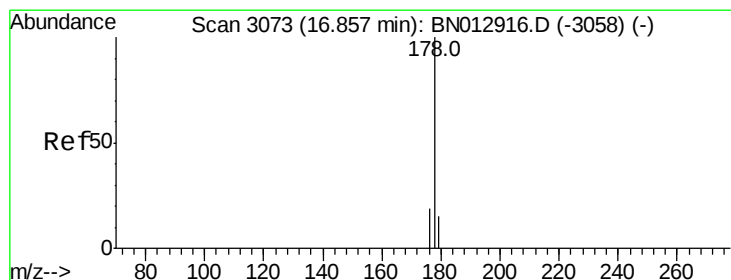
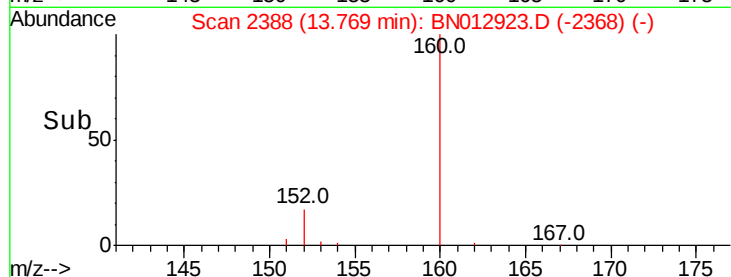
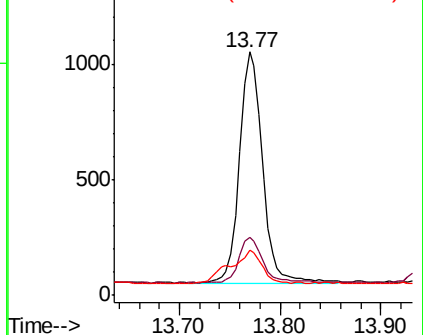
153 18.4 13.1 19.7



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



#12

Phenanthrene

Concen: 0.185 ng/ul

RT: 16.85 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

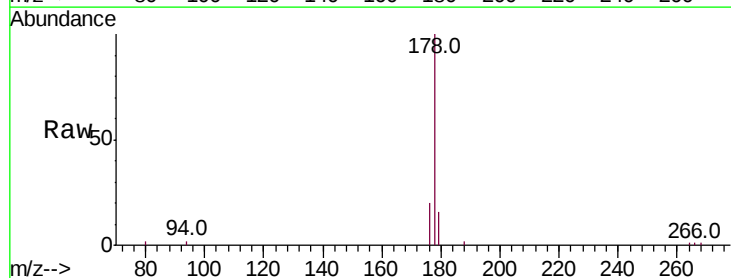
Tgt Ion:178 Resp: 6070

Ion Ratio Lower Upper

178 100

179 16.3 13.6 20.4

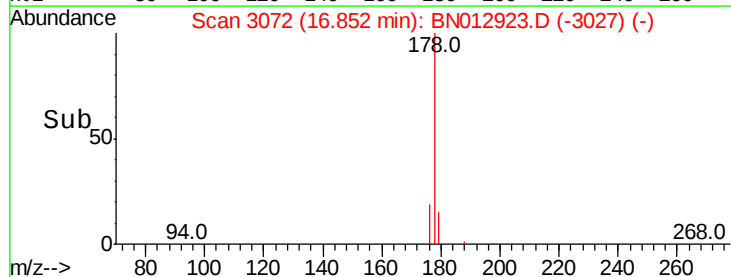
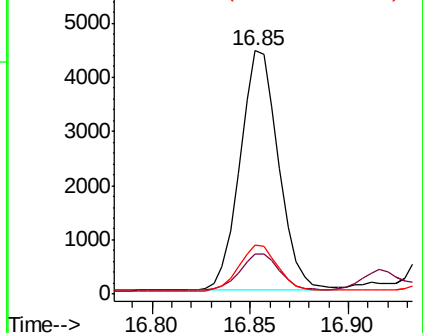
176 20.0 16.4 24.6

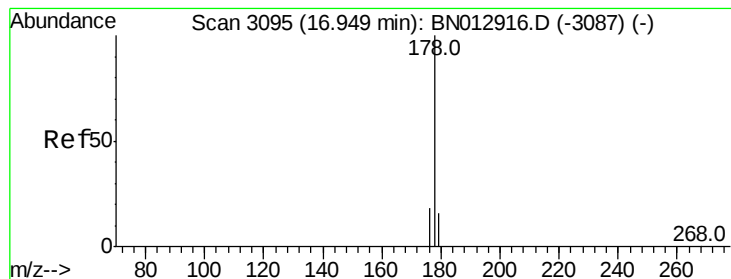


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.065 ng/ul

RT: 16.95 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

Instrument :

BNA_N

ClientSampleId :

C0B29

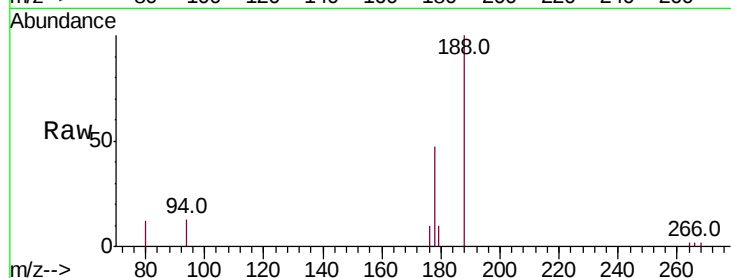
Tot Ion:178 Resp: 1814

Ion Ratio Lower Upper

178 100

179 20.6 14.6 21.8

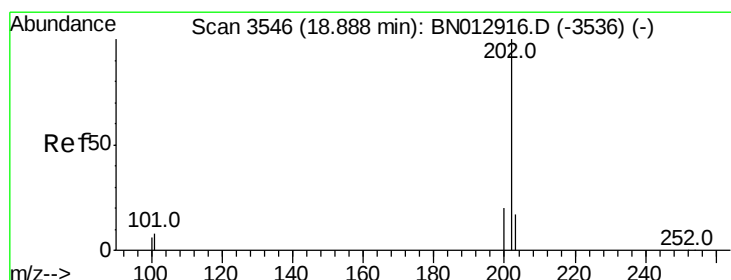
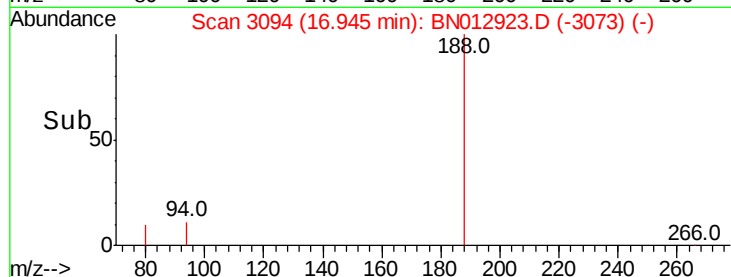
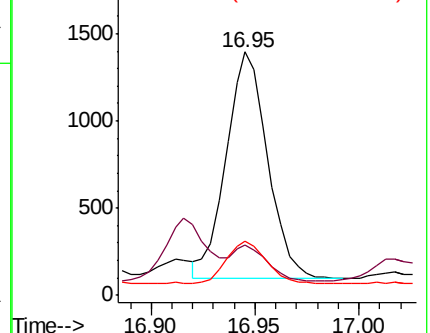
176 22.1 17.1 25.7



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: 0.629 ng/ul

RT: 18.89 min Scan# 3546

Delta R.T. -0.00 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

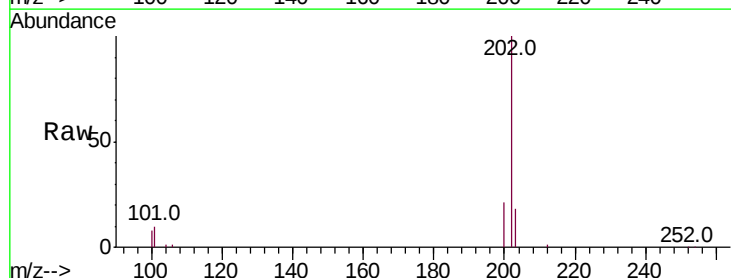
Tgt Ion:202 Resp: 24456

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.6

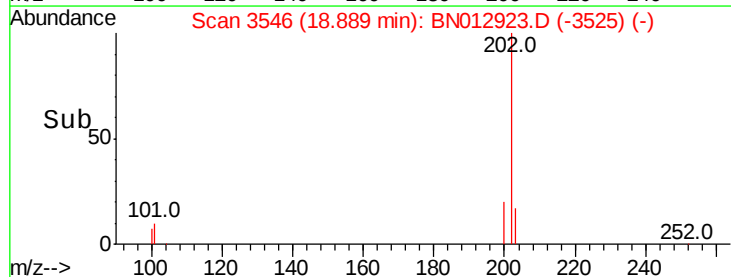
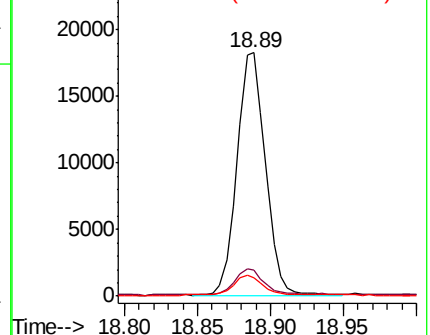
100 7.7 0.0 28.7

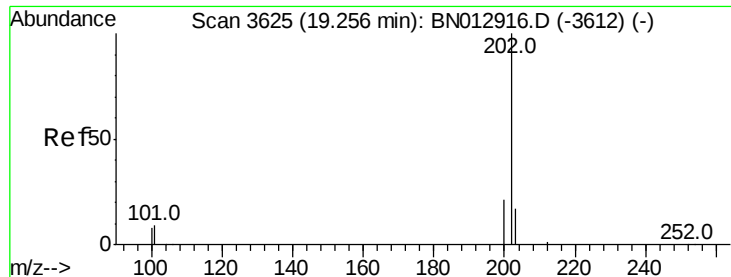


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

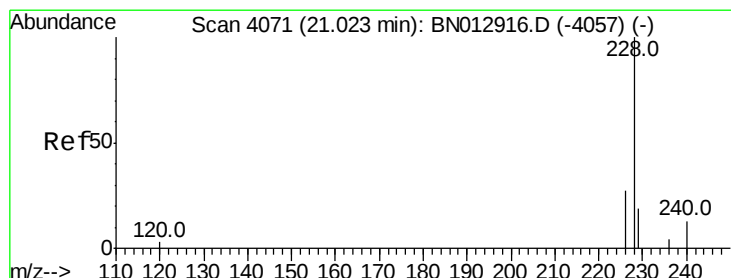
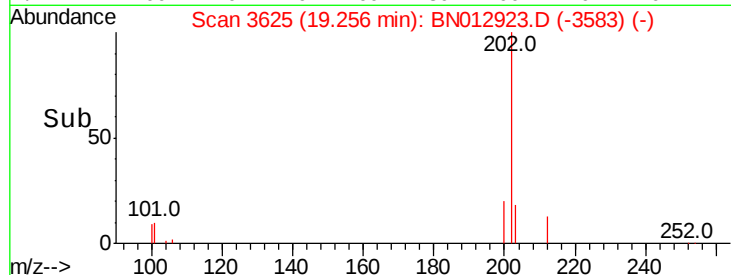
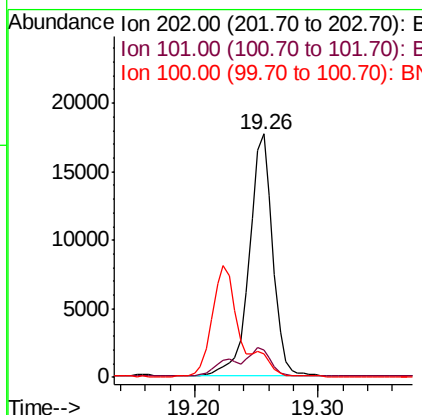
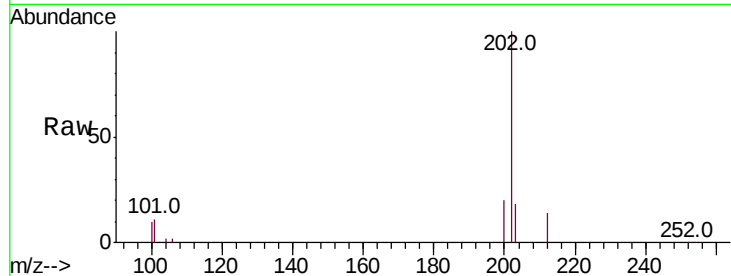




#17
Pvrene
Concen: 0.663 ng/ul
RT: 19.26 min Scan# 3625
Delta R.T. -0.00 min
Lab File: BN012923.D
Acq: 06 Dec 2020 18:29

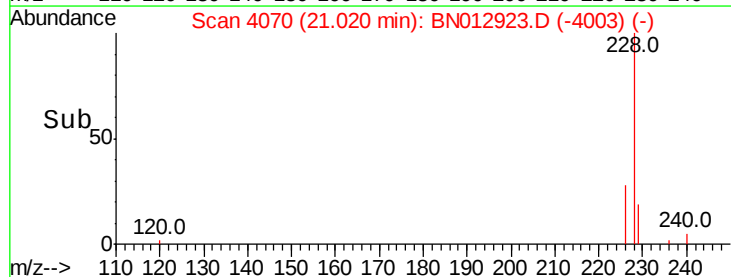
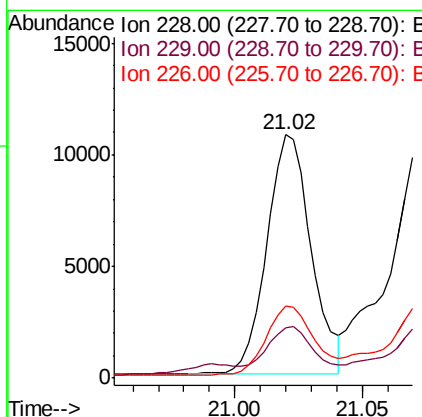
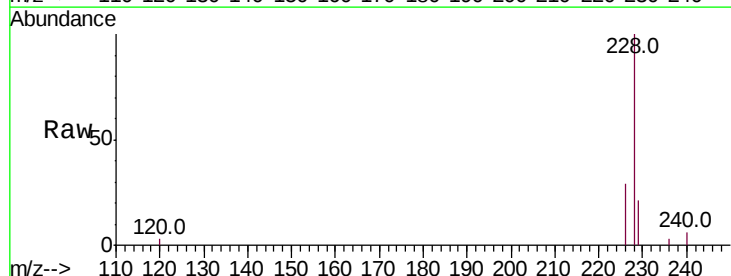
Instrument :
BNA_N
ClientSampleId :
C0B29

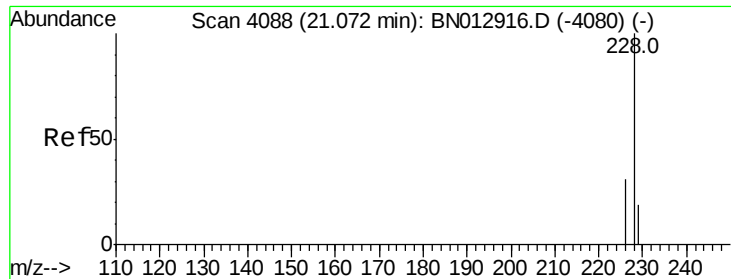
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.1	13.7
100	9.5	7.5	11.3



#18
Benzo(a)anthracene
Concen: 0.417 ng/ul
RT: 21.02 min Scan# 4070
Delta R.T. -0.00 min
Lab File: BN012923.D
Acq: 06 Dec 2020 18:29

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.3	24.5
226	29.5	23.4	35.2





#19

Chrysene

Concen: 0.451 ng/ul

RT: 21.07 min Scan# 4088

Delta R.T. -0.00 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

Instrument :

BNA_N

ClientSampleId :

C0B29

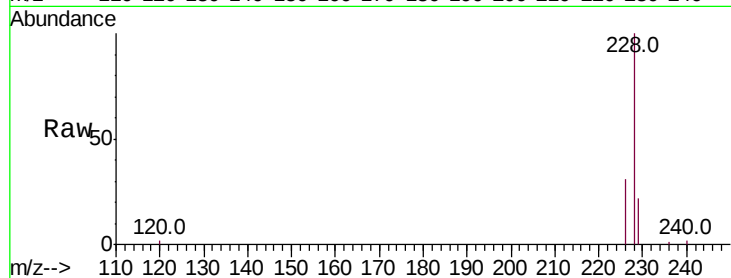
Tot Ion:228 Resp: 15428

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

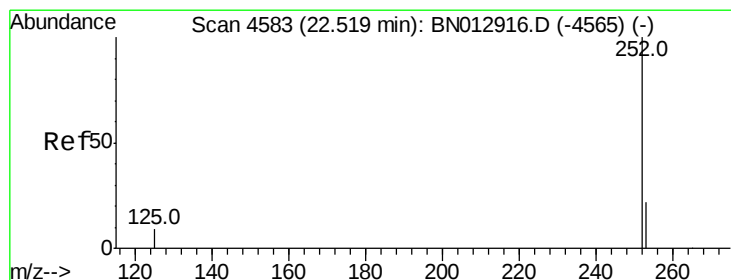
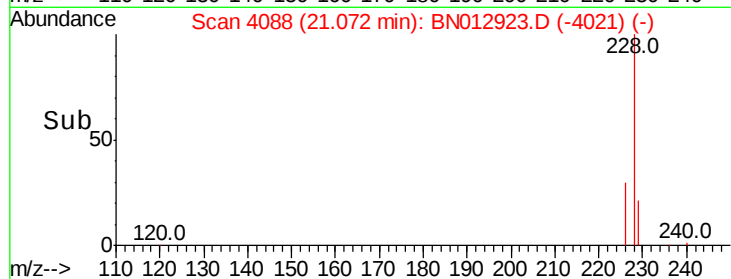
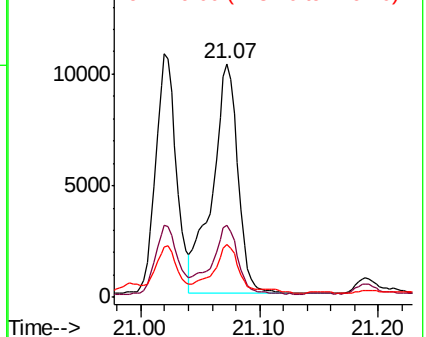
229 22.4 16.4 24.6



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: 0.996 ng/ul

RT: 22.52 min Scan# 4584

Delta R.T. -0.00 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

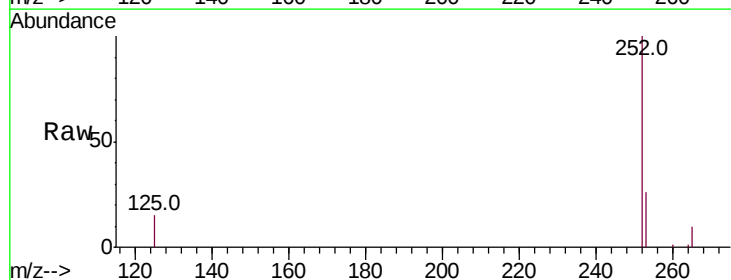
Tgt Ion:252 Resp: 30026

Ion Ratio Lower Upper

252 100

253 25.8 0.0 59.6

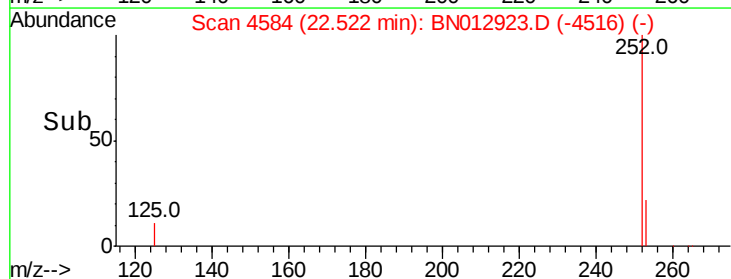
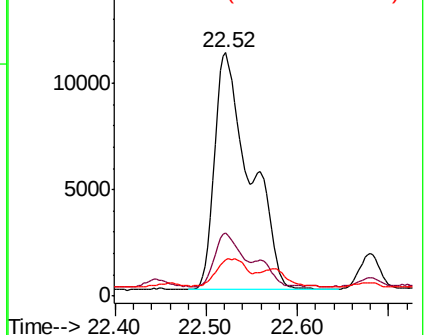
125 14.9 0.0 26.0

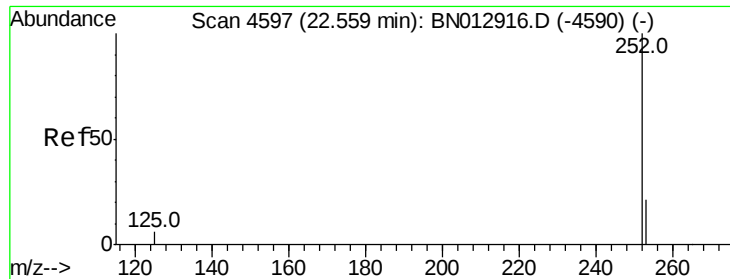


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.901 ng/ul

RT: 22.52 min Scan# 4584

Delta R.T. -0.04 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

Instrument :

BNA_N

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C0B29

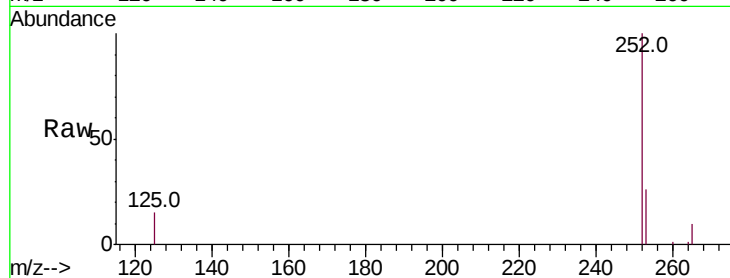
Tot Ion:252 Resp: 30026

Ion Ratio Lower Upper

252 100

253 25.8 23.4 35.2

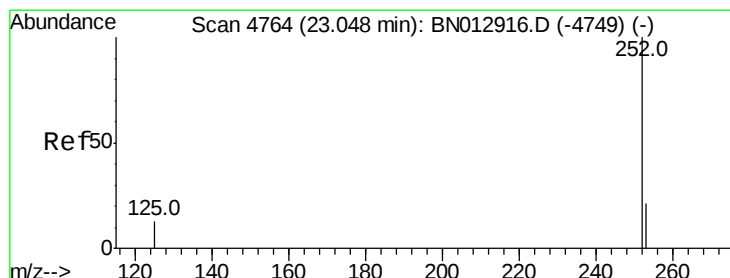
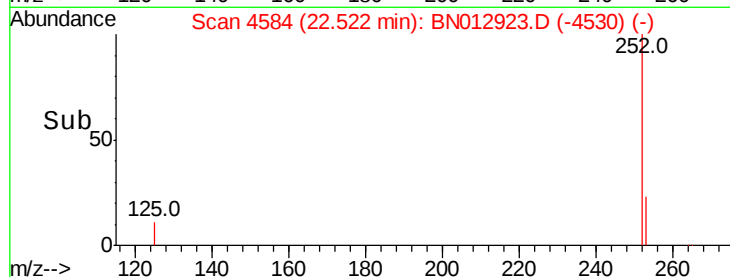
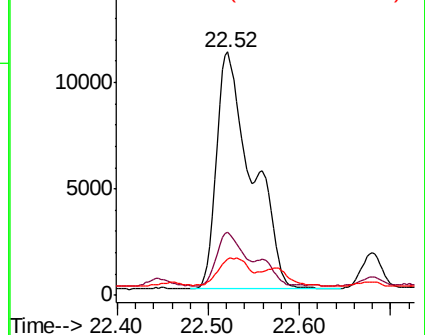
125 14.9 11.1 16.7



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: 0.246 ng/ul

RT: 22.96 min Scan# 4734

Delta R.T. -0.09 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

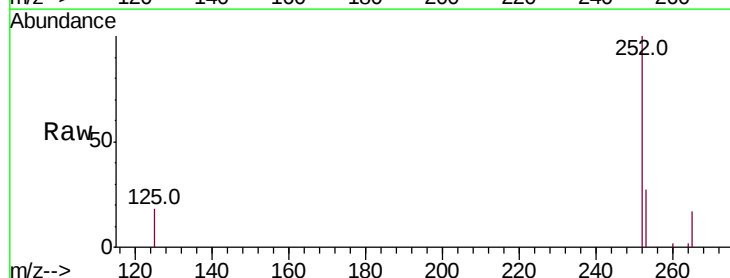
Tgt Ion:252 Resp: 6877

Ion Ratio Lower Upper

252 100

253 26.7 26.5 39.7

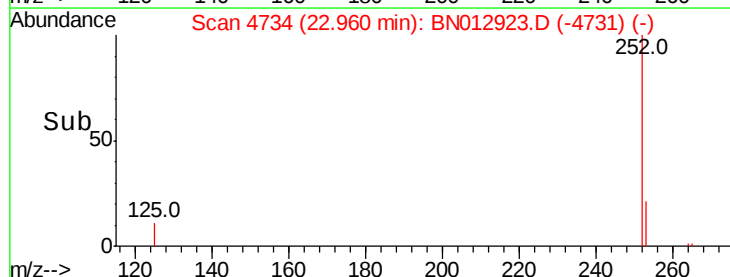
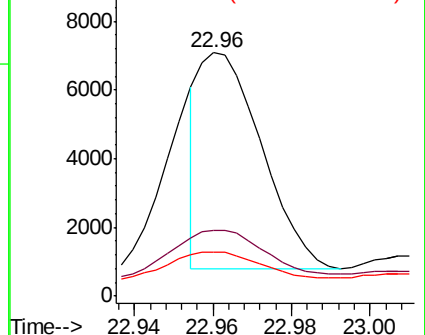
125 18.3 14.2 21.2

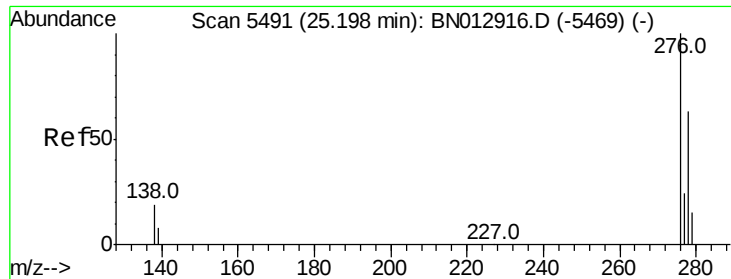


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.249 ng/ul

RT: 25.20 min Scan# 5490

Delta R.T. -0.01 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

Instrument :

BNA_N

ClientSampleId :

C0B29

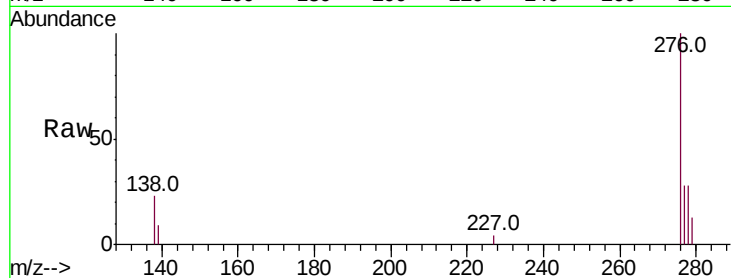
Tot Ion:276 Resp: 9140

Ion Ratio Lower Upper

276 100

138 22.1 16.2 24.2

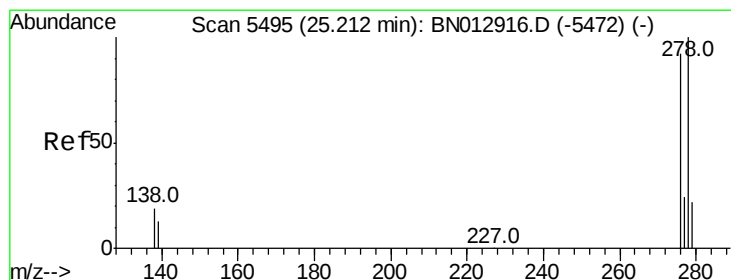
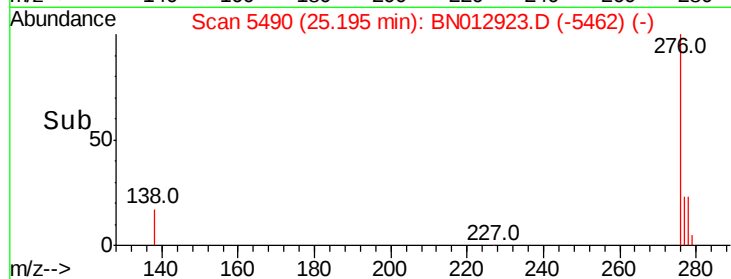
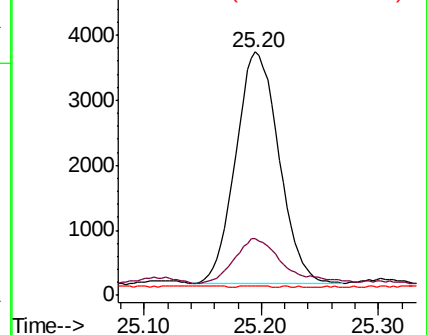
227 0.2 0.0 0.0#



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: 0.103 ng/ul

RT: 25.21 min Scan# 5493

Delta R.T. -0.01 min

Lab File: BN012923.D

Acq: 06 Dec 2020 18:29

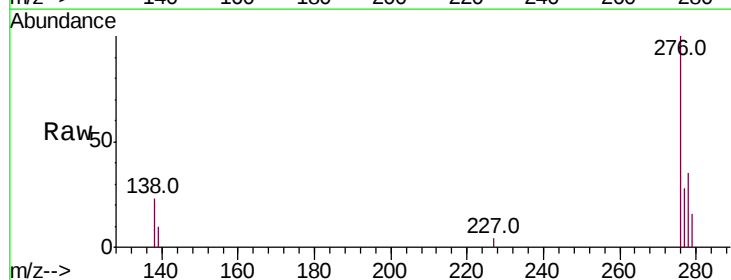
Tgt Ion:278 Resp: 2987

Ion Ratio Lower Upper

278 100

139 29.6 14.5 21.7#

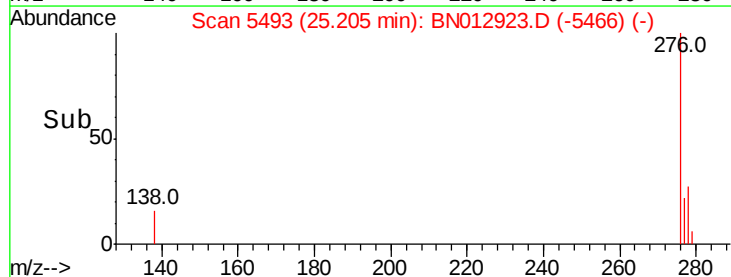
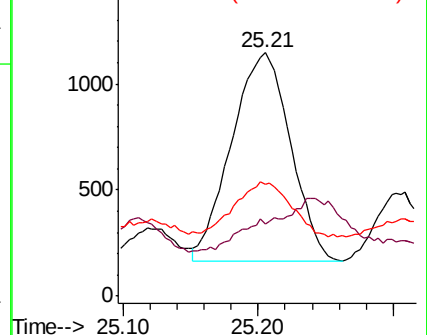
279 45.9 26.3 39.5#

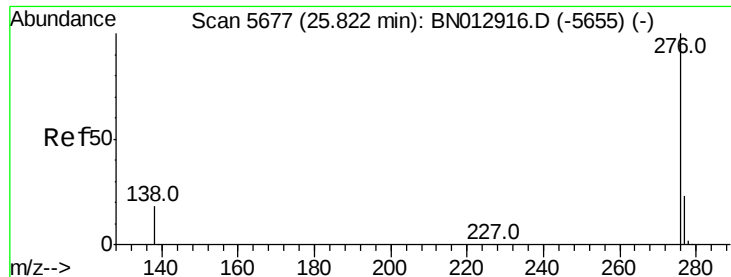


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.275 ng/ul

RT: 25.83 min Scan# 5678

Delta R.T. -0.00 min

Lab File: BN012923.D

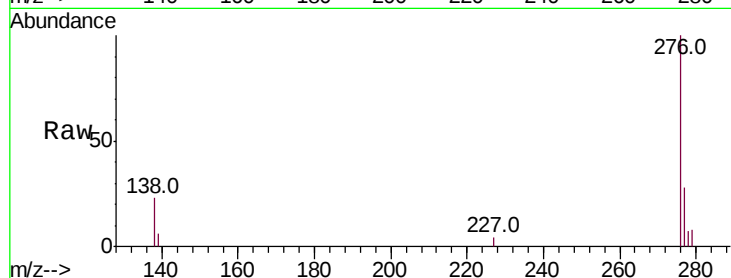
Acq: 06 Dec 2020 18:29

Instrument :

BNA_N

ClientSampleId :

C0B29



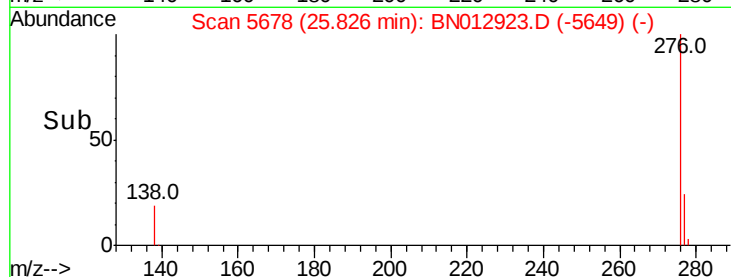
Tot Ion:276 Resp: 9141

Ion Ratio Lower Upper

276 100

138 23.3 16.3 24.5

277 28.1 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

