

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN013021.D
 Acq On : 09 Dec 2020 20:44
 Operator : CG/JU
 Sample : L4941-01
 Misc :
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AW6

Quant Time: Dec 10 01:00:25 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 : Thu Dec 10 00:40:41 2020
 Response via : Initial Calibration

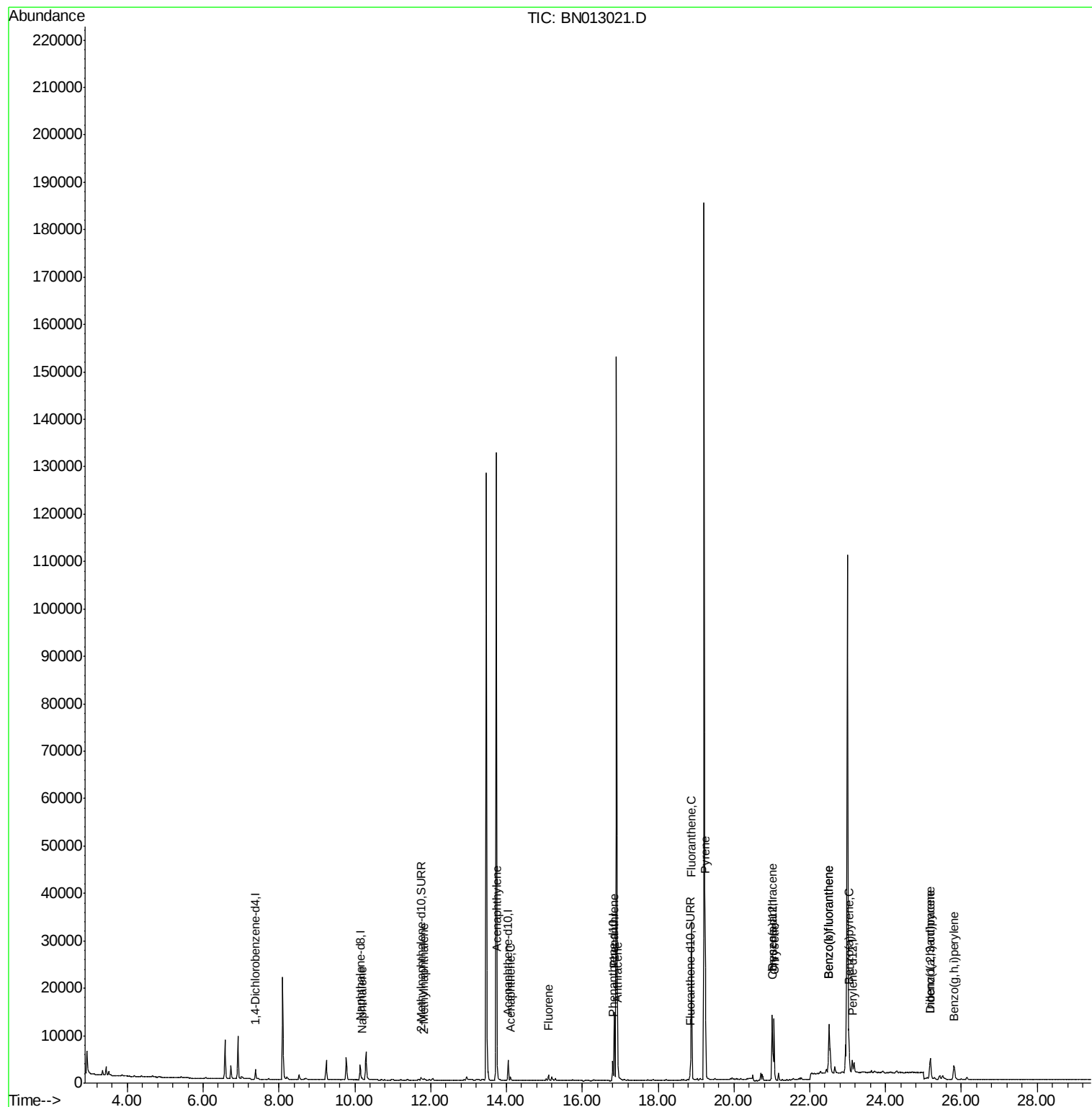
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	997	0.40	ng/ul	0.00
2) Naphthalene-d8	10.14	136	4164	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.05	164	2293	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4708	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	3280	0.40	ng/ul	-0.01
20) Perylene-d12	23.12	264	3041	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	909	0.15	ng/ul	-0.01
14) Fluoranthene-d10	18.85	212	1896	0.15	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.19	128	602	0.050	ng/ul#	84
5) 2-Methylnaphthalene	11.82	142	277	0.035	ng/ul	98
7) Acenaphthylene	13.76	152	450	0.041	ng/ul#	71
8) Acenaphthene	14.11	153	474	0.053	ng/ul	98
9) Fluorene	15.11	166	721	0.071	ng/ul#	98
12) Phenanthrene	16.84	178	14893	0.943	ng/ul	97
13) Anthracene	16.94	178	2930	0.218	ng/ul	98
15) Fluoranthene	18.88	202	28092	1.498	ng/ul	97
17) Pyrene	19.25	202	26266	1.695	ng/ul	99
18) Benzo(a)anthracene	21.01	228	10869	0.801	ng/ul	99
19) Chrysene	21.06	228	12397	0.827	ng/ul	98
21) Benzo(b)fluoranthene	22.50	252	20958	1.490	ng/ul	94
22) Benzo(k)fluoranthene	22.50	252	20958	1.348	ng/ul	95
23) Benzo(a)pyrene	23.03	252	9780	0.749	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.18	276	6691	0.390	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.18	278	1574	0.116	ng/ul#	68
26) Benzo(a,h,i)perylene	25.81	276	5826	0.376	ng/ul	96

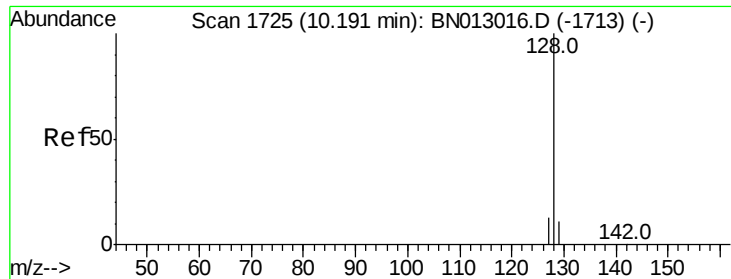
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.050 ng/ul

RT: 10.19 min Scan# 1725

Delta R.T. -0.01 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

Instrument :

BNA_N

ClientSampleId :

C0AW6

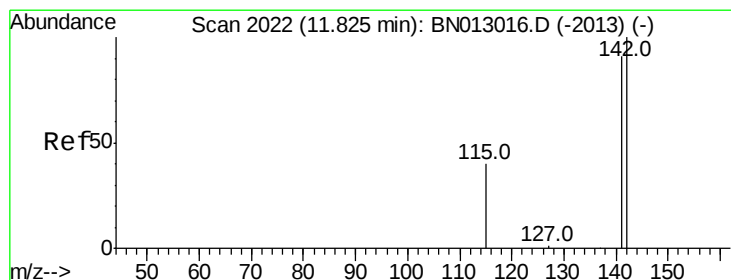
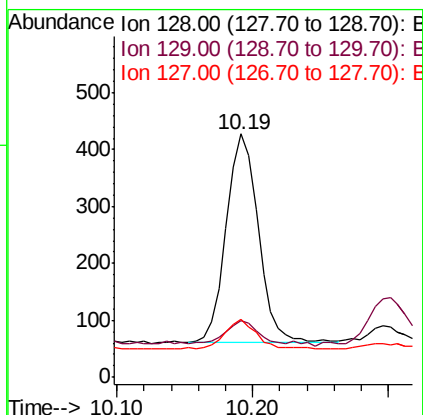
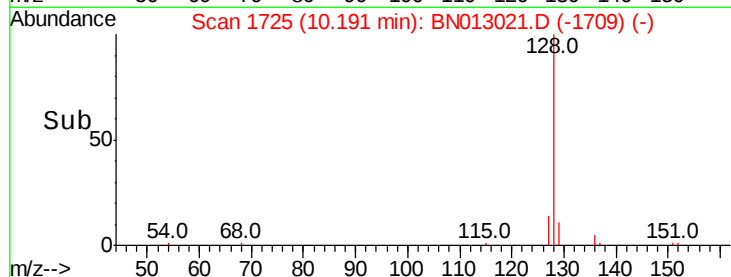
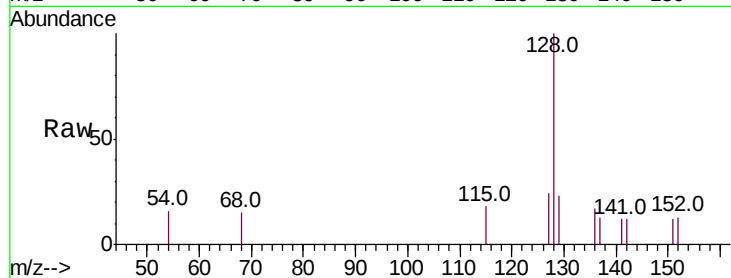
Tot Ion:128 Resp: 602

Ion Ratio Lower Upper

128 100

129 23.1 12.3 18.5#

127 23.6 14.2 21.4#



#5

2-Methylnaphthalene

Concen: 0.035 ng/ul

RT: 11.82 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BN013021.D

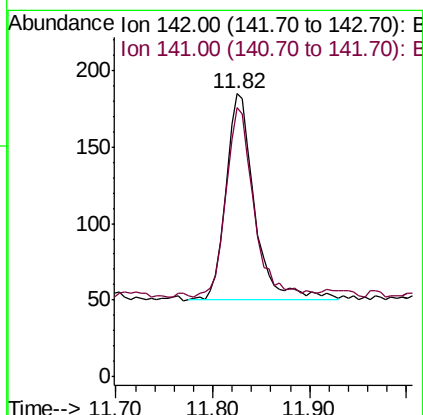
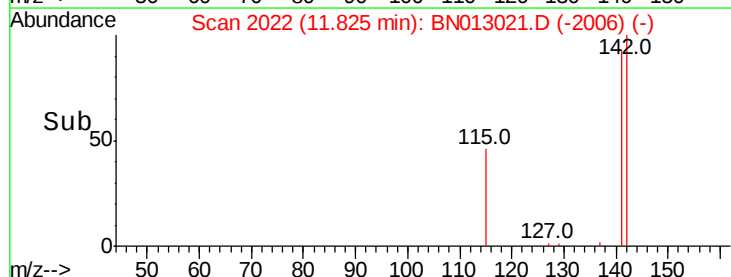
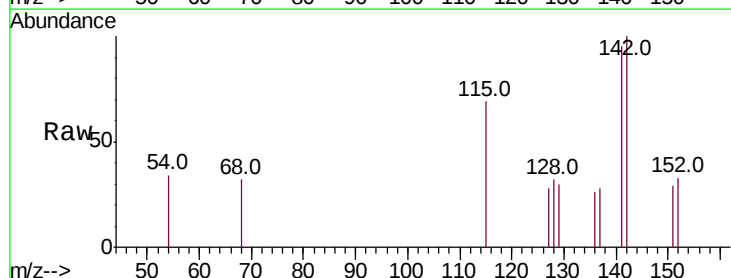
Acq: 09 Dec 2020 20:44

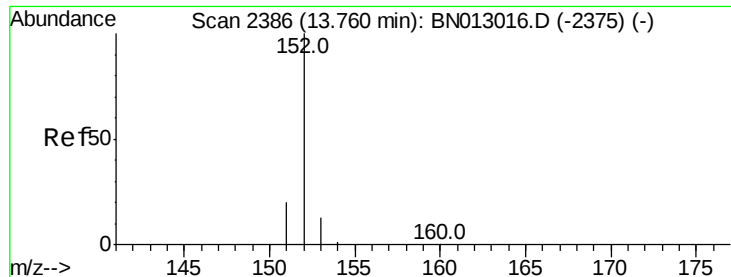
Tgt Ion:142 Resp: 277

Ion Ratio Lower Upper

142 100

141 89.2 73.0 109.6





#7

Acenaphthylene

Concen: 0.041 ng/ul

RT: 13.76 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

Instrument :

BNA_N

ClientSampleId :

C0AW6

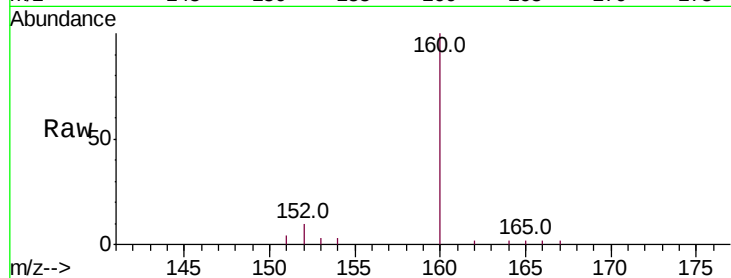
Tot Ion:152 Resp: 450

Ion Ratio Lower Upper

152 100

151 36.5 18.2 27.4#

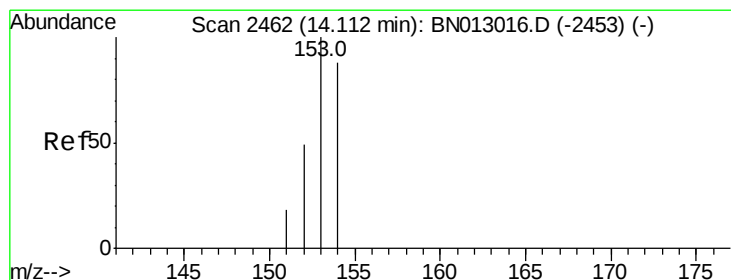
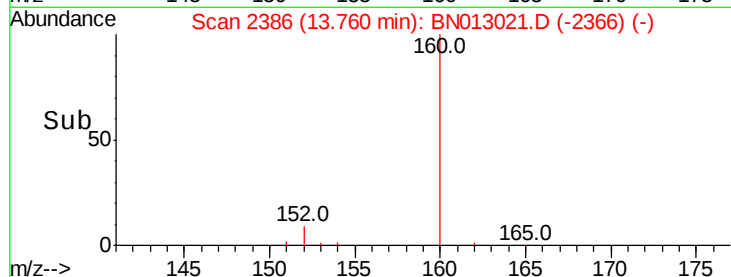
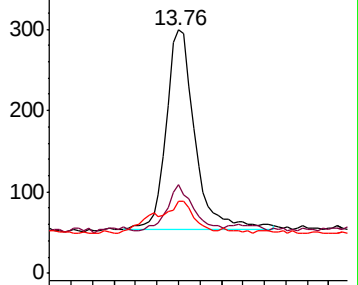
153 29.8 13.1 19.7#



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# 2462

Delta R.T. -0.00 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

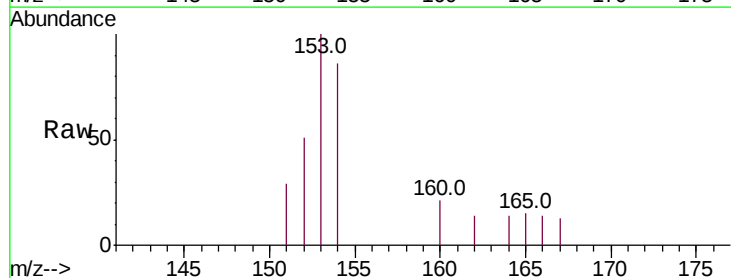
Tgt Ion:153 Resp: 474

Ion Ratio Lower Upper

153 100

152 51.1 40.7 61.1

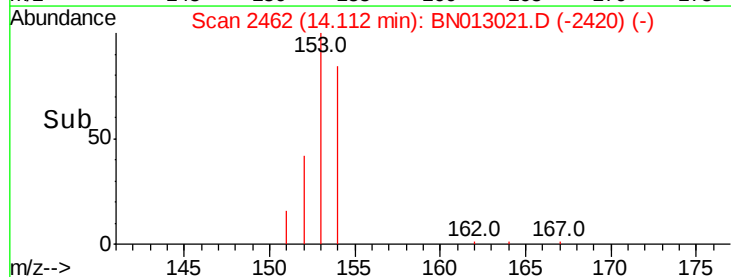
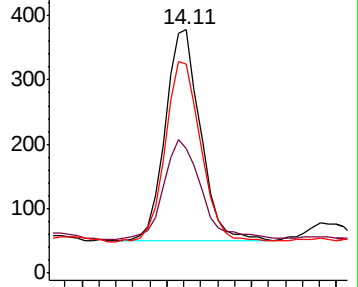
154 85.7 70.8 106.2

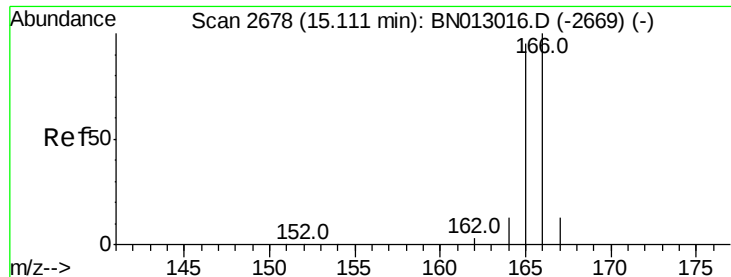


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.071 ng/ul

RT: 15.11 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

Instrument :

BNA_N

ClientSampleId :

C0AW6

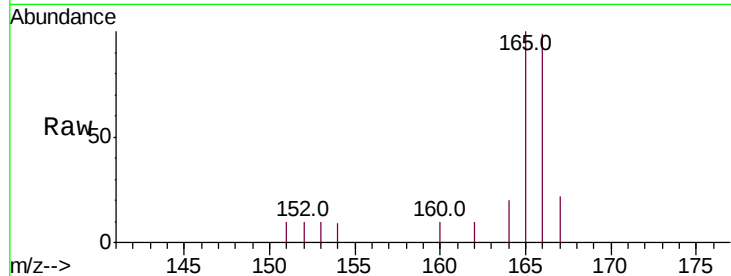
Tot Ion:166 Resp: 721

Ion Ratio Lower Upper

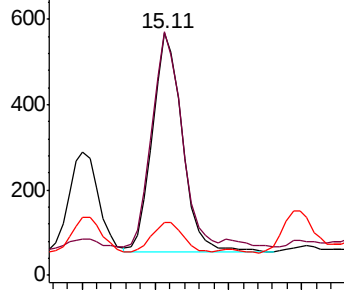
166 100

165 100.5 79.8 119.8

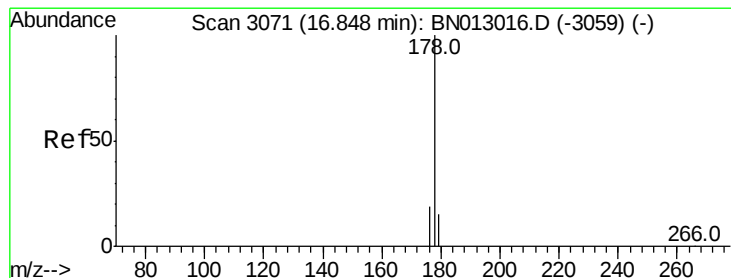
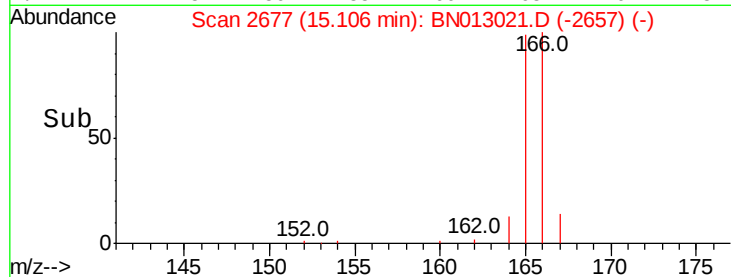
167 21.7 13.8 20.8#



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



Time-->



#12

Phenanthrene

Concen: 0.943 ng/ul

RT: 16.84 min Scan# 3070

Delta R.T. -0.01 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

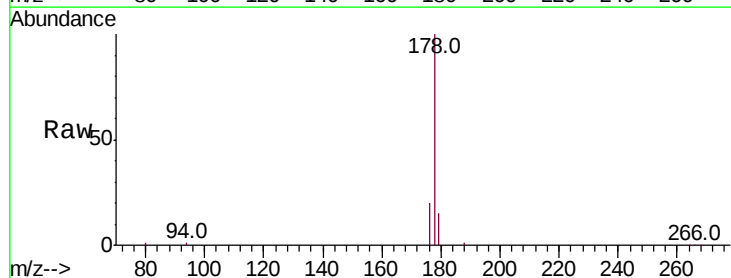
Tgt Ion:178 Resp: 14893

Ion Ratio Lower Upper

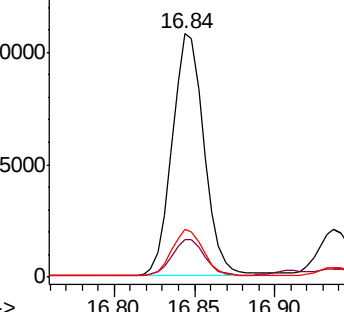
178 100

179 15.4 13.6 20.4

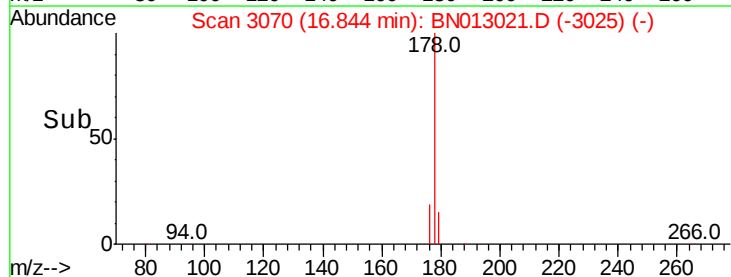
176 19.7 16.4 24.6

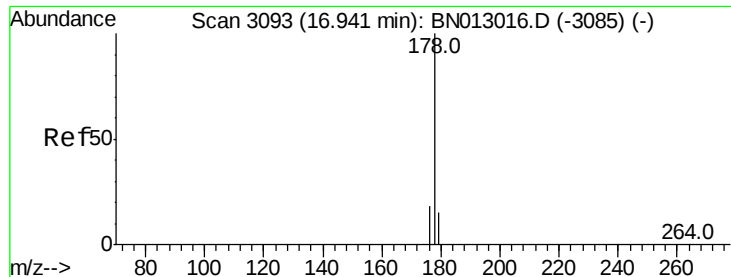


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->

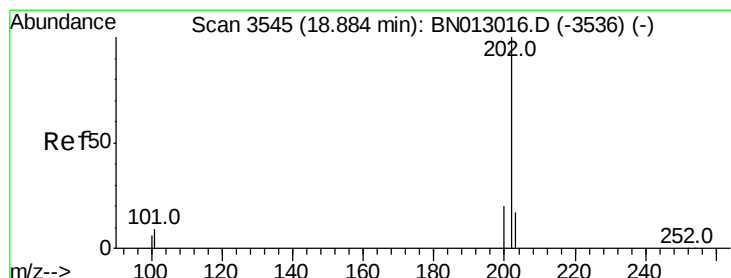
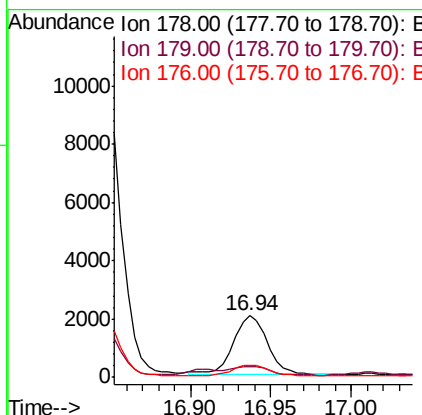
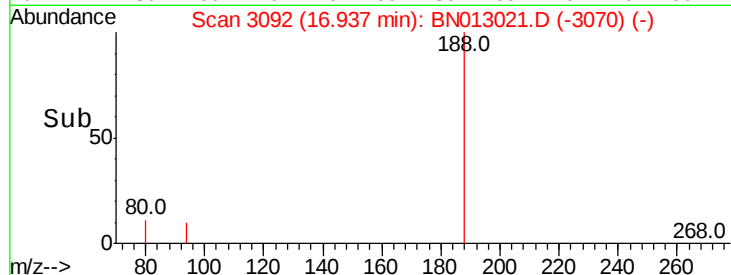
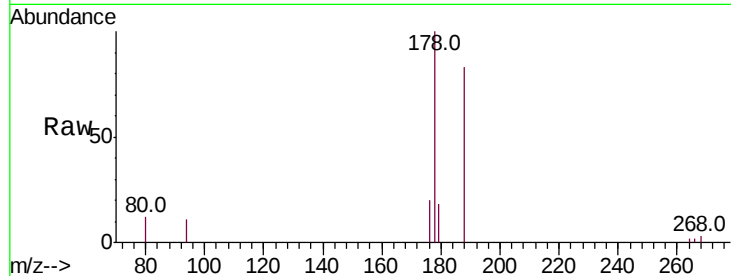




#13
 Anthracene
 Concen: 0.218 ng/ul
 RT: 16.94 min Scan# 3092
 Delta R.T. -0.01 min
 Lab File: BN013021.D
 Acq: 09 Dec 2020 20:44

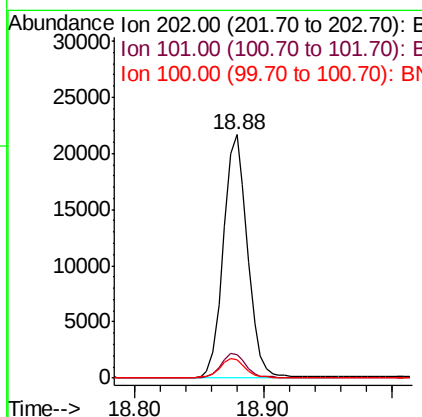
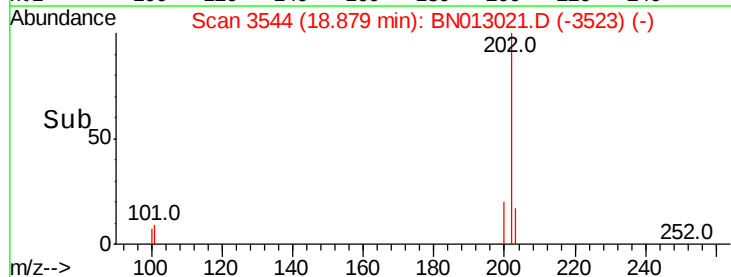
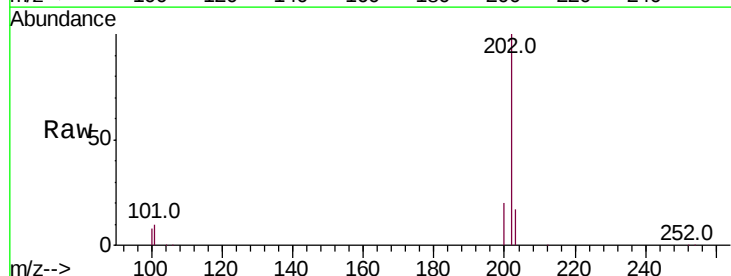
Instrument :
 BNA_N
 ClientSampleId :
 C0AW6

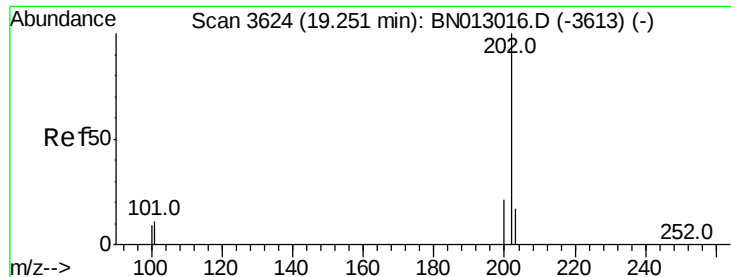
Tot Ion:178 Resp: 2930
 Ion Ratio Lower Upper
 178 100
 179 17.8 14.6 21.8
 176 19.8 17.1 25.7



#15
 Fluoranthene
 Concen: 1.498 ng/ul
 RT: 18.88 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: BN013021.D
 Acq: 09 Dec 2020 20:44

Tgt Ion:202 Resp: 28092
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.6
 100 7.6 0.0 28.7





#17

Pvrene

Concen: 1.695 ng/ul

RT: 19.25 min Scan# 3623

Delta R.T. -0.00 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

Instrument :

BNA_N

ClientSampleId :

C0AW6

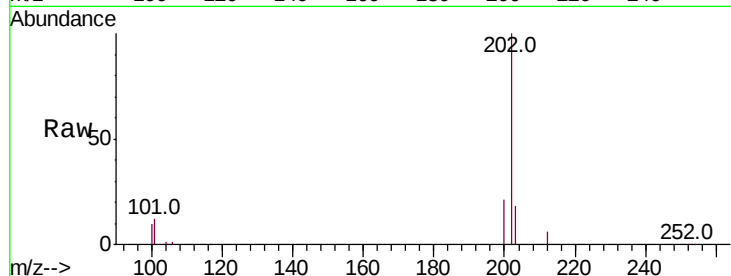
Tot Ion:202 Resp: 26266

Ion Ratio Lower Upper

202 100

101 11.7 9.1 13.7

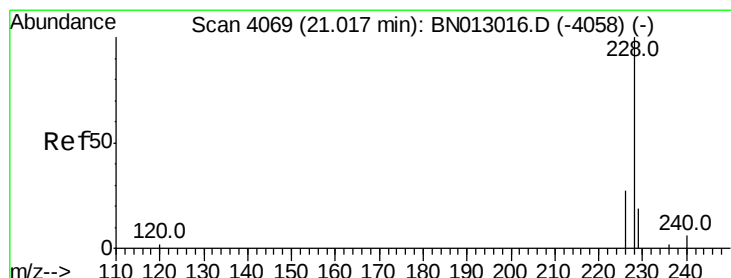
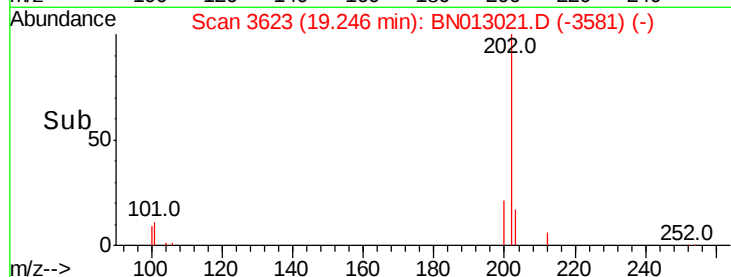
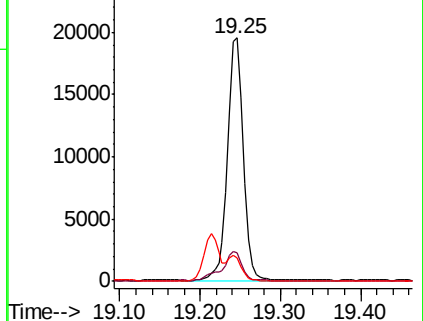
100 9.6 7.5 11.3



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



#18

Benzo(a)anthracene

Concen: 0.801 ng/ul

RT: 21.01 min Scan# 4066

Delta R.T. -0.01 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

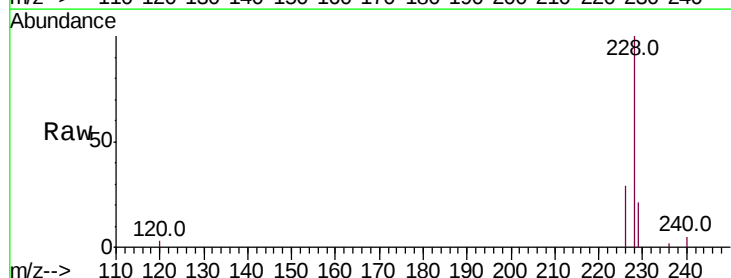
Tgt Ion:228 Resp: 10869

Ion Ratio Lower Upper

228 100

229 21.2 16.3 24.5

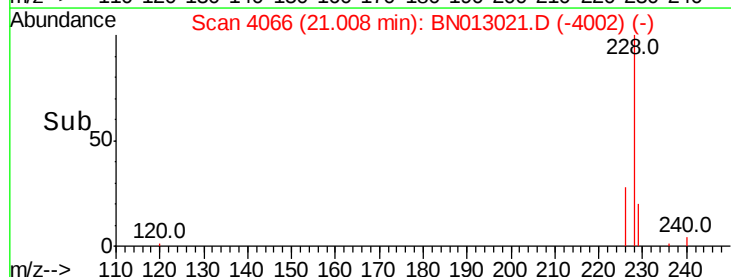
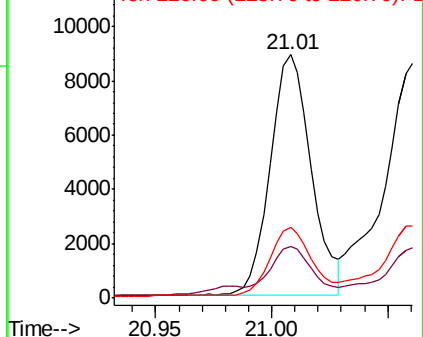
226 29.1 23.4 35.2

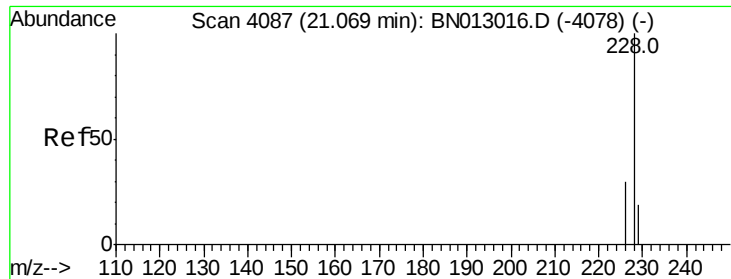


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.827 ng/ul

RT: 21.06 min Scan# 4084

Delta R.T. -0.01 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

Instrument :

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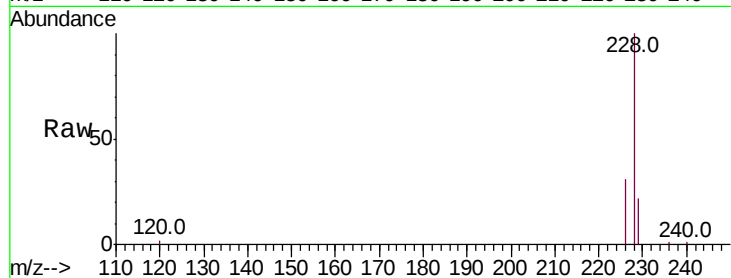
Tot Ion:228 Resp: 12397

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

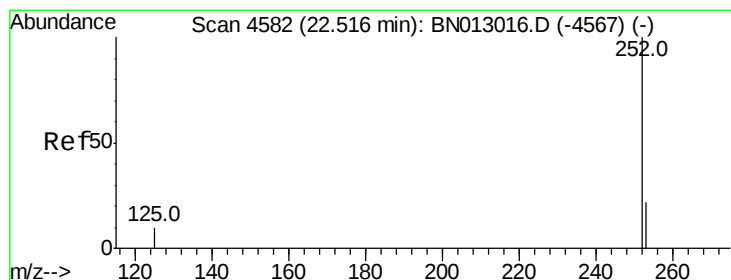
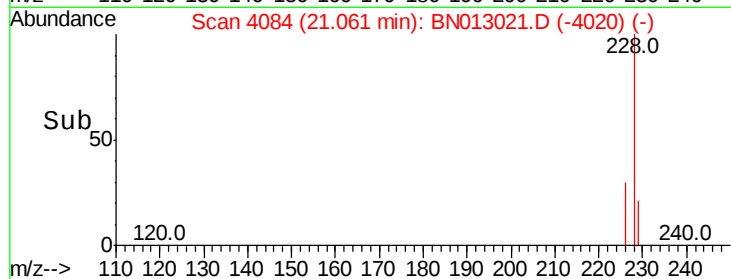
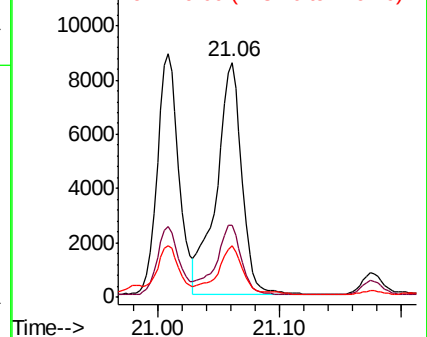
229 21.7 16.4 24.6



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: 1.490 ng/ul

RT: 22.50 min Scan# 4578

Delta R.T. -0.01 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

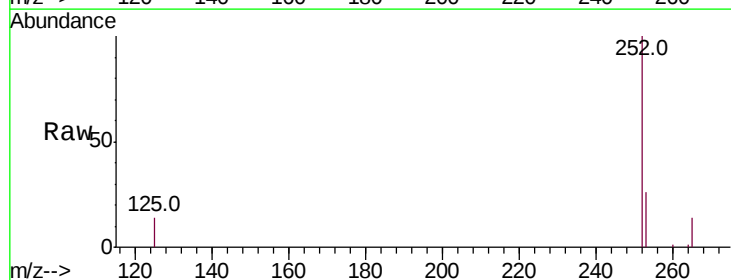
Tgt Ion:252 Resp: 20958

Ion Ratio Lower Upper

252 100

253 25.8 0.0 59.6

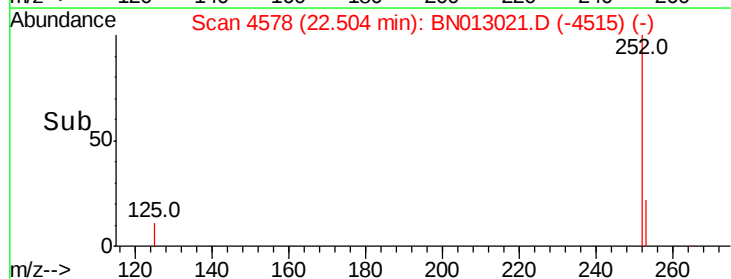
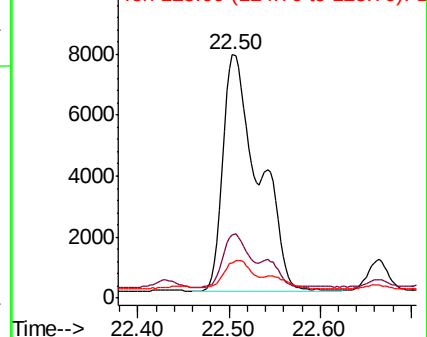
125 14.4 0.0 26.0

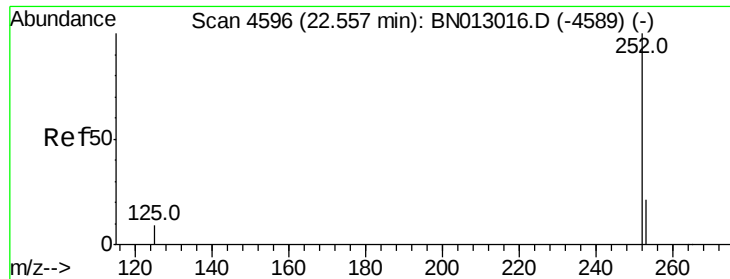


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.348 ng/ul

RT: 22.50 min Scan# 4578

Delta R.T. -0.06 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

Instrument :

BNA_N

ClientSampleId :

C0AW6

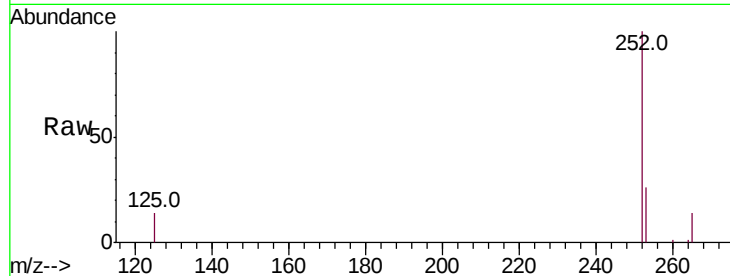
Tot Ion:252 Resp: 20958

Ion Ratio Lower Upper

252 100

253 25.8 23.4 35.2

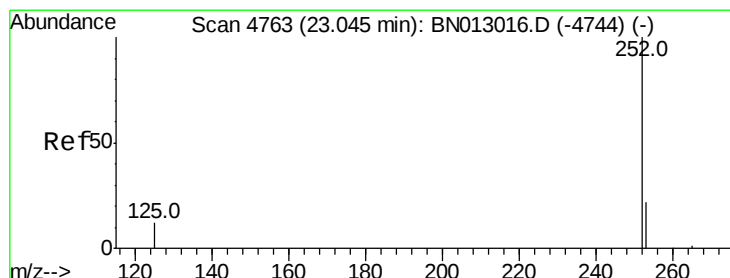
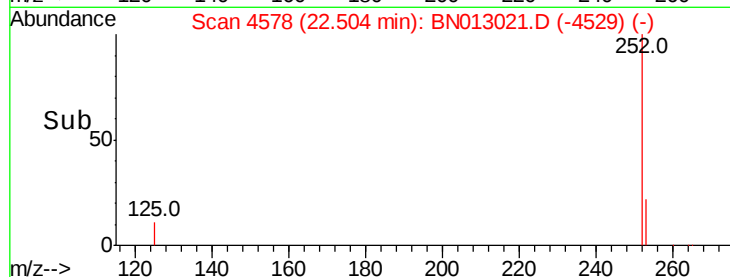
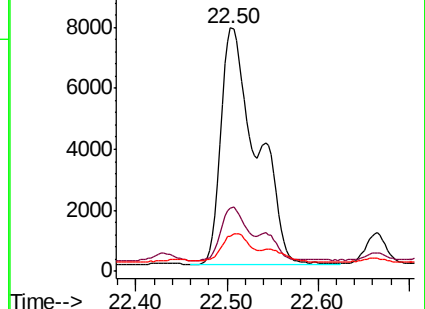
125 14.4 11.1 16.7



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: 0.749 ng/ul

RT: 23.03 min Scan# 4758

Delta R.T. -0.01 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

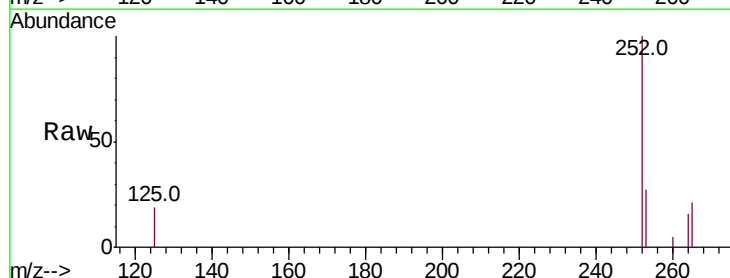
Tgt Ion:252 Resp: 9780

Ion Ratio Lower Upper

252 100

253 27.4 26.5 39.7

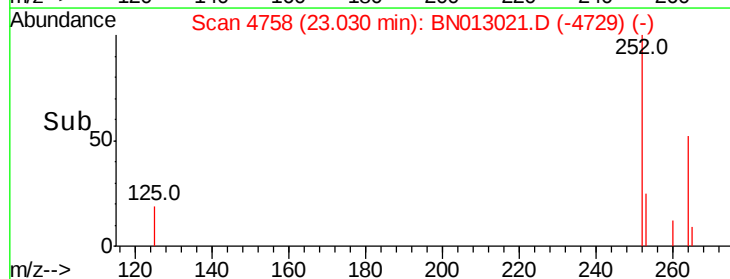
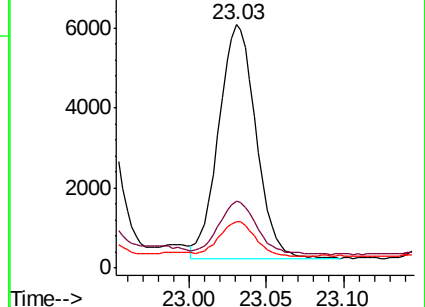
125 19.1 14.2 21.2

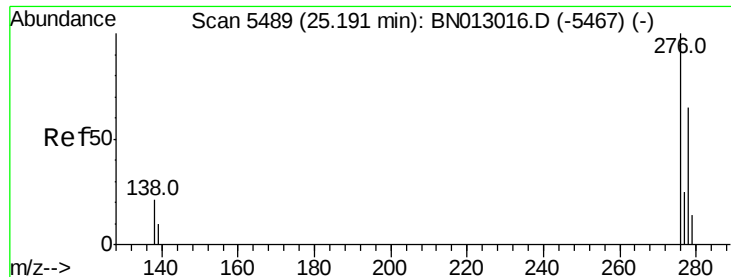


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



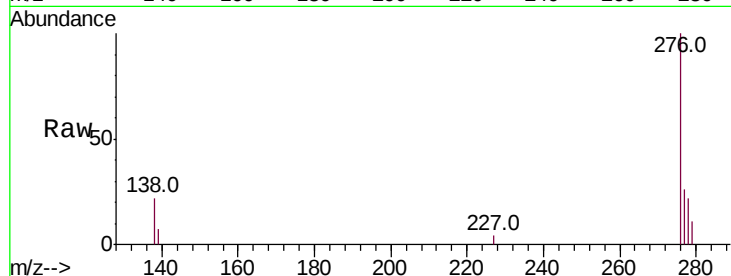


#24

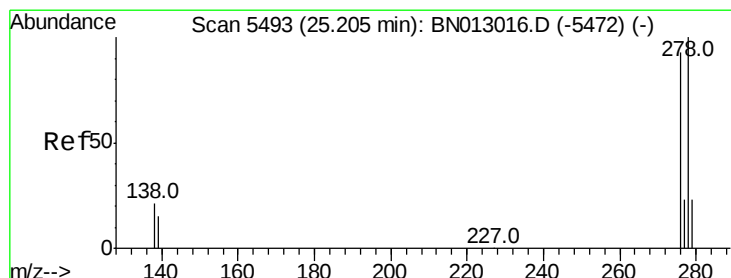
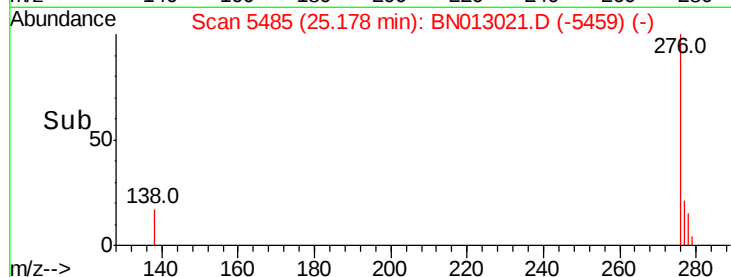
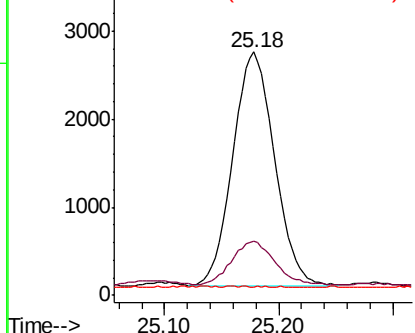
Indeno(1,2,3-cd)pyrene
Concen: 0.390 ng/ul
RT: 25.18 min Scan# 5485
Delta R.T. -0.01 min
Lab File: BN013021.D
Acq: 09 Dec 2020 20:44

Instrument :
BNA_N
ClientSampleId :
C0AW6

Tot Ion:276 Resp: 6691
Ion Ratio Lower Upper
276 100
138 19.4 16.2 24.2
227 0.1 0.0 0.0#



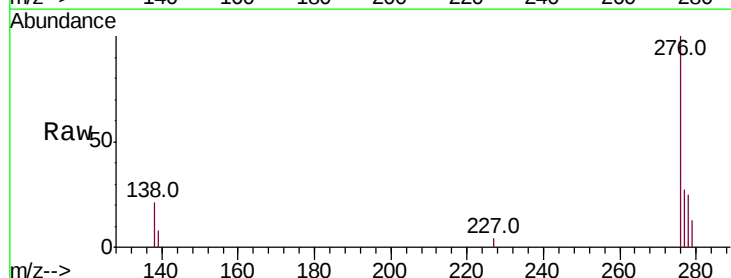
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



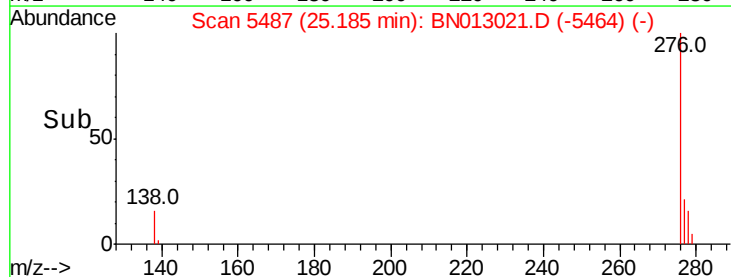
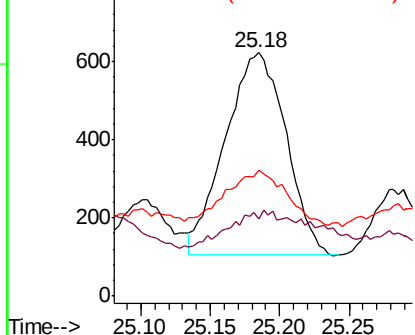
#25

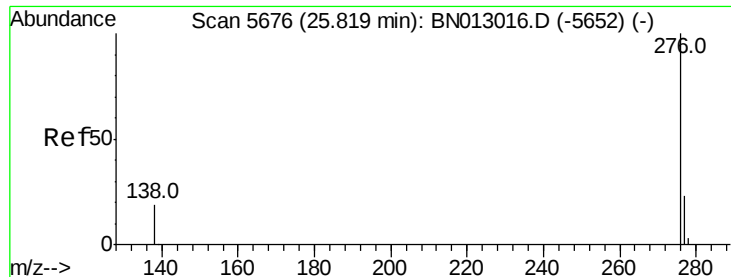
Dibenzo(a,h)anthracene
Concen: 0.116 ng/ul
RT: 25.18 min Scan# 5487
Delta R.T. -0.02 min
Lab File: BN013021.D
Acq: 09 Dec 2020 20:44

Tgt Ion:278 Resp: 1574
Ion Ratio Lower Upper
278 100
139 31.5 14.5 21.7#
279 51.8 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: 0.376 ng/ul

RT: 25.81 min Scan# 5672

Delta R.T. -0.02 min

Lab File: BN013021.D

Acq: 09 Dec 2020 20:44

Instrument :

BNA_N

ClientSampleId :

C0AW6

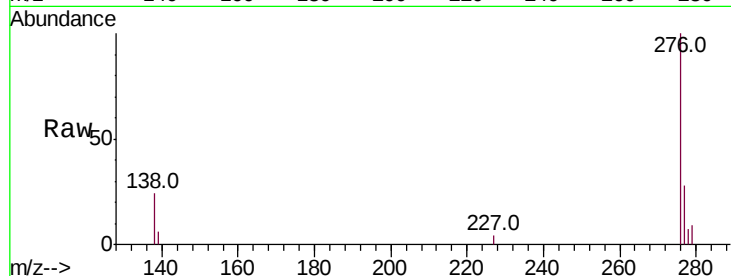
Tot Ion:276 Resp: 5826

Ion Ratio Lower Upper

276 100

138 23.9 16.3 24.5

277 27.9 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

