

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
 Data File : BN012682.D
 Acq On : 21 Nov 2020 12:25
 Operator : CG/JU
 Sample : L4710-06DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AX2DL

Quant Time: Nov 23 01:24:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 23 01:22:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	1033	0.40	ng/ul	0.00
2) Naphthalene-d8	10.21	136	4247	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.10	164	2397	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	5004	0.40	ng/ul	0.00
16) Chrysene-d12	21.06	240	4421	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	4468	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.82	152	190	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.89	212	410	0.03	ng/ul	0.00

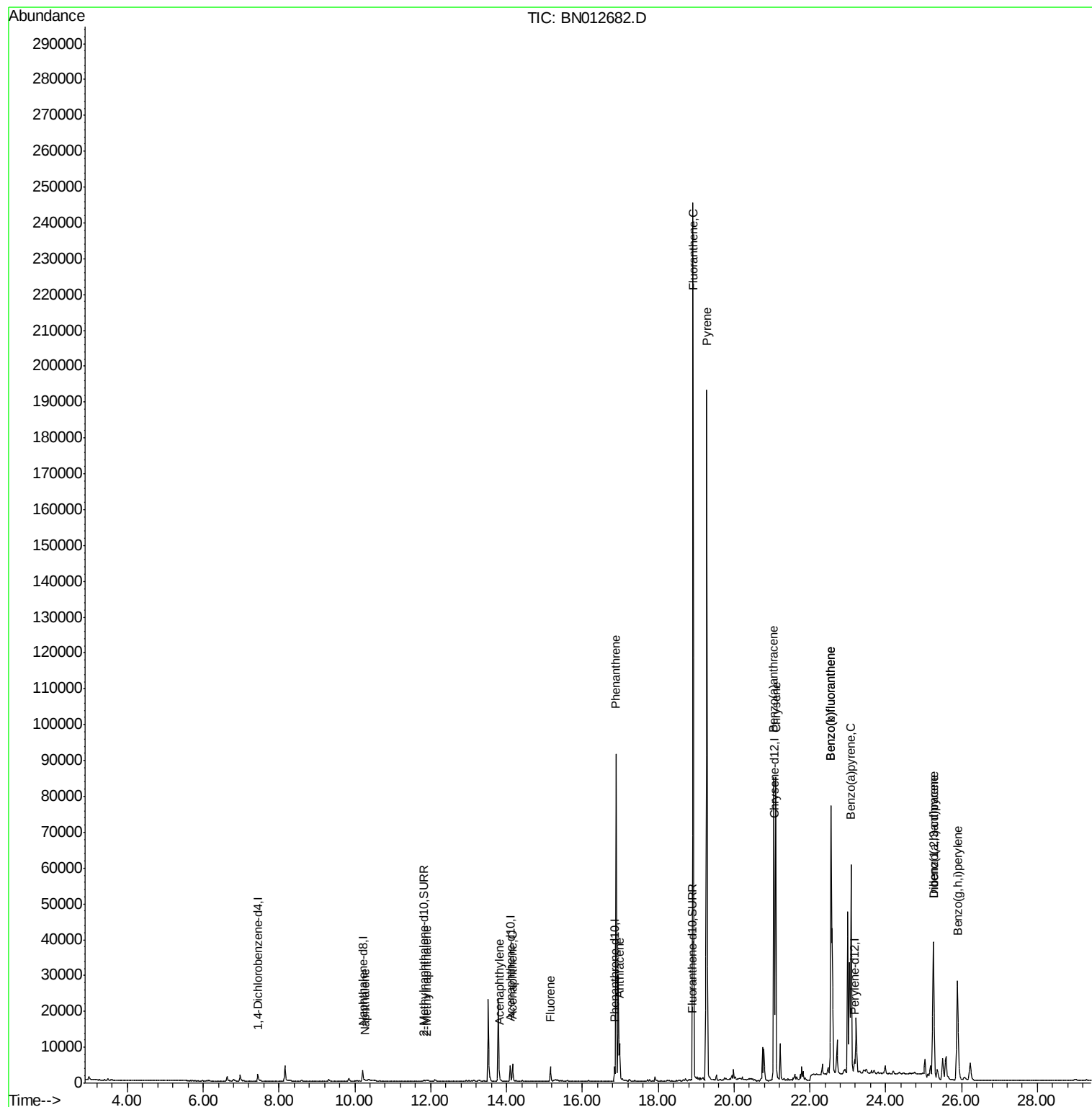
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.26	128	433	0.034	ng/ul#	72
5) 2-Methylnaphthalene	11.90	142	242	0.030	ng/ul	91
7) Acenaphthylene	13.82	152	591	0.051	ng/ul#	81
8) Acenaphthene	14.16	153	2828	0.287	ng/ul	99
9) Fluorene	15.16	166	2640	0.244	ng/ul	99
12) Phenanthrene	16.89	178	96050	5.516	ng/ul	96
13) Anthracene	16.98	178	10295	0.680	ng/ul	96
15) Fluoranthene	18.92	202	200569	9.977	ng/ul	98
17) Pyrene	19.28	202	164309	8.309	ng/ul	97
18) Benzo(a)anthracene	21.05	228	70014	4.419	ng/ul	98
19) Chrysene	21.10	228	82519	4.170	ng/ul	99
21) Benzo(b)fluoranthene	22.56	252	157909	7.683	ng/ul	89
22) Benzo(k)fluoranthene	22.56	252	157909	6.662	ng/ul#	90
23) Benzo(a)pyrene	23.09	252	74627	3.858	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.26	276	57333	2.266	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.26	278	12704	0.625	ng/ul	92
26) Benzo(a,h,i)perylene	25.89	276	55832	2.452	ng/ul	96

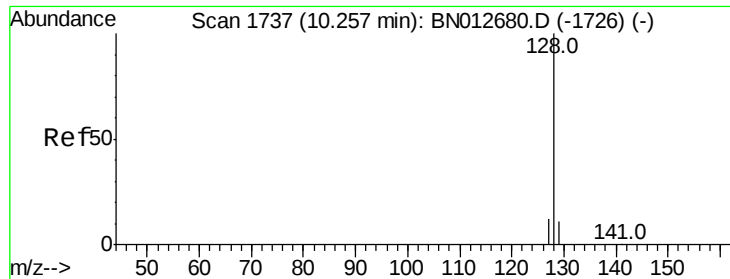
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.034 ng/ul

RT: 10.26 min Scan# 1737

Delta R.T. -0.01 min

Lab File: BN012682.D

Acq: 21 Nov 2020 12:25

Instrument :

BNA_N

ClientSampleId :

C0AX2DL

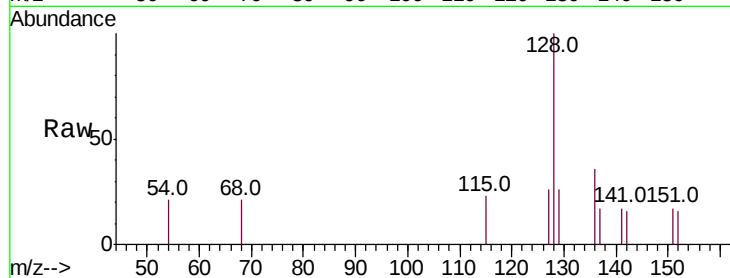
Tot Ion:128 Resp: 433

Ion Ratio Lower Upper

128 100

129 26.2 11.2 16.8#

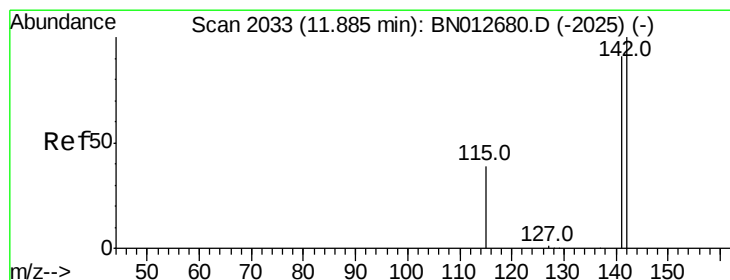
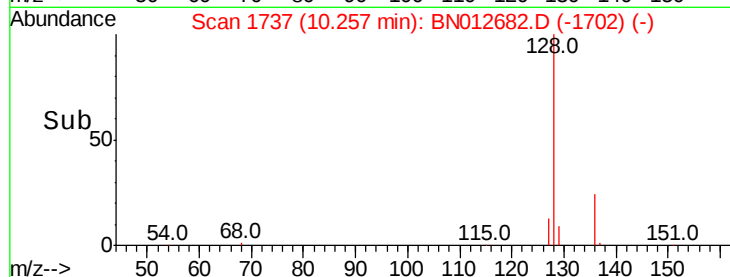
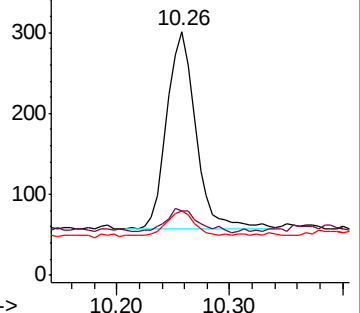
127 26.2 12.5 18.7#



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: 0.030 ng/ul

RT: 11.90 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BN012682.D

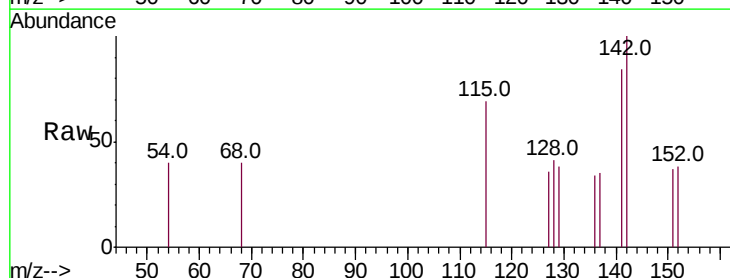
Acq: 21 Nov 2020 12:25

Tgt Ion:142 Resp: 242

Ion Ratio Lower Upper

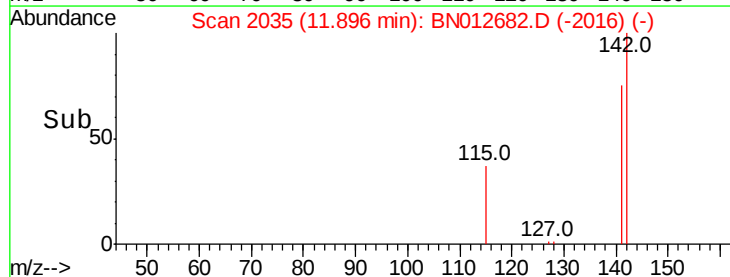
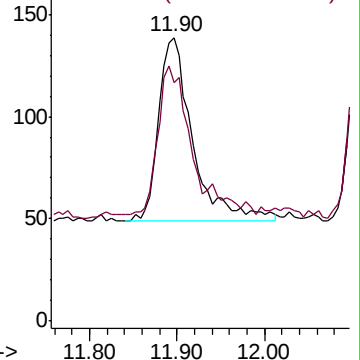
142 100

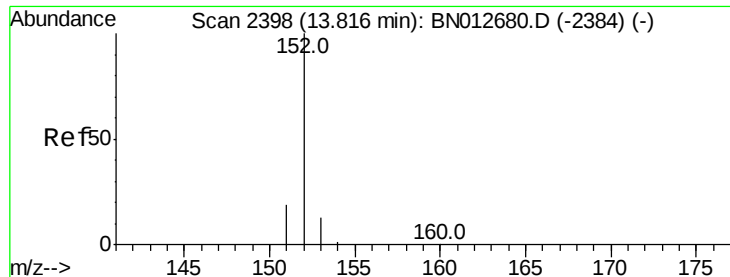
141 81.8 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.051 ng/ul

RT: 13.82 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BN012682.D

Acq: 21 Nov 2020 12:25

Instrument :

BNA_N

ClientSampleId :

C0AX2DL

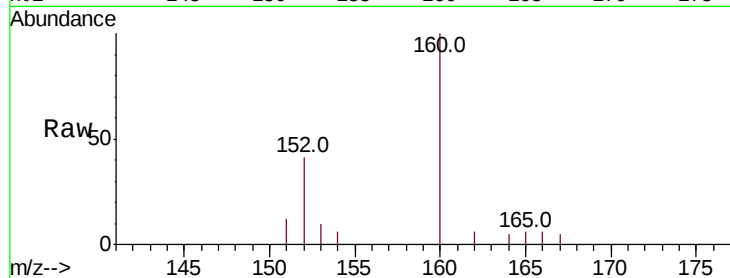
Tot Ion:152 Resp: 591

Ion Ratio Lower Upper

152 100

151 29.3 17.1 25.7#

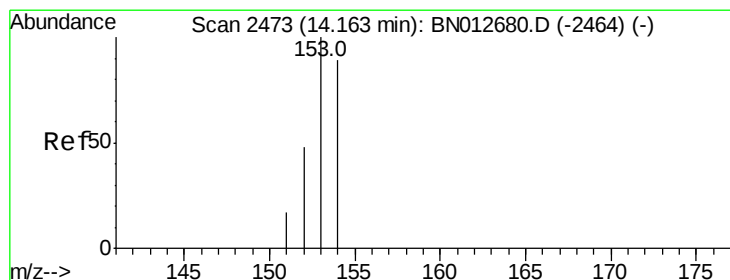
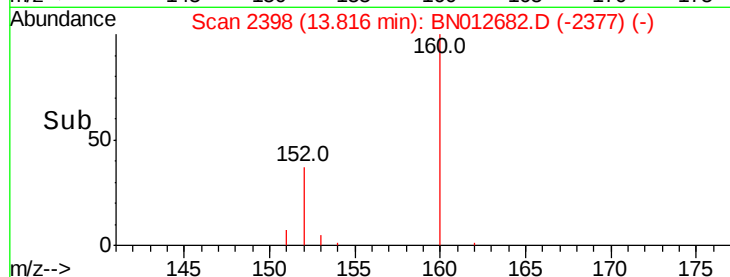
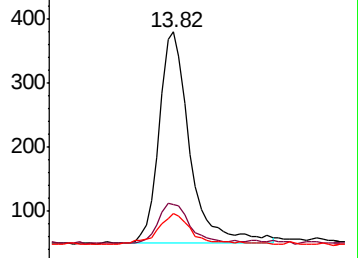
153 25.6 12.6 19.0#



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: 0.287 ng/ul

RT: 14.16 min Scan# 2473

Delta R.T. 0.00 min

Lab File: BN012682.D

Acq: 21 Nov 2020 12:25

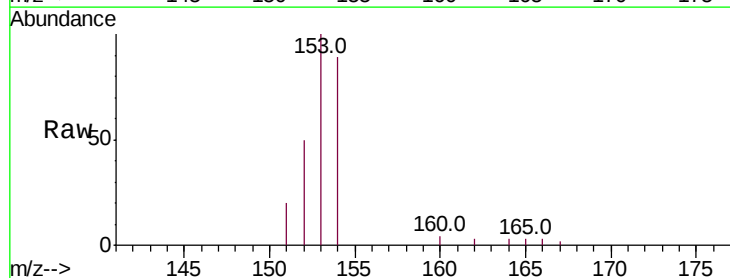
Tgt Ion:153 Resp: 2828

Ion Ratio Lower Upper

153 100

152 50.4 41.4 62.0

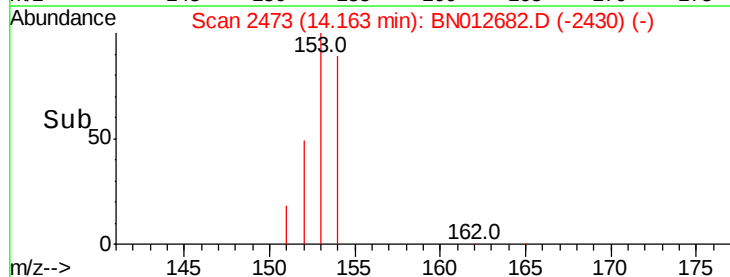
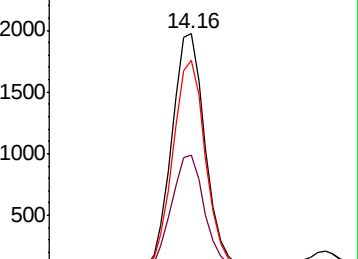
154 89.0 70.9 106.3

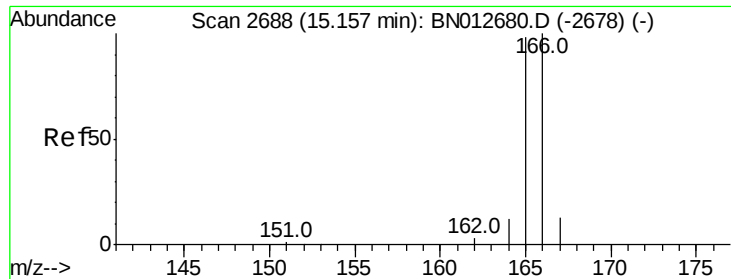


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.244 ng/ul

RT: 15.16 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN012682.D

Acq: 21 Nov 2020 12:25

Instrument :

BNA_N

ClientSampleId :

C0AX2DL

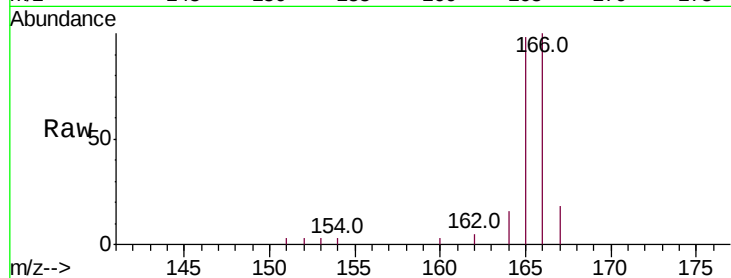
Tot Ion:166 Resp: 2640

Ion Ratio Lower Upper

166 100

165 98.1 78.5 117.7

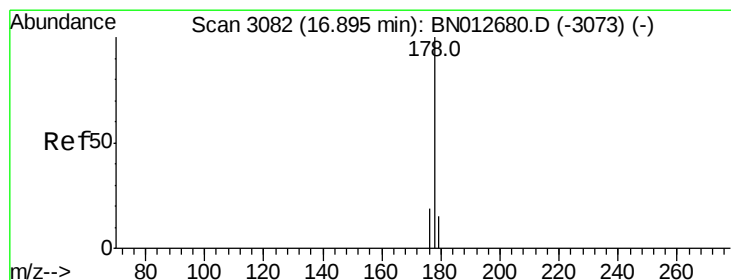
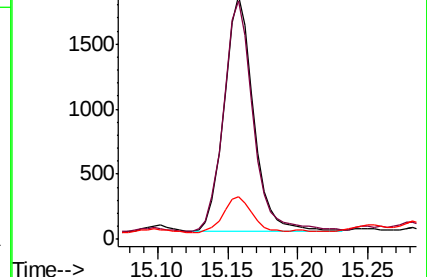
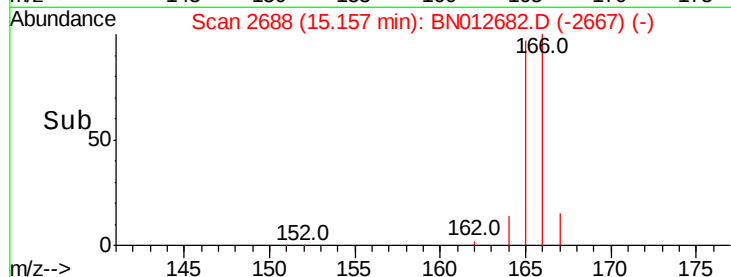
167 17.6 12.7 19.1



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: 5.516 ng/ul

RT: 16.89 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BN012682.D

Acq: 21 Nov 2020 12:25

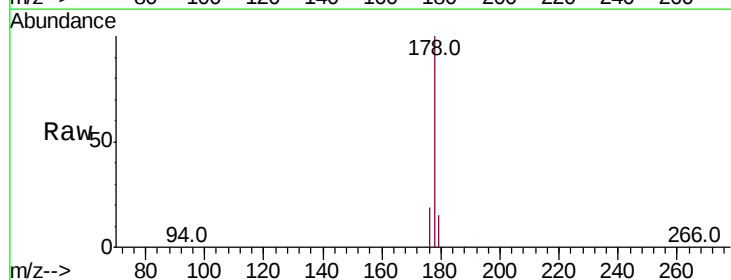
Tgt Ion:178 Resp: 96050

Ion Ratio Lower Upper

178 100

179 15.2 13.8 20.6

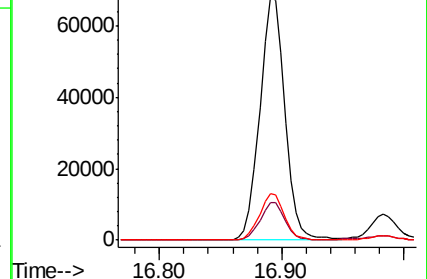
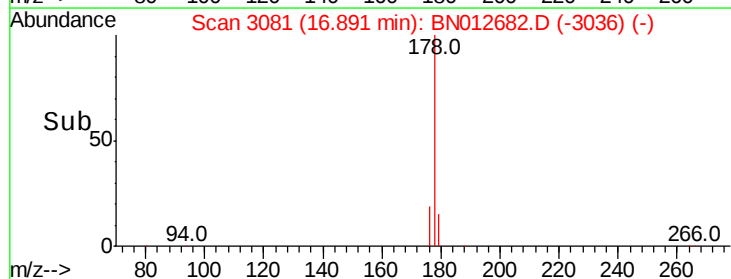
176 19.0 16.7 25.1

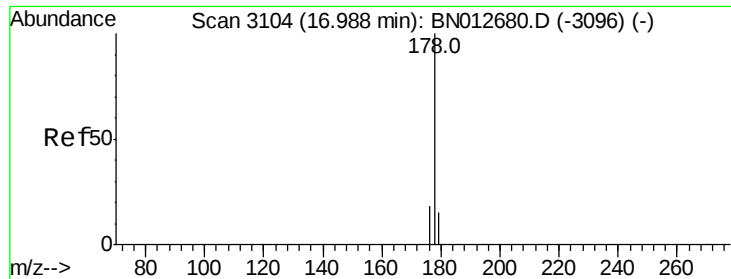


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

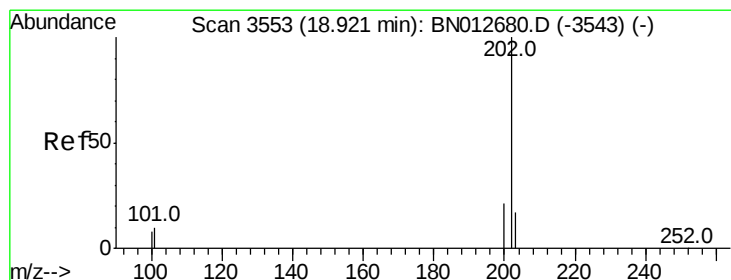
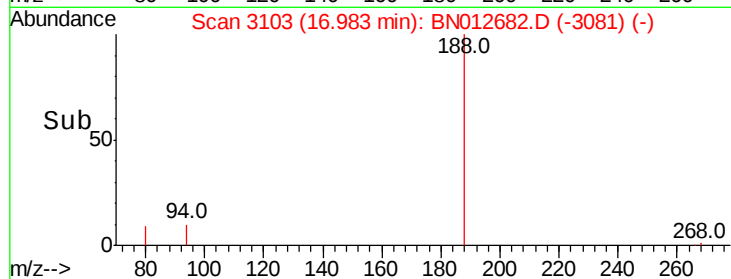
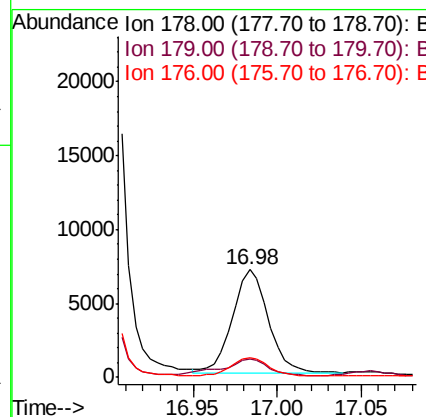
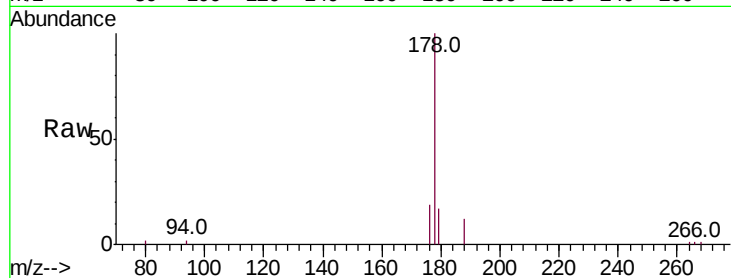




#13
 Anthracene
 Concen: 0.680 ng/ul
 RT: 16.98 min Scan# 3103
 Delta R.T. -0.01 min
 Lab File: BN012682.D
 Acq: 21 Nov 2020 12:25

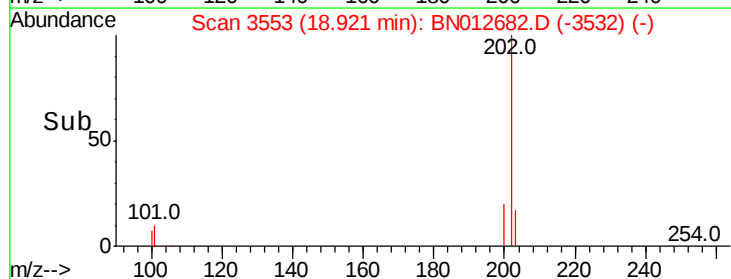
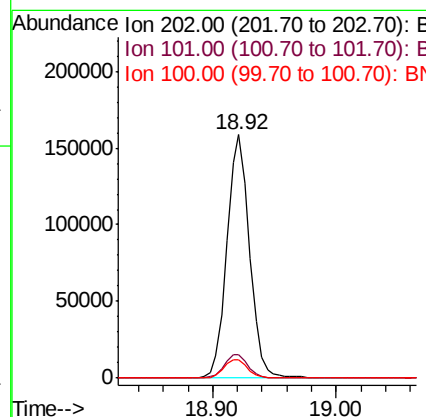
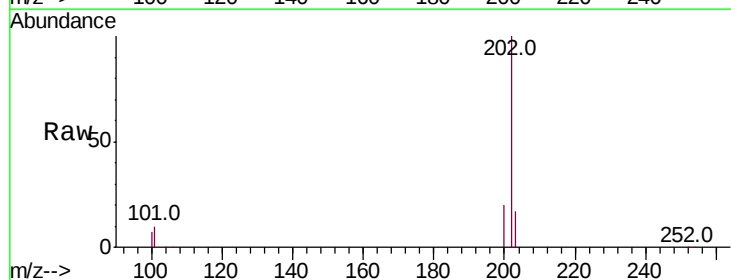
Instrument :
 BNA_N
 ClientSampleId :
 C0AX2DL

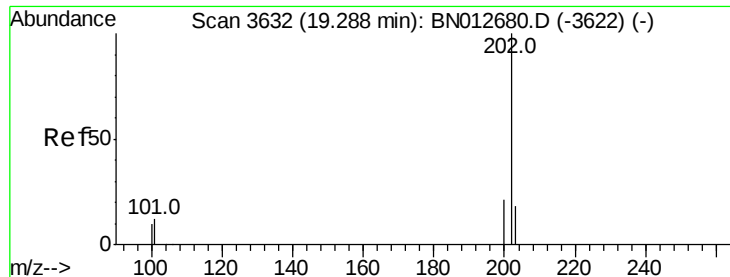
Tot Ion:178 Resp: 10295
 Ion Ratio Lower Upper
 178 100
 179 16.6 14.8 22.2
 176 18.7 16.3 24.5



#15
 Fluoranthene
 Concen: 9.977 ng/ul
 RT: 18.92 min Scan# 3553
 Delta R.T. -0.00 min
 Lab File: BN012682.D
 Acq: 21 Nov 2020 12:25

Tgt Ion:202 Resp: 200569
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.5
 100 7.5 0.0 28.4

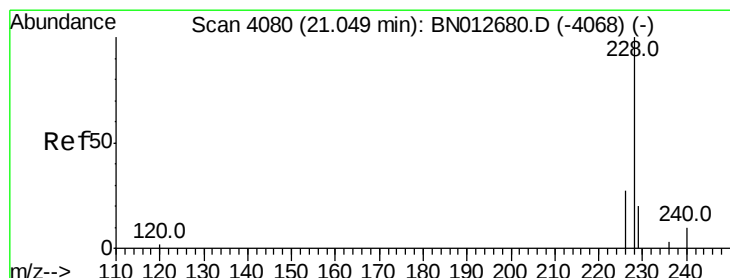
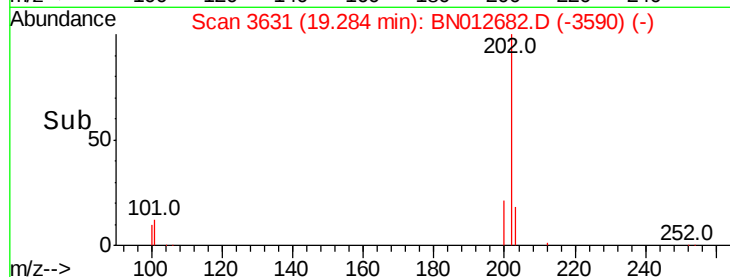
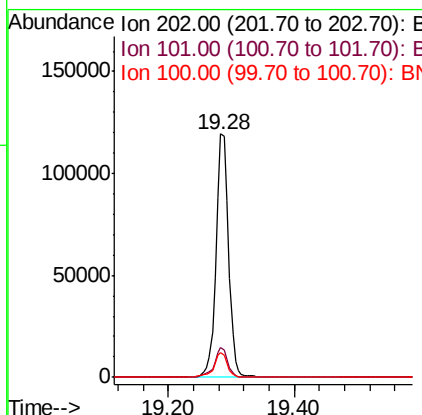
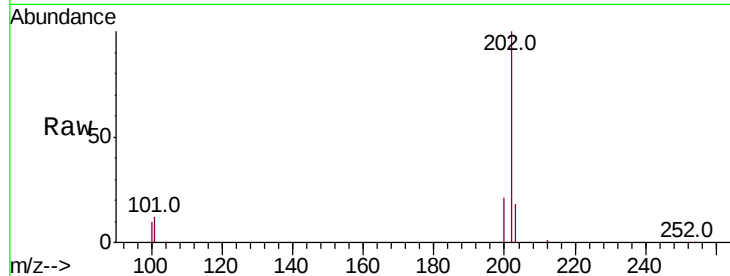




#17
Pvrene
Concen: 8.309 ng/ul
RT: 19.28 min Scan# 3631
Delta R.T. -0.01 min
Lab File: BN012682.D
Acq: 21 Nov 2020 12:25

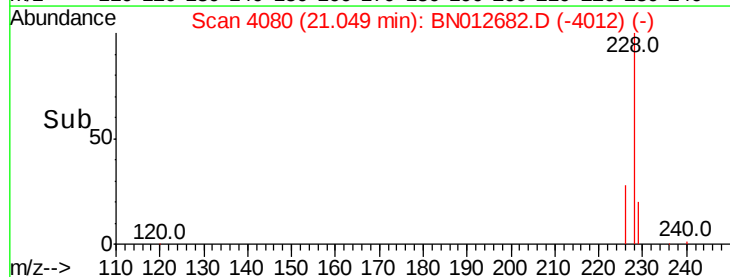
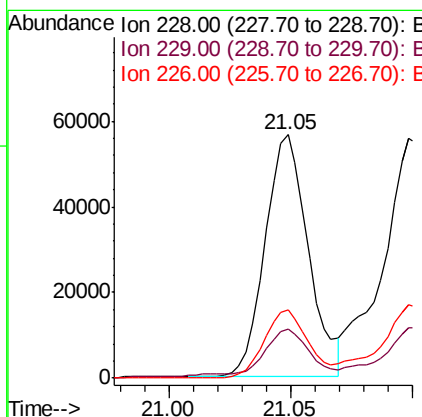
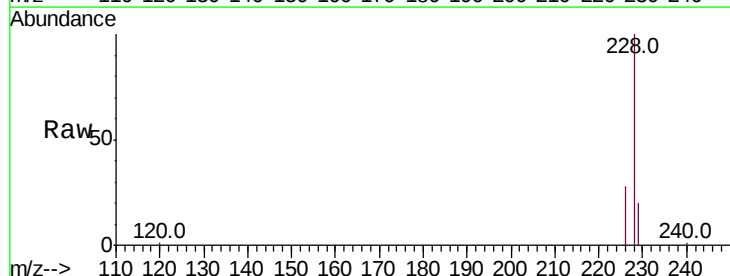
Instrument :
BNA_N
ClientSampleId :
C0AX2DL

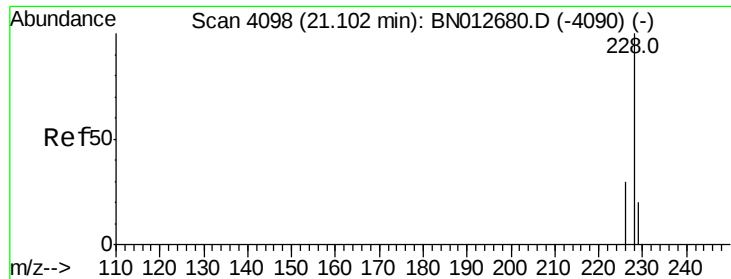
Tot Ion:202 Resp: 164309
Ion Ratio Lower Upper
202 100
101 12.3 8.9 13.3
100 10.2 7.4 11.2



#18
Benzo(a)anthracene
Concen: 4.419 ng/ul
RT: 21.05 min Scan# 4080
Delta R.T. -0.00 min
Lab File: BN012682.D
Acq: 21 Nov 2020 12:25

Tgt Ion:228 Resp: 70014
Ion Ratio Lower Upper
228 100
229 20.0 16.9 25.3
226 27.8 23.1 34.7





#19

Chrysene

Concen: 4.170 ng/ul

RT: 21.10 min Scan# 4097

Delta R.T. -0.01 min

Lab File: BN012682.D

Acq: 21 Nov 2020 12:25

Instrument :

BNA_N

ClientSampleId :

C0AX2DL

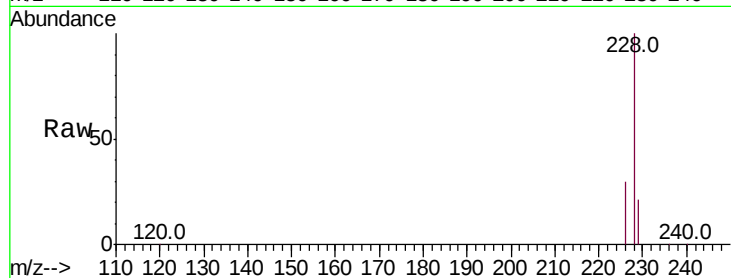
Tot Ion:228 Resp: 82519

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

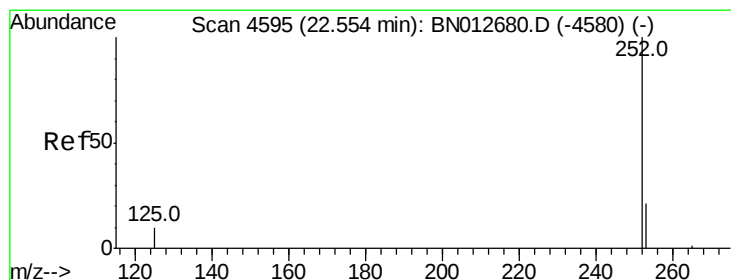
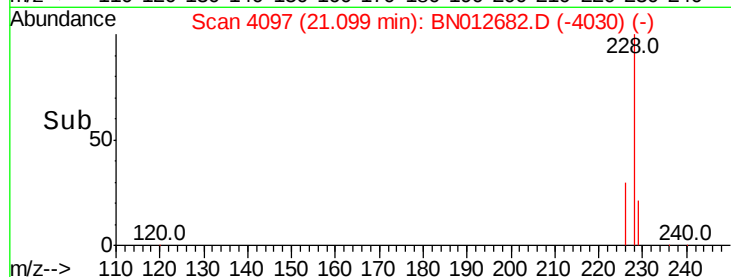
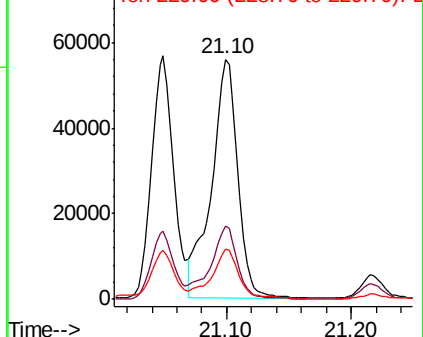
229 20.7 16.1 24.1



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: 7.683 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.00 min

Lab File: BN012682.D

Acq: 21 Nov 2020 12:25

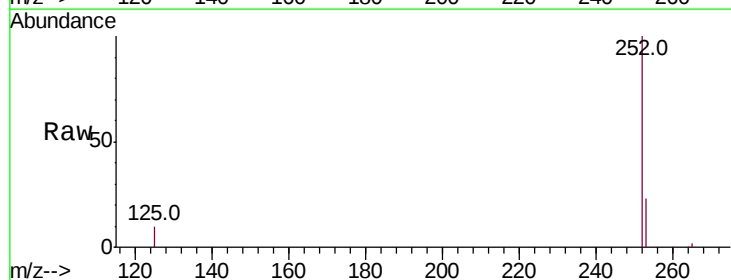
Tgt Ion:252 Resp: 157909

Ion Ratio Lower Upper

252 100

253 22.7 0.0 58.4

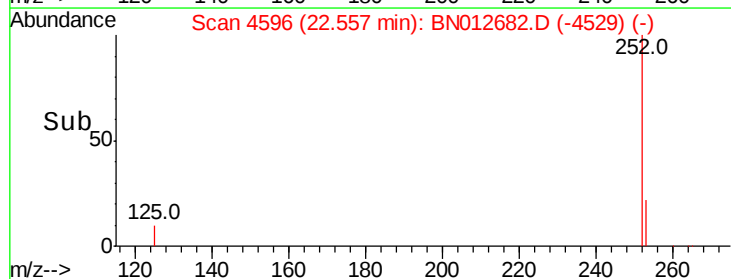
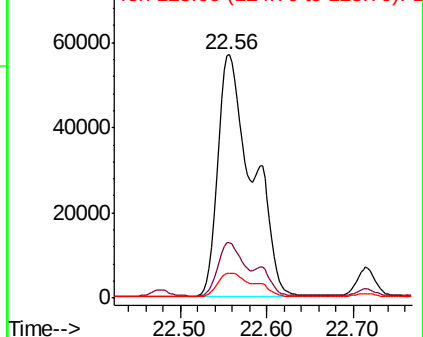
125 10.4 0.0 28.6

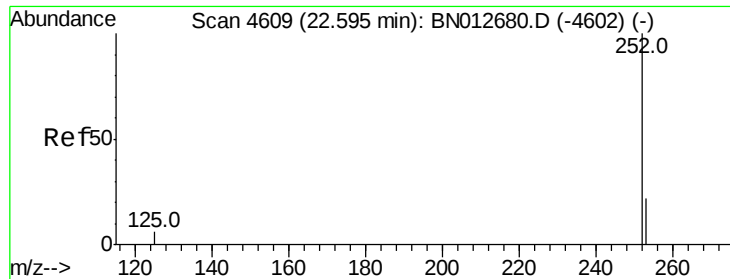


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 6.662 ng/ul

RT: 22.56 min Scan# 4596

Delta R.T. -0.04 min

Lab File: BN012682.D

Acq: 21 Nov 2020 12:25

Instrument :

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C0AX2DL

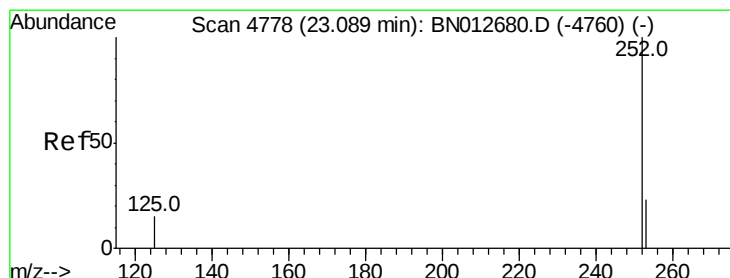
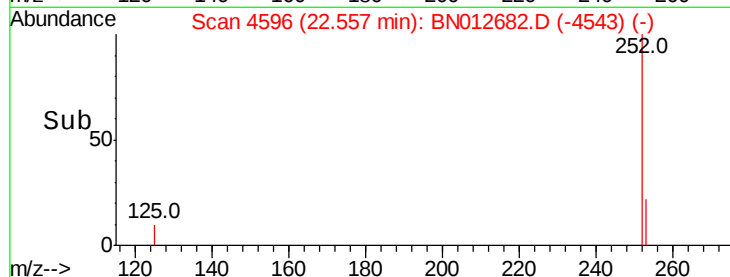
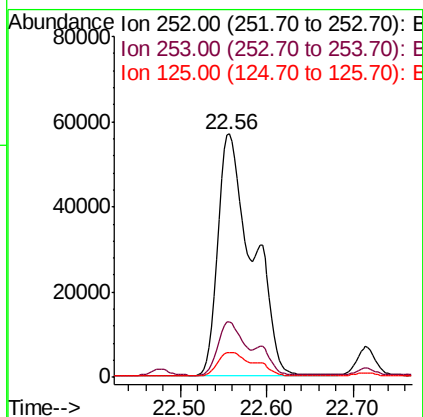
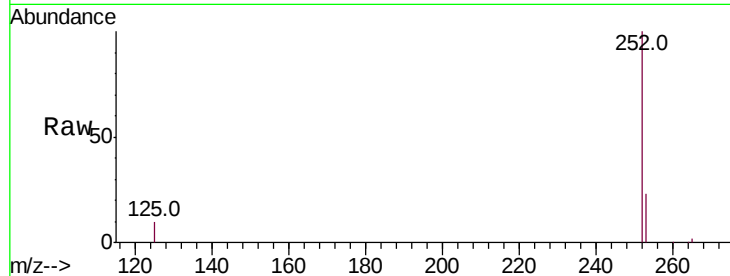
Tot Ion:252 Resp: 157909

Ion Ratio Lower Upper

252 100

253 22.7 23.4 35.2#

125 10.4 10.2 15.2



#23

Benzo(a)pyrene

Concen: 3.858 ng/ul

RT: 23.09 min Scan# 4777

Delta R.T. -0.01 min

Lab File: BN012682.D

Acq: 21 Nov 2020 12:25

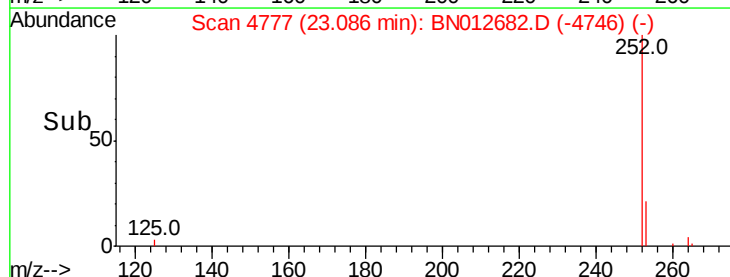
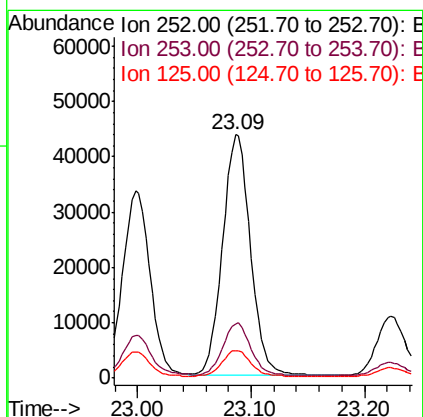
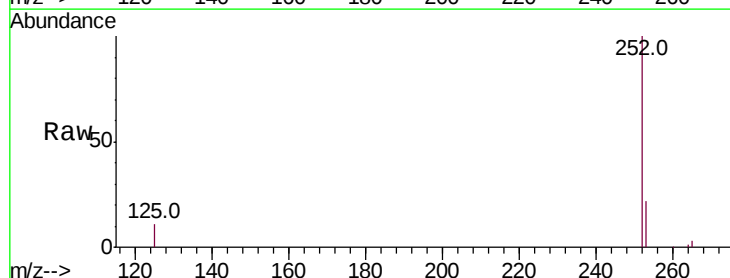
Tgt Ion:252 Resp: 74627

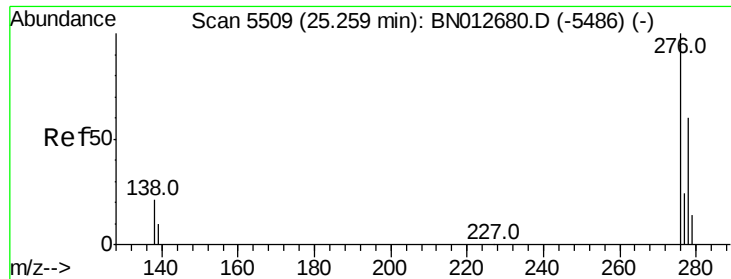
Ion Ratio Lower Upper

252 100

253 22.4 27.6 41.4#

125 11.4 17.0 25.4#



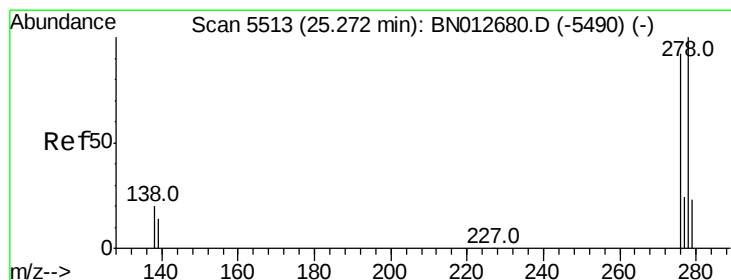
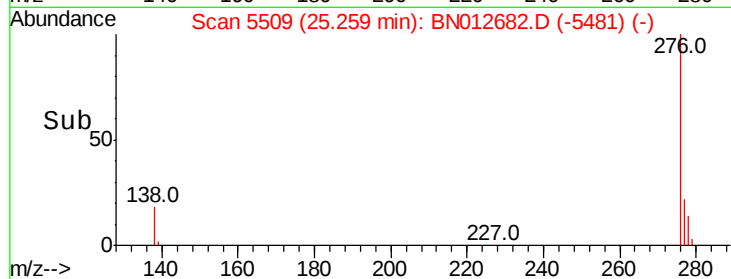
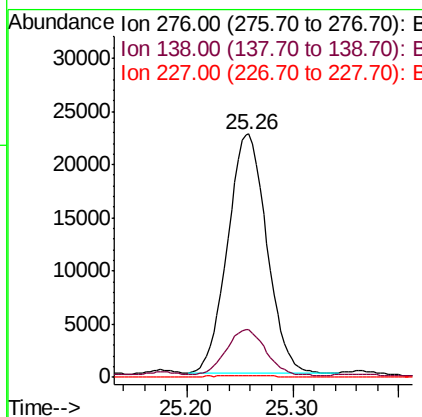
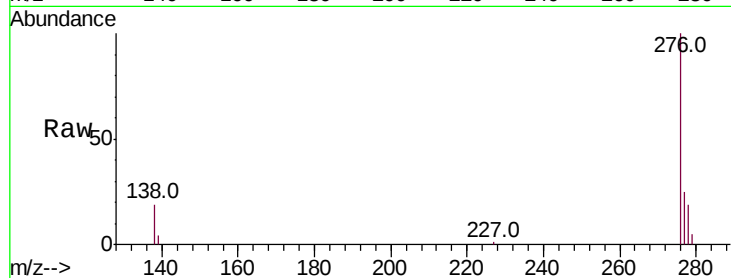


#24

Indeno(1,2,3-cd)pyrene
Concen: 2.266 ng/ul
RT: 25.26 min Scan# 5509
Delta R.T. -0.01 min
Lab File: BN012682.D
Acq: 21 Nov 2020 12:25

Instrument :
BNA_N
ClientSampleId :
C0AX2DL

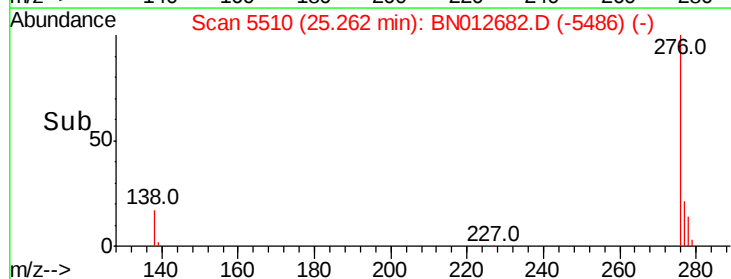
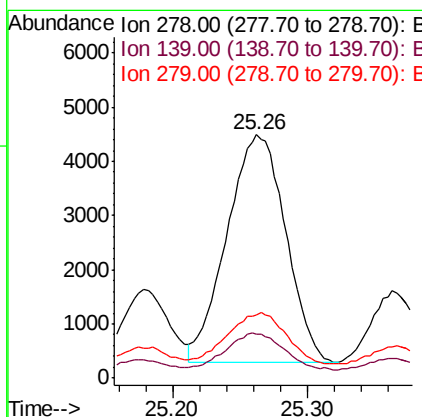
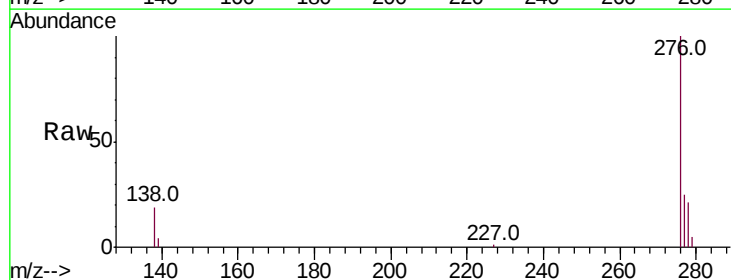
Tot Ion:276 Resp: 57333
Ion Ratio Lower Upper
276 100
138 19.4 16.5 24.7
227 0.2 0.1 0.1#

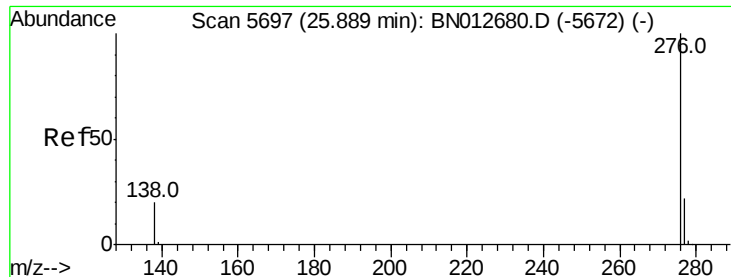


#25

Dibenzo(a,h)anthracene
Concen: 0.625 ng/ul
RT: 25.26 min Scan# 5510
Delta R.T. -0.02 min
Lab File: BN012682.D
Acq: 21 Nov 2020 12:25

Tgt Ion:278 Resp: 12704
Ion Ratio Lower Upper
278 100
139 18.2 13.8 20.8
279 26.1 25.6 38.4





#26

Benzo(a,h,i)perylene

Concen: 2.452 ng/ul

RT: 25.89 min Scan# 5698

Delta R.T. -0.01 min

Lab File: BN012682.D

Acq: 21 Nov 2020 12:25

Instrument :

BNA_N

ClientSampleId :

C0AX2DL

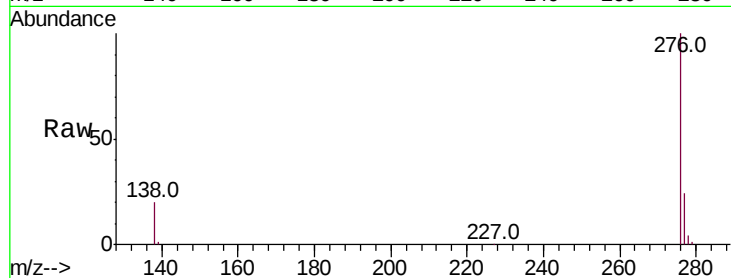
Tot Ion:276 Resp: 55832

Ion Ratio Lower Upper

276 100

138 20.3 16.3 24.5

277 23.7 21.8 32.8



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

