

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012983.D
 Acq On : 08 Dec 2020 19:41
 Operator : CG/JU
 Sample : L4862-02DL 5X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AZ1DL

Quant Time: Dec 09 00:14:30 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 : Wed Dec 09 00:11:42 2020
 Response via : Initial Calibration

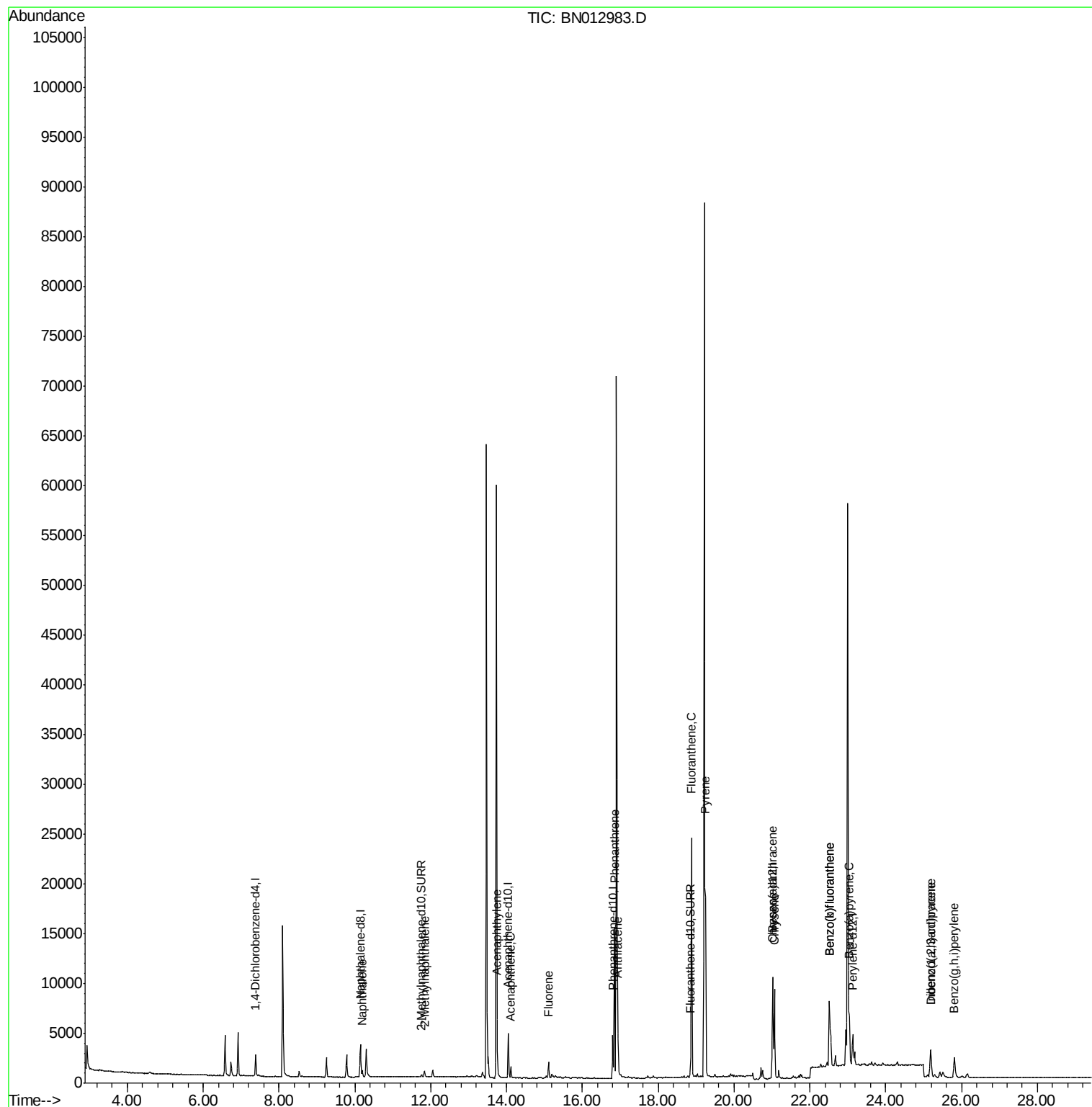
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1078	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	4353	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	2402	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	4999	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	3821	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	3489	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	385	0.06	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	751	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	937	0.074	ng/ul#	92
5) 2-Methylnaphthalene	11.84	142	595	0.072	ng/ul	99
7) Acenaphthylene	13.76	152	461	0.041	ng/ul#	79
8) Acenaphthene	14.11	153	684	0.073	ng/ul	99
9) Fluorene	15.11	166	1031	0.096	ng/ul	97
12) Phenanthrene	16.85	178	15335	0.915	ng/ul	97
13) Anthracene	16.94	178	3127	0.219	ng/ul	98
15) Fluoranthene	18.88	202	20503	1.029	ng/ul	97
17) Pyrene	19.25	202	18055	1.000	ng/ul	99
18) Benzo(a)anthracene	21.01	228	8108	0.513	ng/ul	99
19) Chrysene	21.07	228	8742	0.500	ng/ul	98
21) Benzo(b)fluoranthene	22.51	252	13762	0.853	ng/ul	95
22) Benzo(k)fluoranthene	22.51	252	13762	0.771	ng/ul	97
23) Benzo(a)pyrene	23.04	252	6714	0.448	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.18	276	4136	0.210	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.19	278	1093	0.070	ng/ul#	66
26) Benzo(a,h,i)perylene	25.81	276	3981	0.224	ng/ul	98

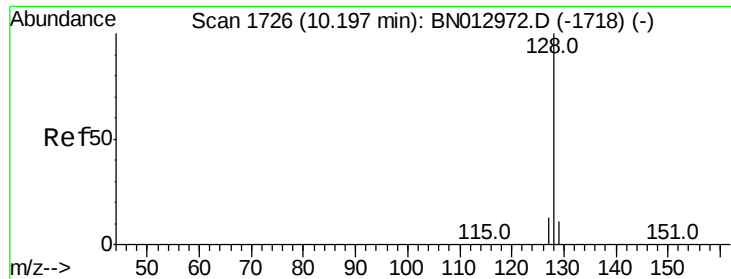
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.074 ng/ul

RT: 10.20 min Scan# 1726

Delta R.T. -0.01 min

Lab File: BN012983.D

Acq: 08 Dec 2020 19:41

Instrument :

BNA_N

ClientSampleId :

C0AZ1DL

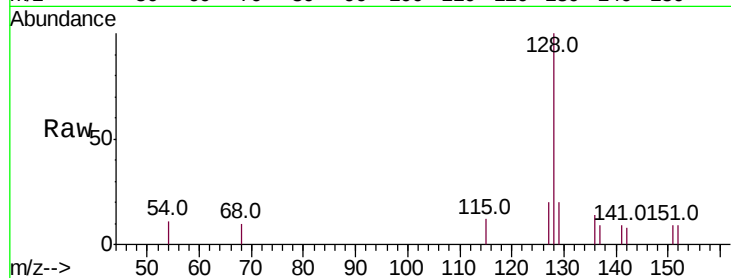
Tot Ion:128 Resp: 937

Ion Ratio Lower Upper

128 100

129 20.5 12.3 18.5#

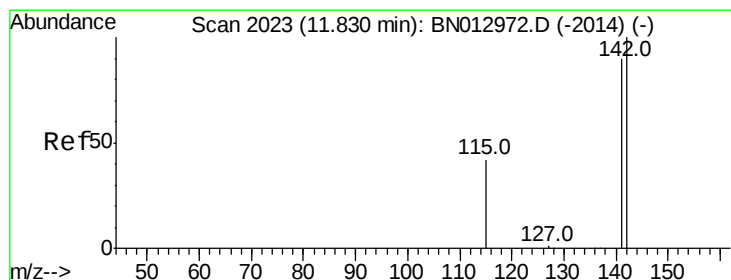
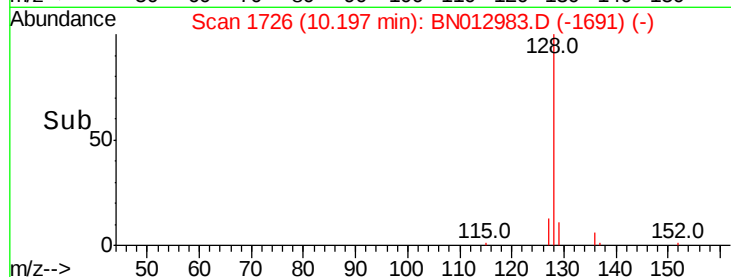
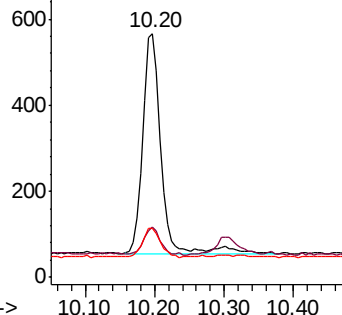
127 20.1 14.2 21.4



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: 0.072 ng/ul

RT: 11.84 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BN012983.D

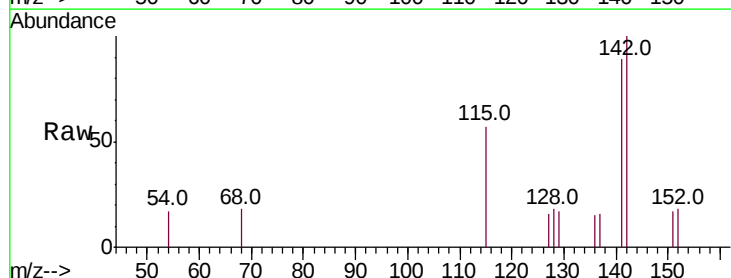
Acq: 08 Dec 2020 19:41

Tgt Ion:142 Resp: 595

Ion Ratio Lower Upper

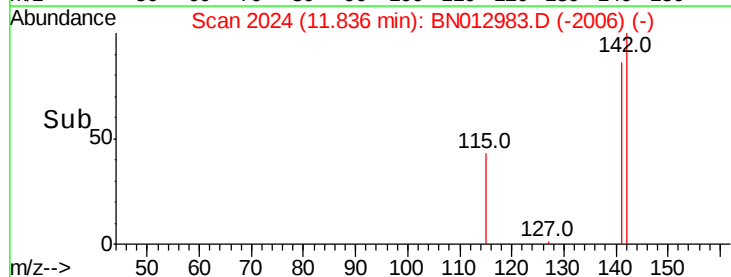
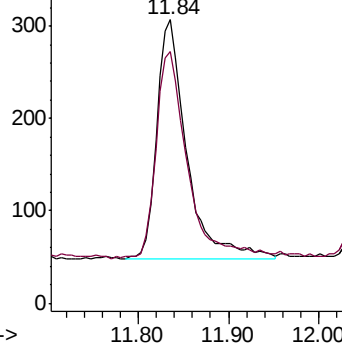
142 100

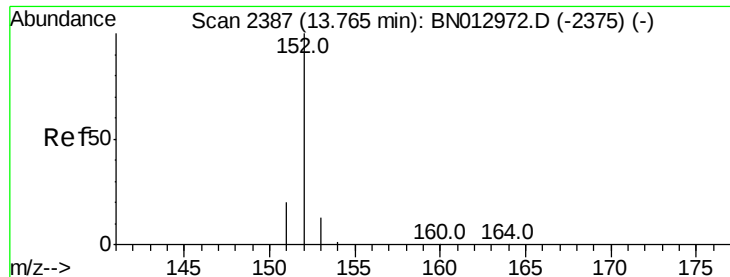
141 91.9 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.041 ng/ul

RT: 13.76 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BN012983.D

Acq: 08 Dec 2020 19:41

Instrument :

BNA_N

ClientSampleId :

C0AZ1DL

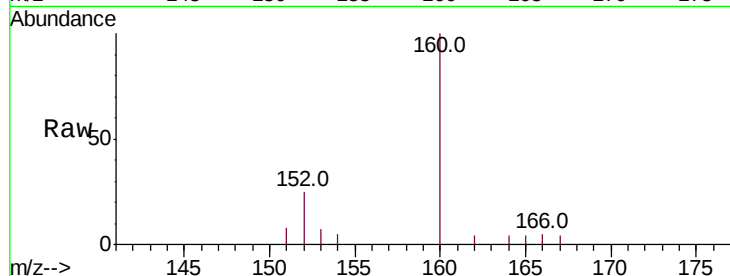
Tot Ion:152 Resp: 461

Ion Ratio Lower Upper

152 100

151 31.5 18.2 27.4#

153 26.8 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

13.76

300

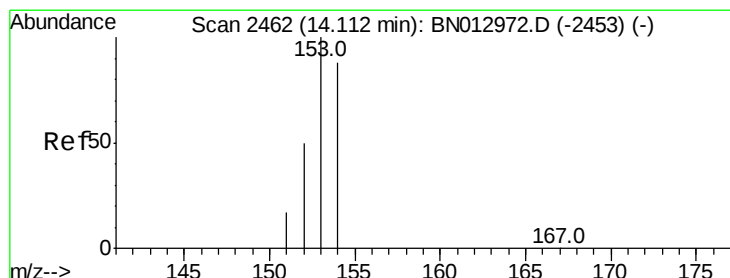
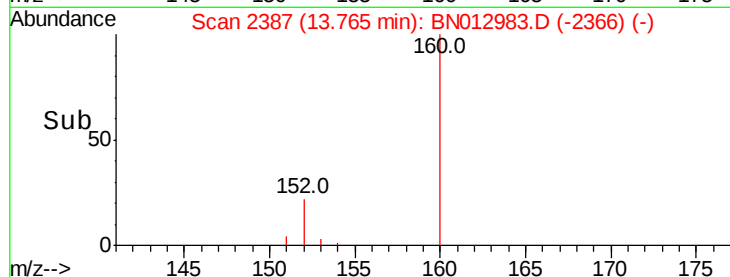
200

100

0

Time-->

13.70 13.80 13.90



#8

Acenaphthene

Concen: 0.073 ng/ul

RT: 14.11 min Scan# 2462

Delta R.T. -0.00 min

Lab File: BN012983.D

Acq: 08 Dec 2020 19:41

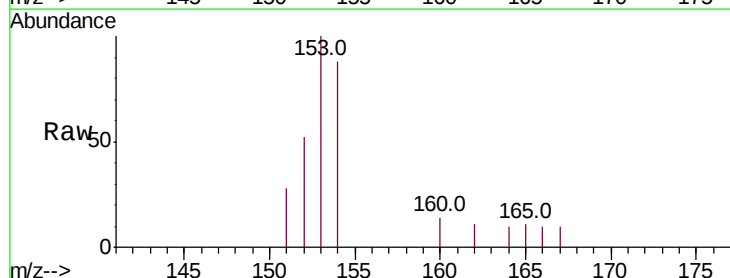
Tgt Ion:153 Resp: 684

Ion Ratio Lower Upper

153 100

152 51.9 40.7 61.1

154 88.3 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

14.11

600

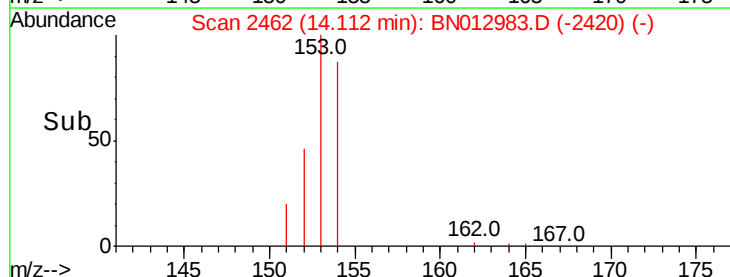
400

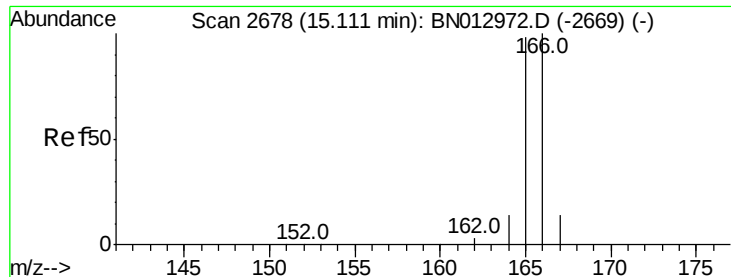
200

0

Time-->

14.05 14.10 14.15 14.20

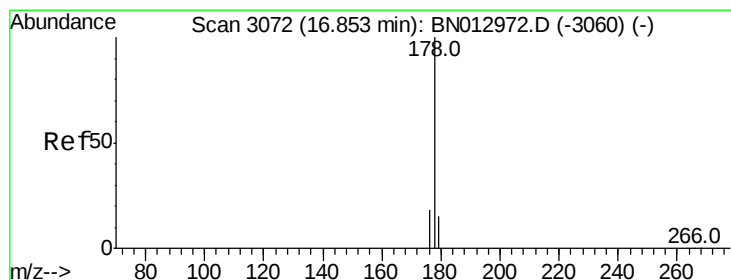
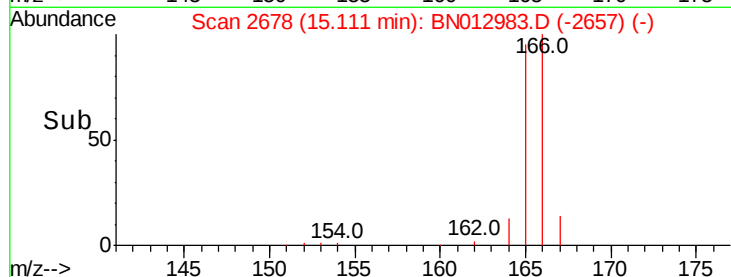
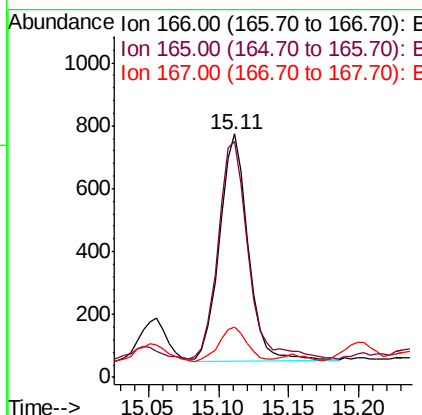
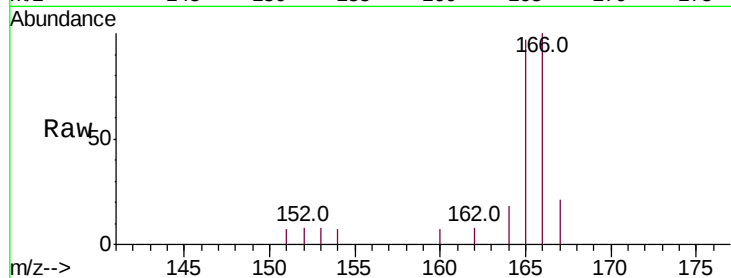




#9
Fluorene
 Concen: 0.096 ng/ul
 RT: 15.11 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: BN012983.D
 Acq: 08 Dec 2020 19:41

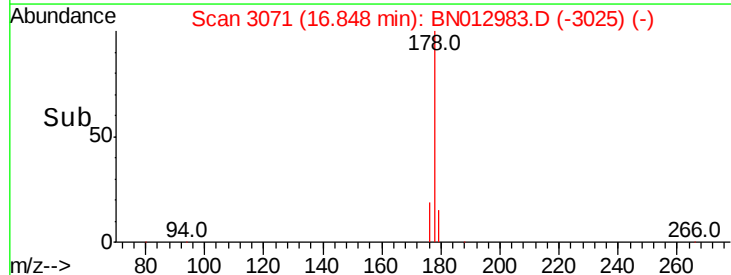
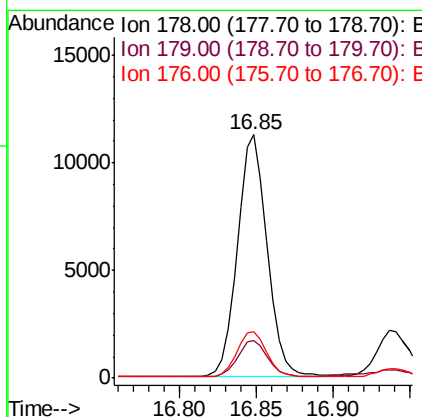
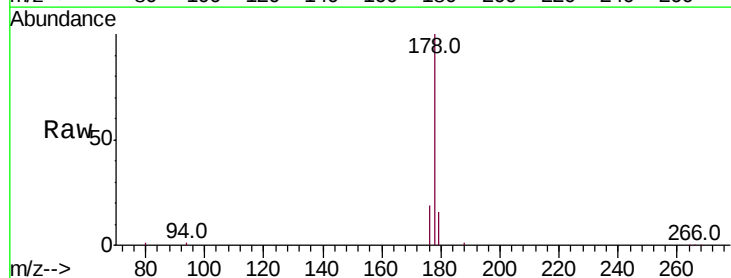
Instrument :
 BNA_N
 ClientSampleId :
 C0AZ1DL

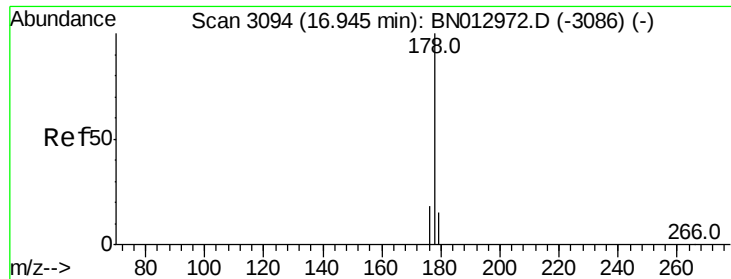
Tot Ion:166 Resp: 1031
 Ion Ratio Lower Upper
 166 100
 165 97.2 79.8 119.8
 167 20.7 13.8 20.8



#12
Phenanthrene
 Concen: 0.915 ng/ul
 RT: 16.85 min Scan# 3071
 Delta R.T. -0.00 min
 Lab File: BN012983.D
 Acq: 08 Dec 2020 19:41

Tgt Ion:178 Resp: 15335
 Ion Ratio Lower Upper
 178 100
 179 15.7 13.6 20.4
 176 19.3 16.4 24.6





#13

Anthracene

Concen: 0.219 ng/ul

RT: 16.94 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BN012983.D

Acq: 08 Dec 2020 19:41

Instrument :

BNA_N

ClientSampleId :

C0AZ1DL

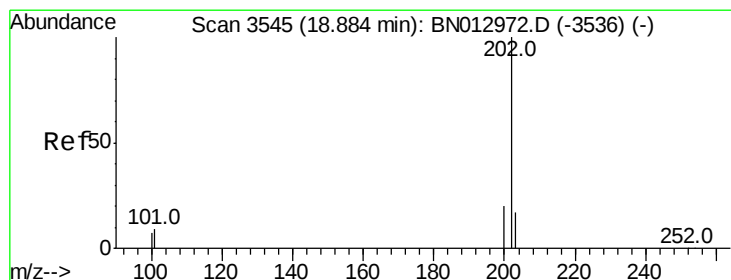
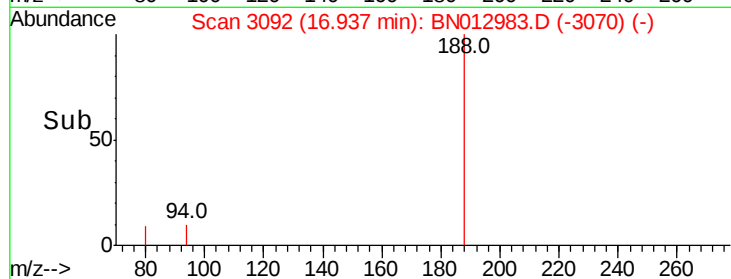
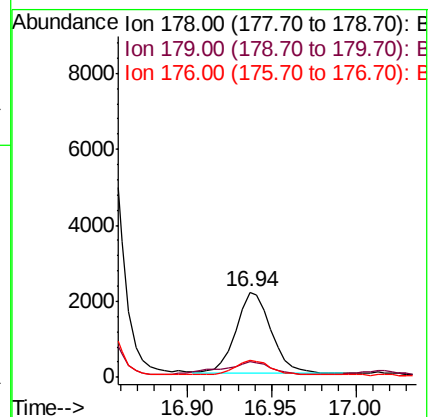
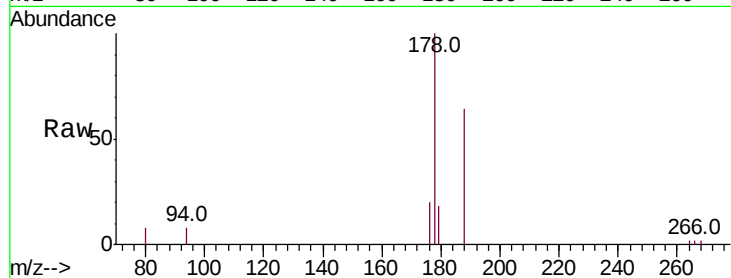
Tot Ion:178 Resp: 3127

Ion Ratio Lower Upper

178 100

179 18.0 14.6 21.8

176 19.6 17.1 25.7



#15

Fluoranthene

Concen: 1.029 ng/ul

RT: 18.88 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BN012983.D

Acq: 08 Dec 2020 19:41

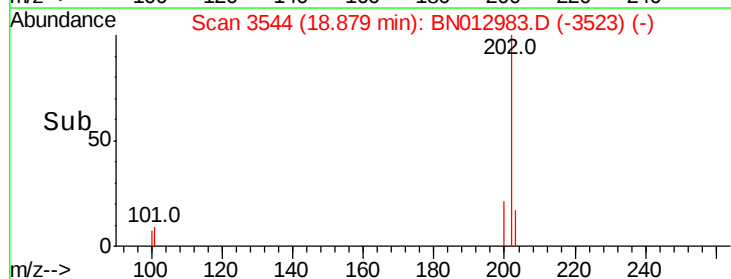
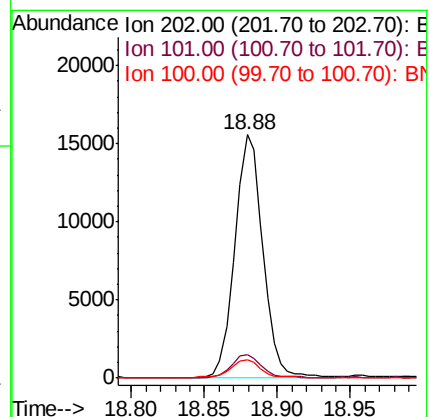
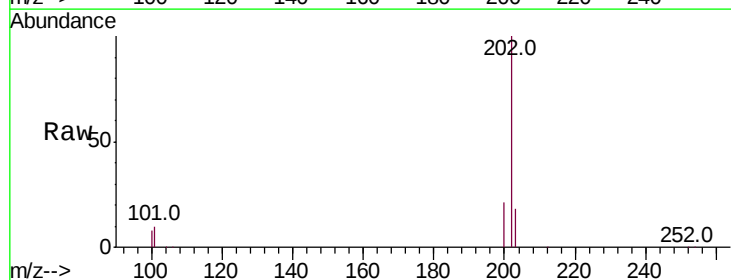
Tgt Ion:202 Resp: 20503

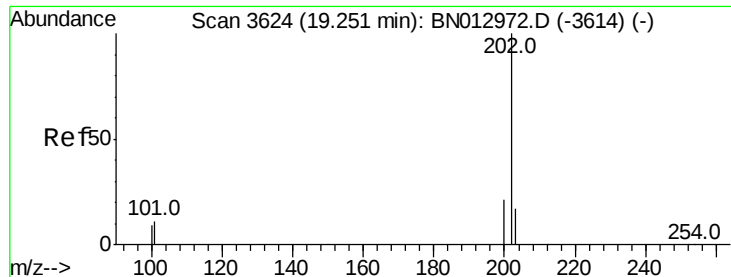
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.6

100 7.8 0.0 28.7

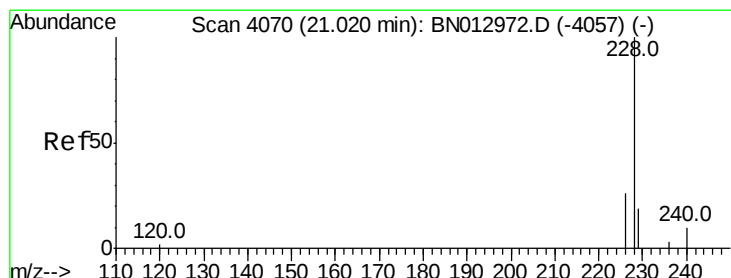
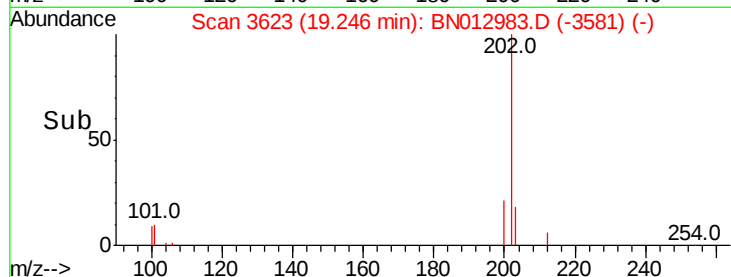
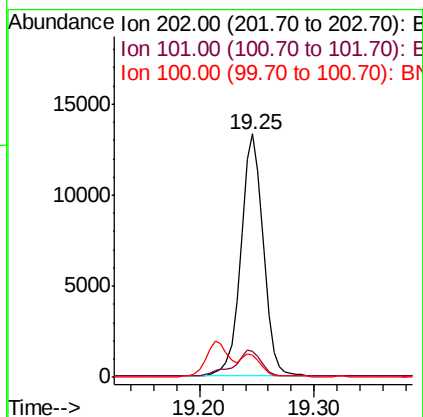
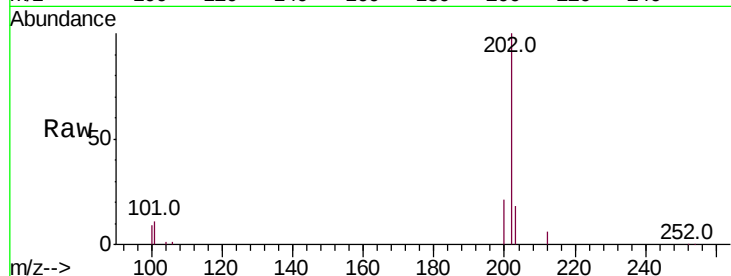




#17
Pvrene
Concen: 1.000 ng/ul
RT: 19.25 min Scan# 3623
Delta R.T. -0.00 min
Lab File: BN012983.D
Acq: 08 Dec 2020 19:41

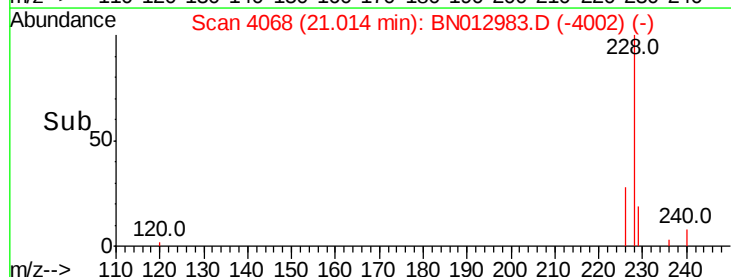
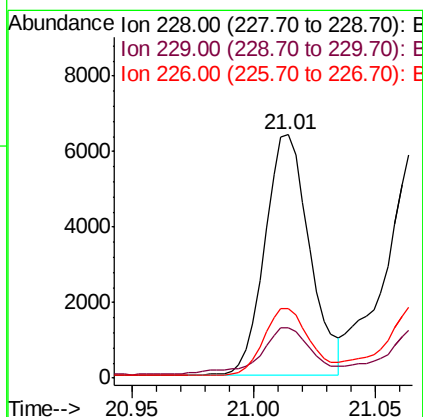
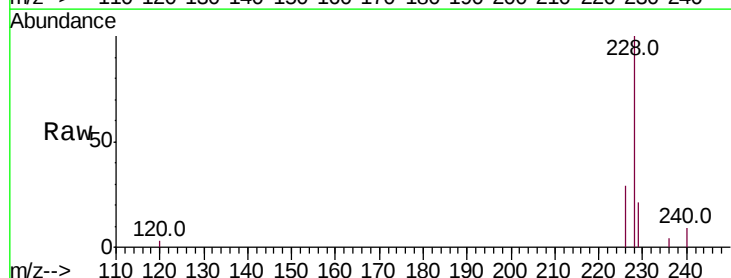
Instrument :
BNA_N
ClientSampleId :
C0AZ1DL

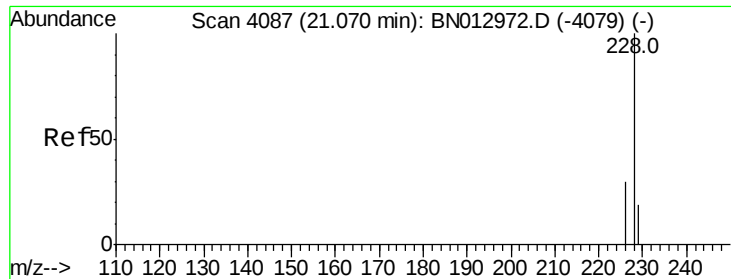
Tot Ion:202 Resp: 18055
Ion Ratio Lower Upper
202 100
101 10.8 9.1 13.7
100 9.3 7.5 11.3



#18
Benzo(a)anthracene
Concen: 0.513 ng/ul
RT: 21.01 min Scan# 4068
Delta R.T. -0.01 min
Lab File: BN012983.D
Acq: 08 Dec 2020 19:41

Tgt Ion:228 Resp: 8108
Ion Ratio Lower Upper
228 100
229 20.7 16.3 24.5
226 28.5 23.4 35.2





#19

Chrysene

Concen: 0.500 ng/ul

RT: 21.07 min Scan# 4086

Delta R.T. -0.01 min

Lab File: BN012983.D

Acq: 08 Dec 2020 19:41

Instrument :

BNA_N

ClientSampleId :

C0AZ1DL

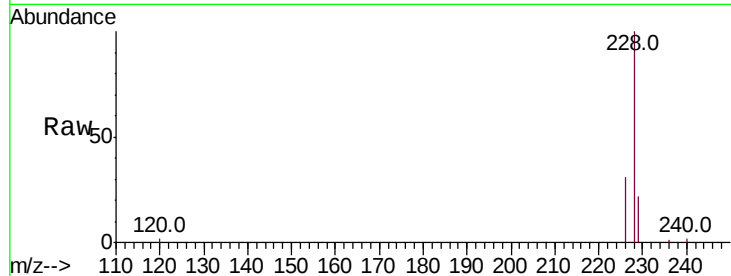
Tot Ion:228 Resp: 8742

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

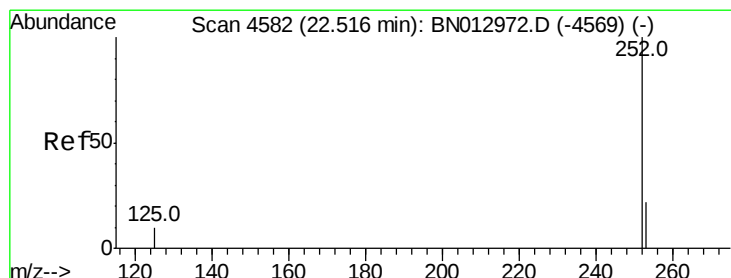
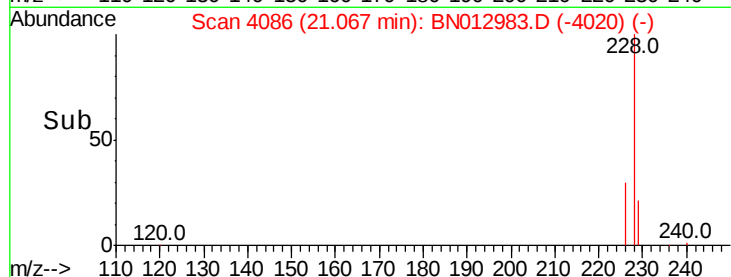
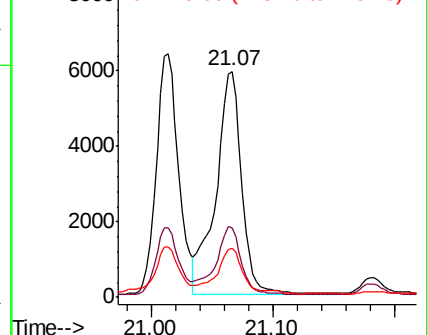
229 22.0 16.4 24.6



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: 0.853 ng/ul

RT: 22.51 min Scan# 4581

Delta R.T. -0.01 min

Lab File: BN012983.D

Acq: 08 Dec 2020 19:41

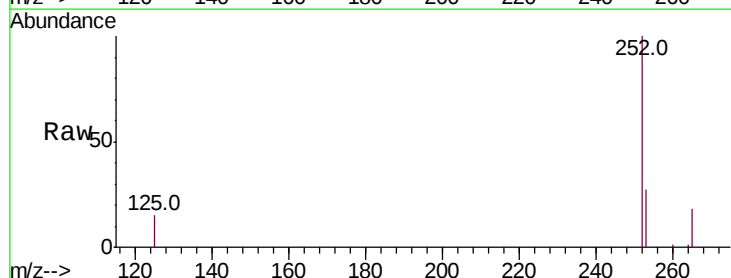
Tgt Ion:252 Resp: 13762

Ion Ratio Lower Upper

252 100

253 27.0 0.0 59.6

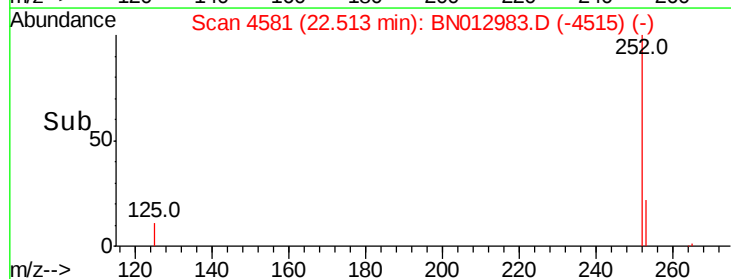
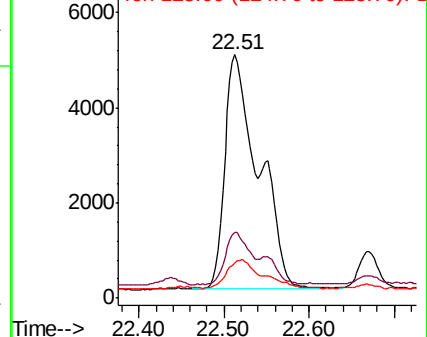
125 14.5 0.0 26.0

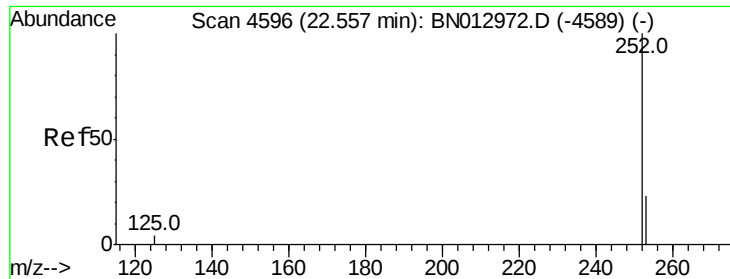


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.771 ng/ul

RT: 22.51 min Scan# 4581

Delta R.T. -0.05 min

Lab File: BN012983.D

Acq: 08 Dec 2020 19:41

Instrument :

BNA_N

ClientSampleId :

C0AZ1DL

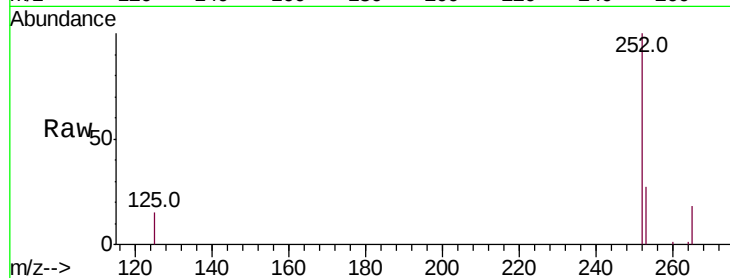
Tot Ion:252 Resp: 13762

Ion Ratio Lower Upper

252 100

253 27.0 23.4 35.2

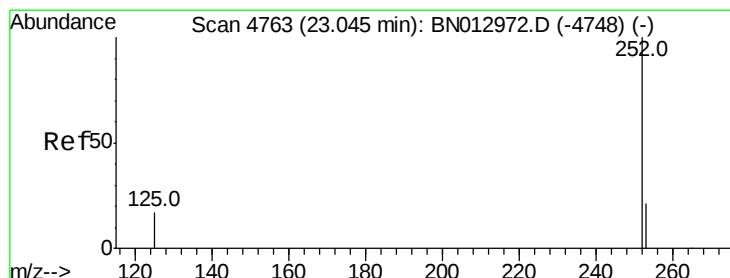
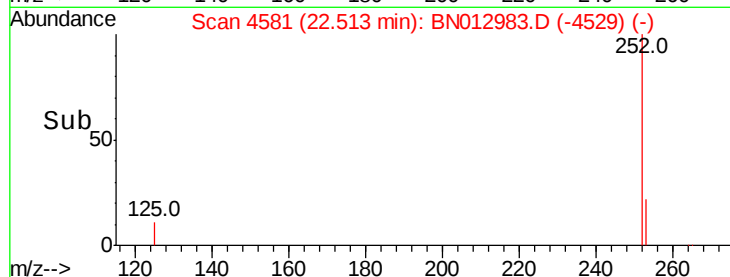
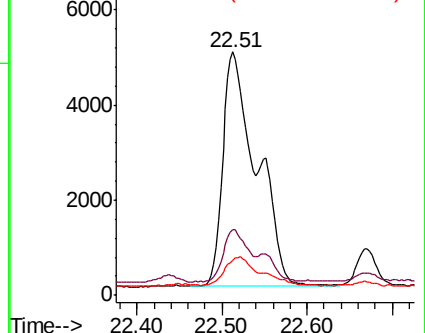
125 14.5 11.1 16.7



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: 0.448 ng/ul

RT: 23.04 min Scan# 4761

Delta R.T. -0.01 min

Lab File: BN012983.D

Acq: 08 Dec 2020 19:41

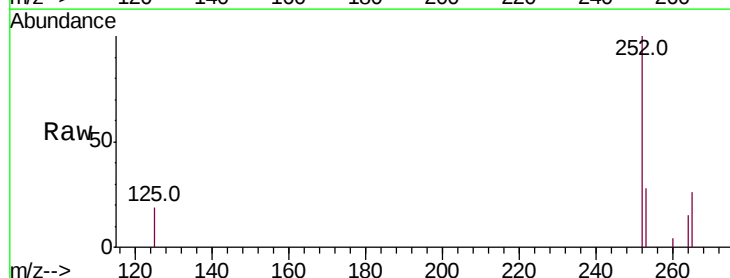
Tgt Ion:252 Resp: 6714

Ion Ratio Lower Upper

252 100

253 27.8 26.5 39.7

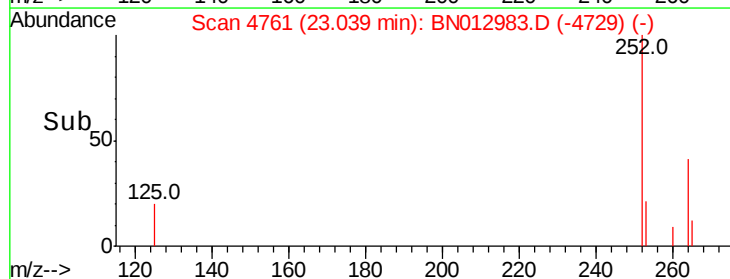
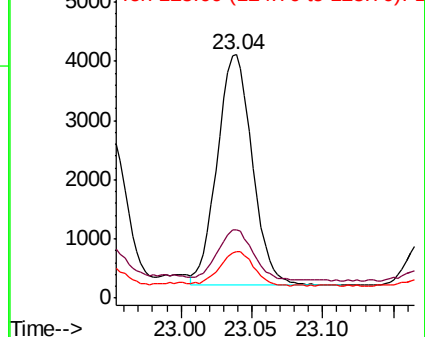
125 19.1 14.2 21.2

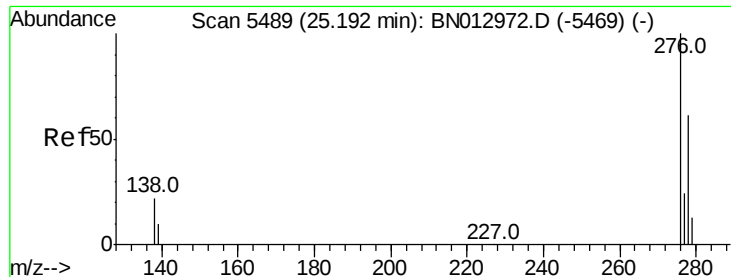


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



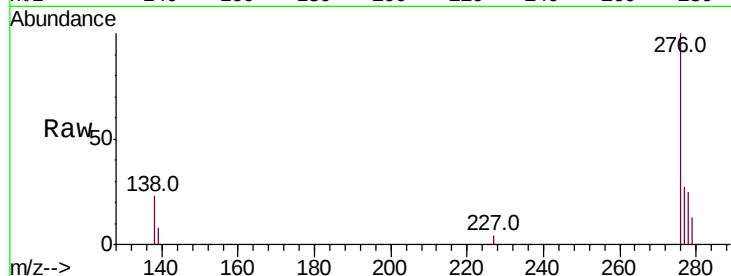


#24

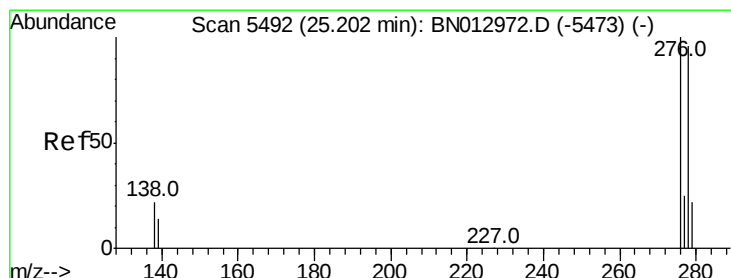
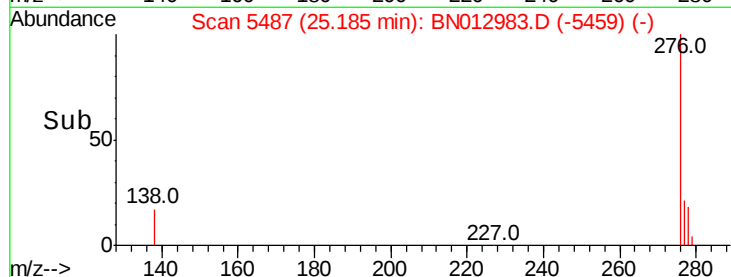
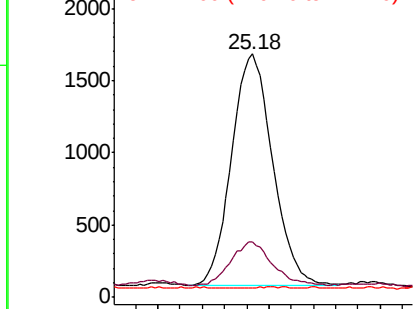
Indeno(1,2,3-cd)pyrene
Concen: 0.210 ng/u1
RT: 25.18 min Scan# 5487
Delta R.T. -0.01 min
Lab File: BN012983.D
Acq: 08 Dec 2020 19:41

Instrument :
BNA_N
ClientSampleId :
C0AZ1DL

Tot Ion:276 Resp: 4136
Ion Ratio Lower Upper
276 100
138 18.6 16.2 24.2
227 0.1 0.0 0.0#



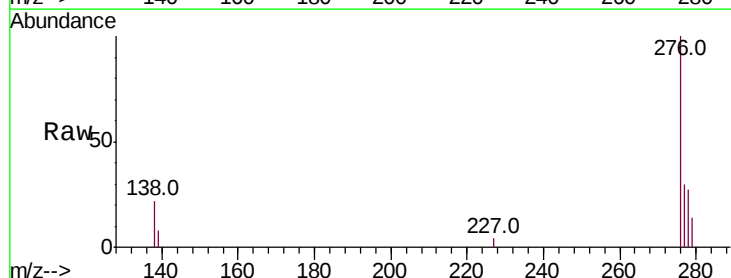
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



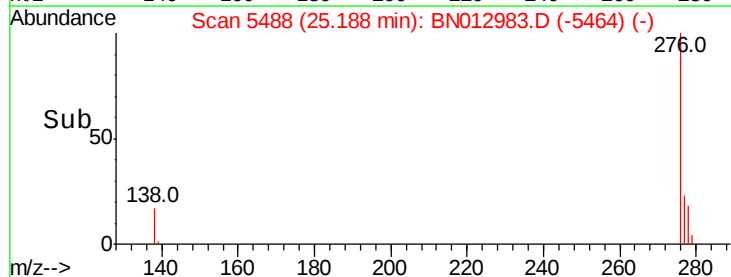
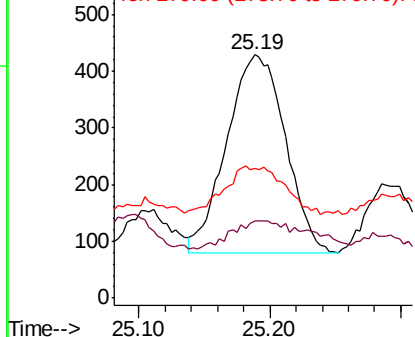
#25

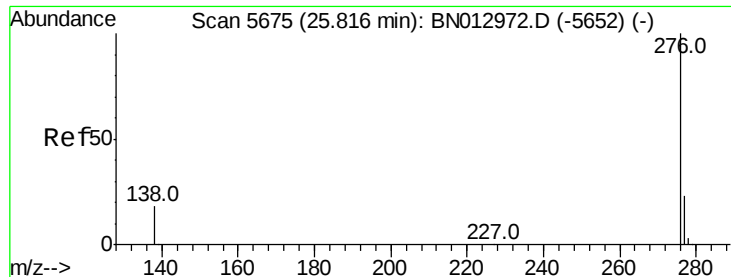
Dibenzo(a,h)anthracene
Concen: 0.070 ng/u1
RT: 25.19 min Scan# 5488
Delta R.T. -0.02 min
Lab File: BN012983.D
Acq: 08 Dec 2020 19:41

Tgt Ion:278 Resp: 1093
Ion Ratio Lower Upper
278 100
139 31.7 14.5 21.7#
279 53.1 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: 0.224 ng/ul

RT: 25.81 min Scan# 5674

Delta R.T. -0.01 min

Lab File: BN012983.D

Acq: 08 Dec 2020 19:41

Instrument :

BNA_N

ClientSampleId :

C0AZ1DL

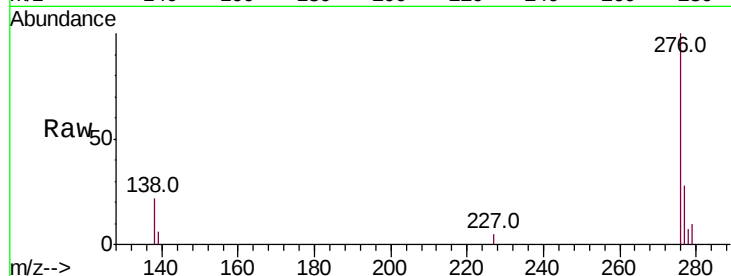
Tot Ion:276 Resp: 3981

Ion Ratio Lower Upper

276 100

138 21.5 16.3 24.5

277 27.7 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

