

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
 Data File : BN012681.D
 Acq On : 21 Nov 2020 11:49
 Operator : CG/JU
 Sample : L4710-03DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AW8DL

Quant Time: Nov 23 01:24:28 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 00:58:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	1003	0.40	ng/ul	0.00
2) Naphthalene-d8	10.21	136	4081	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.10	164	2236	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	4610	0.40	ng/ul	0.00
16) Chrysene-d12	21.06	240	4155	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	4231	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.81	152	227	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.89	212	524	0.04	ng/ul	0.00

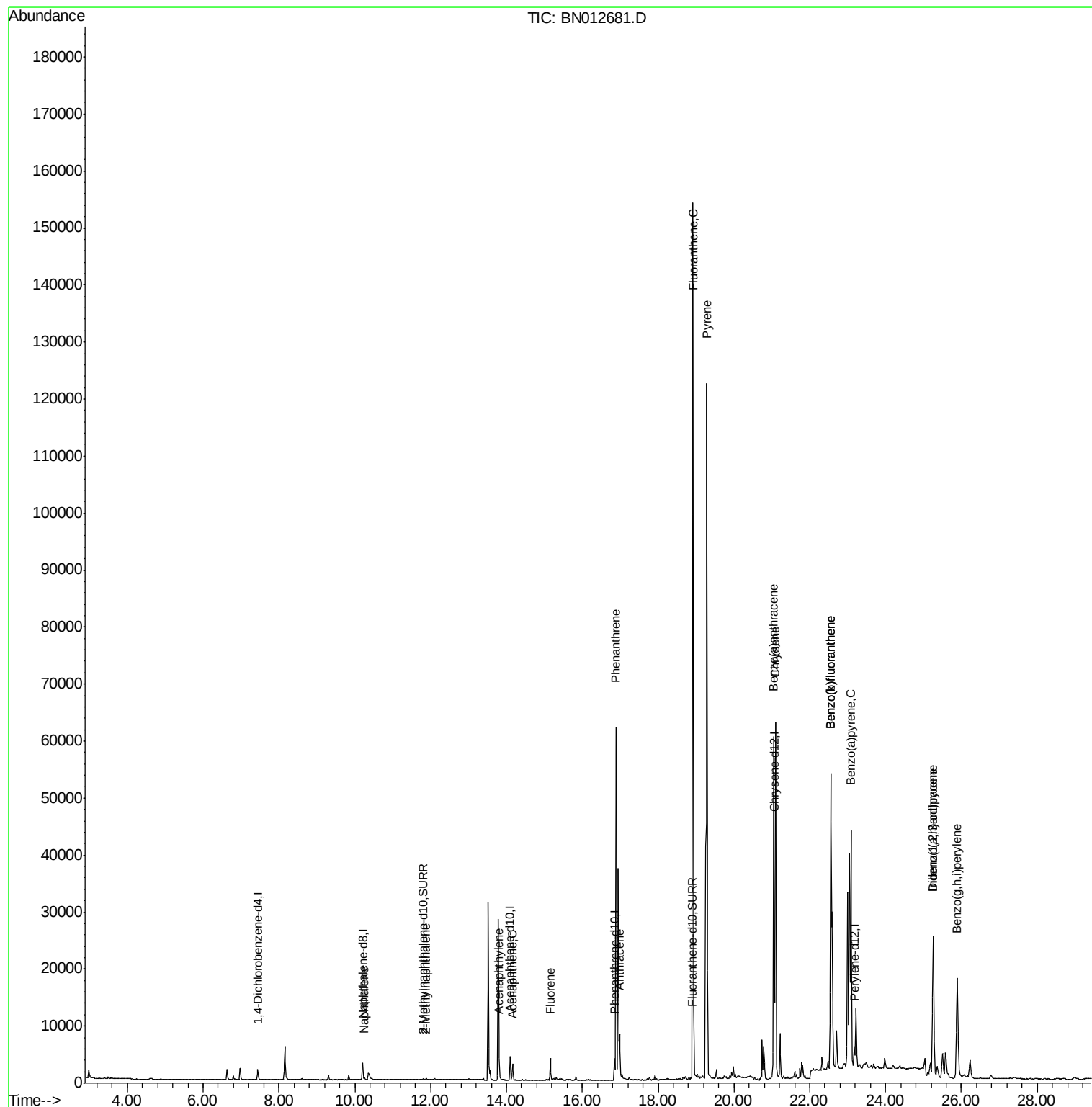
Target Compounds				Ovalue		
3) Naphthalene	10.26	128	306	0.025	ng/ul#	62
5) 2-Methylnaphthalene	11.89	142	214	0.027	ng/ul	96
7) Acenaphthylene	13.82	152	521	0.048	ng/ul#	73
8) Acenaphthene	14.16	153	1720	0.187	ng/ul	99
9) Fluorene	15.16	166	2420	0.240	ng/ul	97
12) Phenanthrene	16.89	178	63509	3.959	ng/ul	96
13) Anthracene	16.98	178	7156	0.513	ng/ul	96
15) Fluoranthene	18.92	202	130465	7.045	ng/ul	97
17) Pyrene	19.28	202	103758	5.583	ng/ul	97
18) Benzo(a)anthracene	21.05	228	49331	3.313	ng/ul	98
19) Chrysene	21.10	228	60432	3.249	ng/ul	99
21) Benzo(b)fluoranthene	22.55	252	108877	5.594	ng/ul	90
22) Benzo(k)fluoranthene	22.55	252	108877	4.851	ng/ul#	90
23) Benzo(a)pyrene	23.09	252	51689	2.822	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.25	276	37355	1.559	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.26	278	8795	0.457	ng/ul	96
26) Benzo(a,h,i)perylene	25.89	276	34749	1.612	ng/ul	97

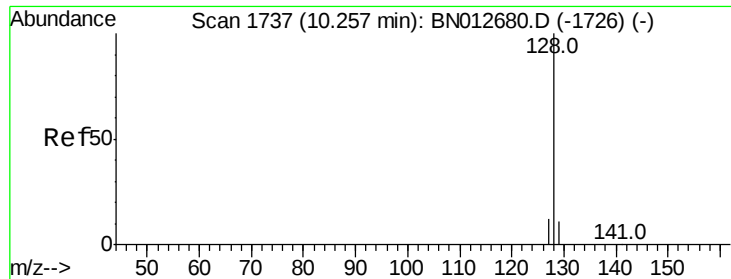
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.025 ng/ul

RT: 10.26 min Scan# 1737

Delta R.T. -0.01 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

Instrument :

BNA_N

ClientSampleId :

C0AW8DL

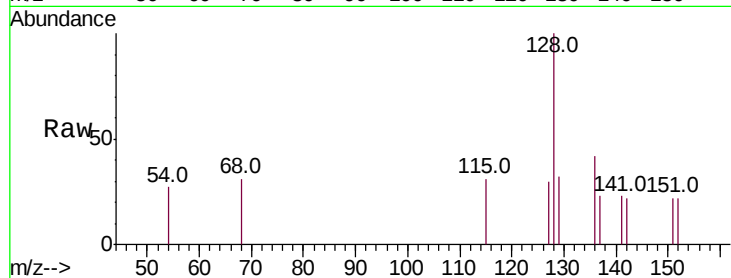
Tot Ion:128 Resp: 306

Ion Ratio Lower Upper

128 100

129 31.9 11.2 16.8#

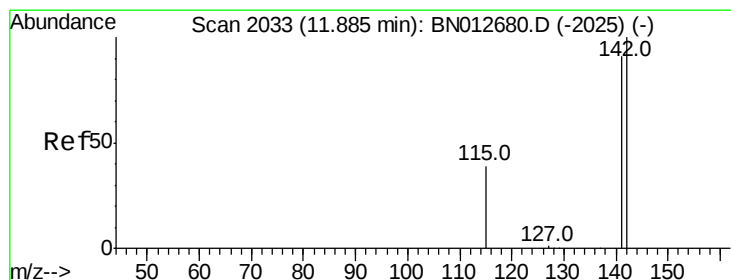
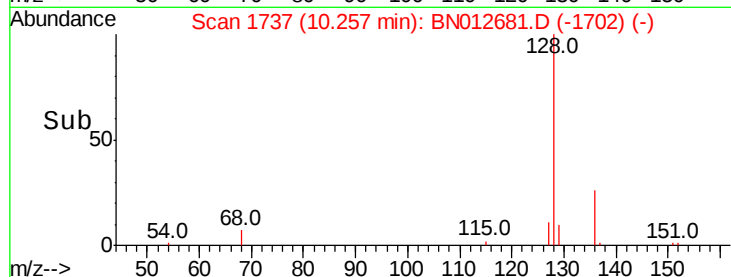
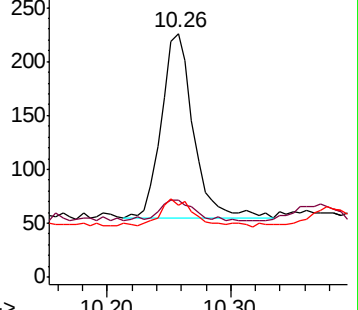
127 29.6 12.5 18.7#



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: 0.027 ng/ul

RT: 11.89 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BN012681.D

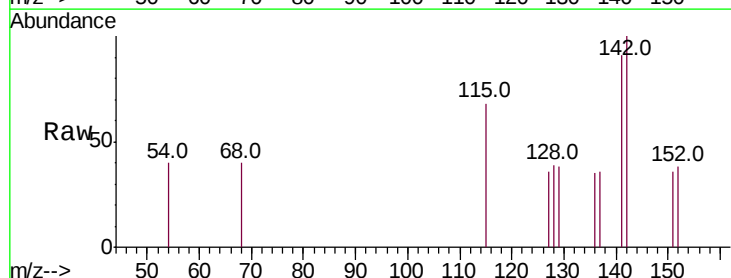
Acq: 21 Nov 2020 11:49

Tgt Ion:142 Resp: 214

Ion Ratio Lower Upper

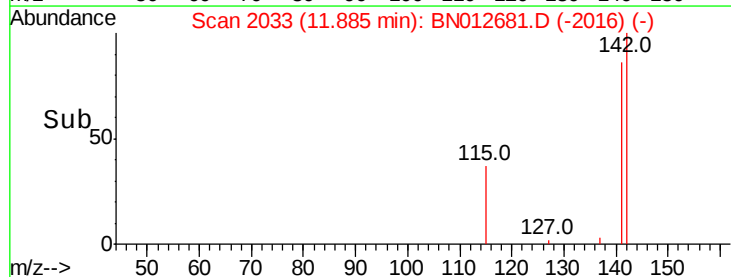
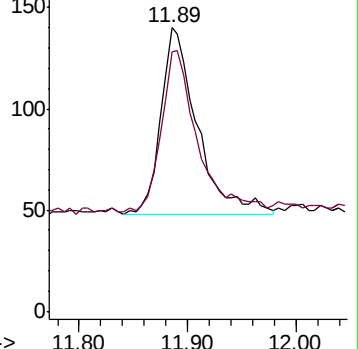
142 100

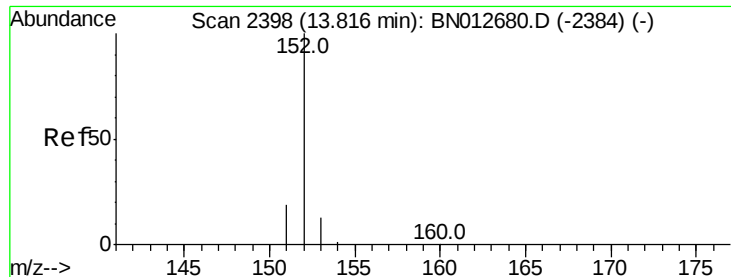
141 86.4 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 13.82 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

Instrument :

BNA_N

ClientSampleId :

C0AW8DL

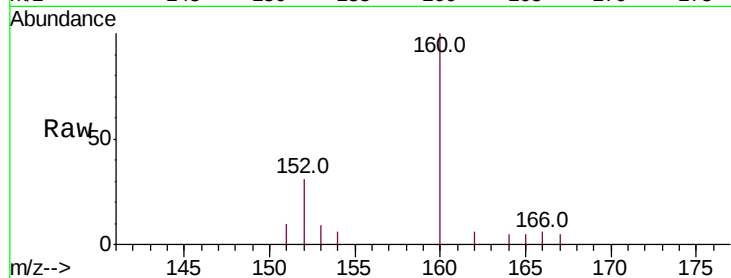
Tot Ion:152 Resp: 521

Ion Ratio Lower Upper

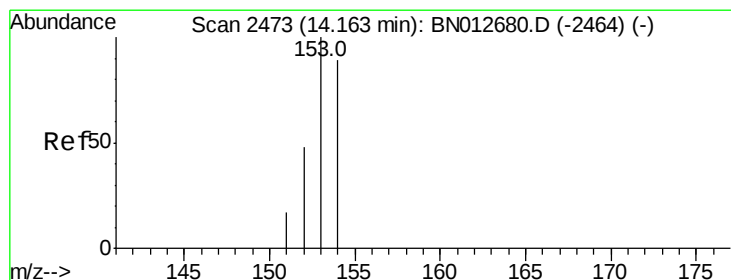
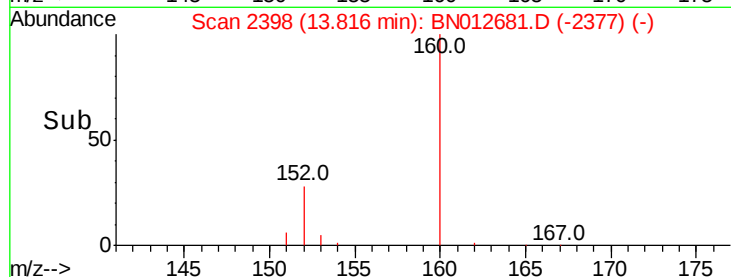
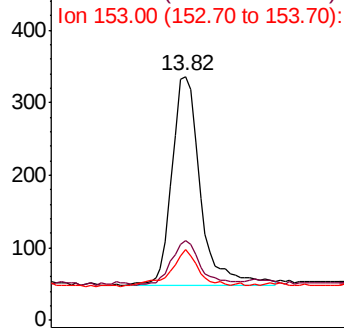
152 100

151 32.7 17.1 25.7#

153 28.9 12.6 19.0#



Abundance Ion 152.00 (151.70 to 152.70): E



#8

Acenaphthene

Concen: 0.187 ng/ul

RT: 14.16 min Scan# 2473

Delta R.T. -0.00 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

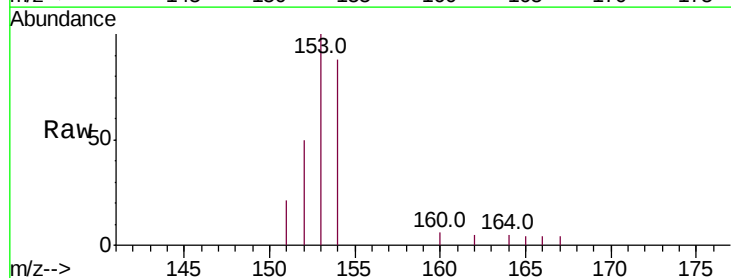
Tgt Ion:153 Resp: 1720

Ion Ratio Lower Upper

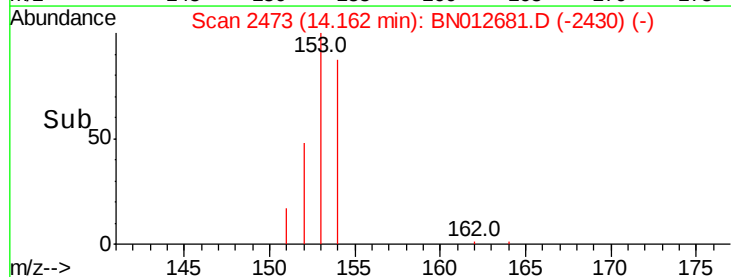
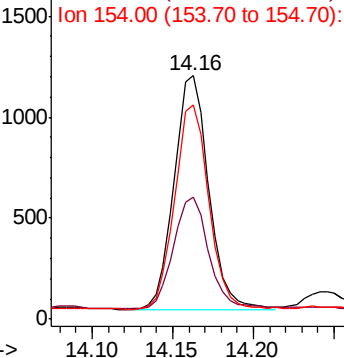
153 100

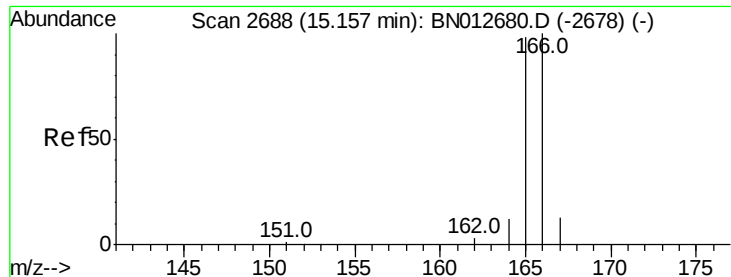
152 50.1 41.4 62.0

154 87.8 70.9 106.3



Abundance Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.240 ng/ul

RT: 15.16 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

Instrument :

BNA_N

ClientSampleId :

C0AW8DL

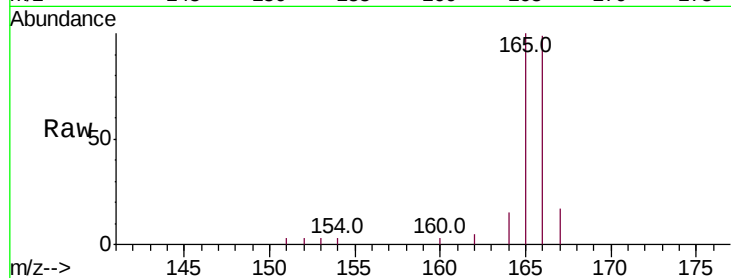
Tot Ion:166 Resp: 2420

Ion Ratio Lower Upper

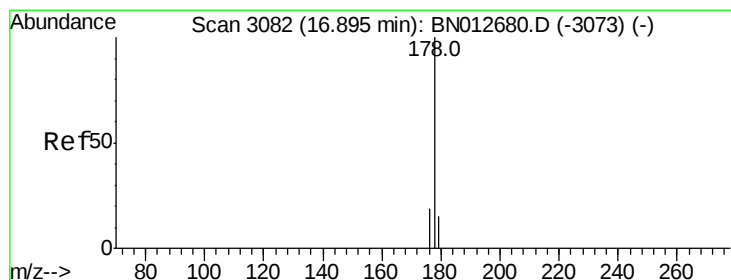
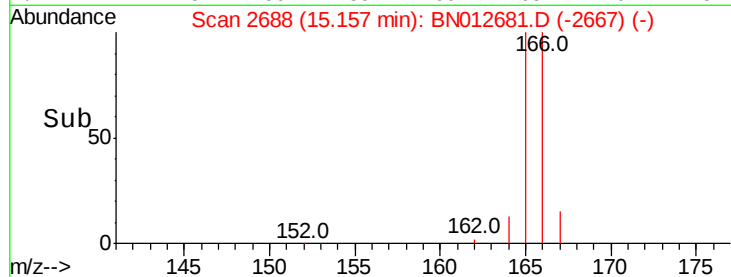
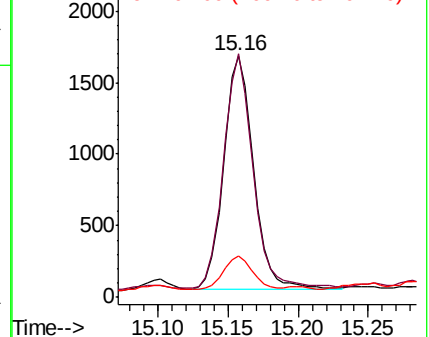
166 100

165 100.8 78.5 117.7

167 17.2 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: 3.959 ng/ul

RT: 16.89 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

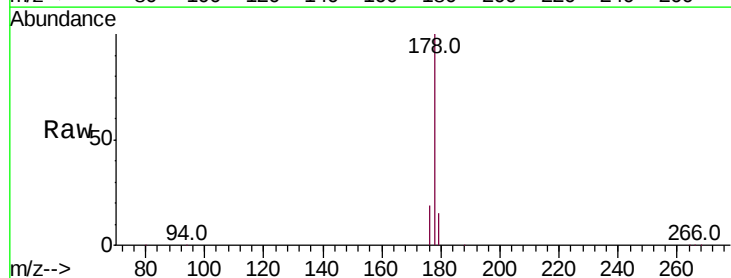
Tgt Ion:178 Resp: 63509

Ion Ratio Lower Upper

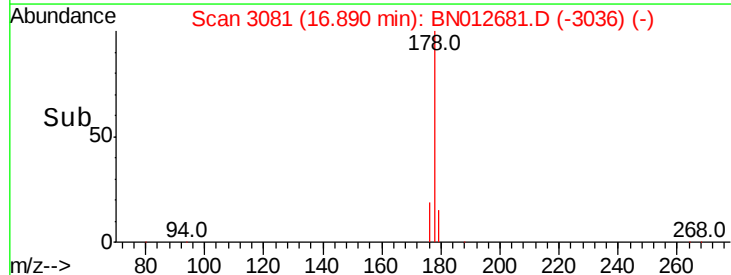
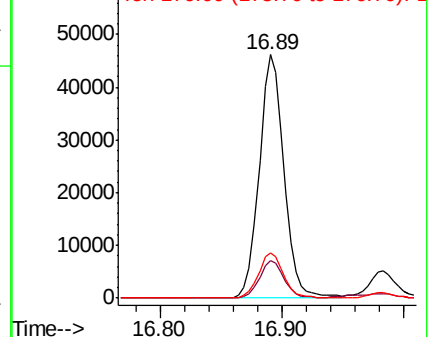
178 100

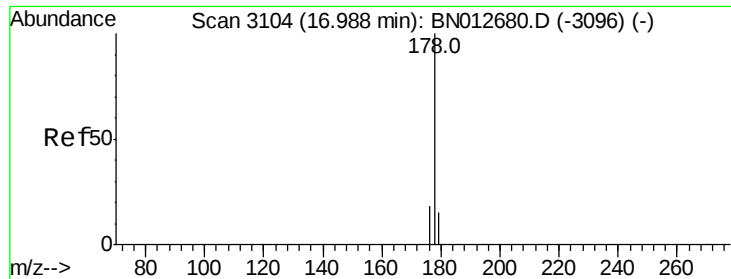
179 15.5 13.8 20.6

176 18.8 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: 0.513 ng/ul

RT: 16.98 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

Instrument :

BNA_N

ClientSampleId :

C0AW8DL

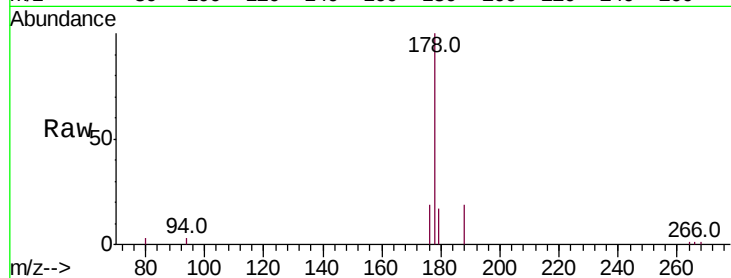
Tot Ion:178 Resp: 7156

Ion Ratio Lower Upper

178 100

179 16.8 14.8 22.2

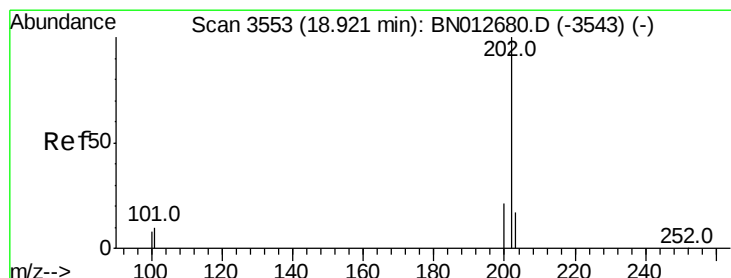
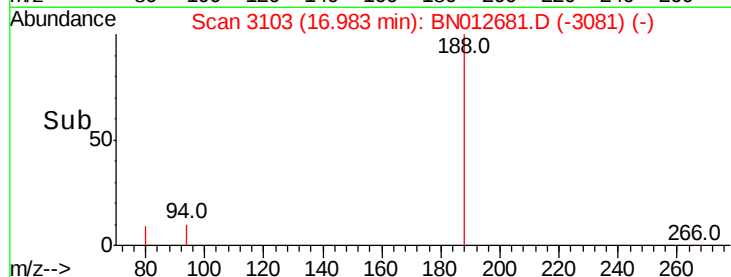
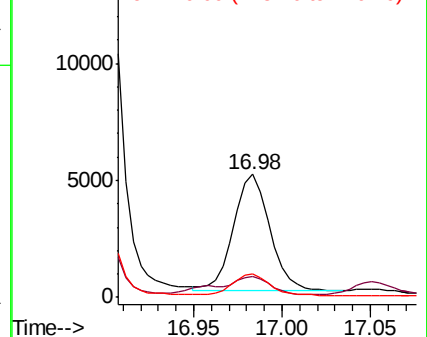
176 18.8 16.3 24.5



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: 7.045 ng/ul

RT: 18.92 min Scan# 3553

Delta R.T. -0.00 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

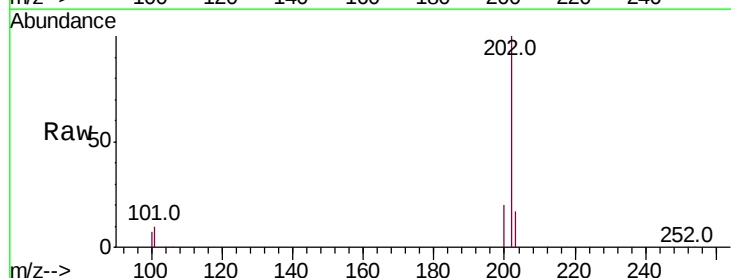
Tgt Ion:202 Resp: 130465

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.5

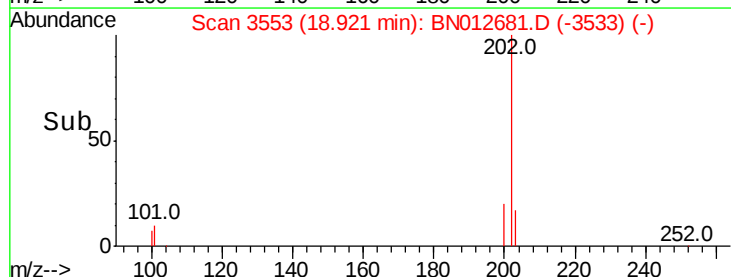
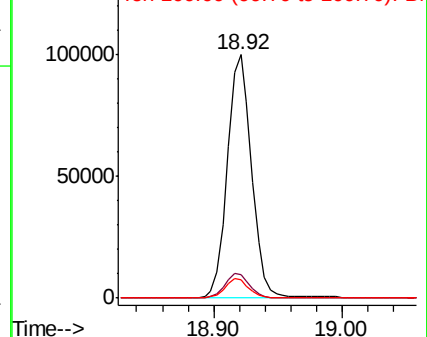
100 7.4 0.0 28.4

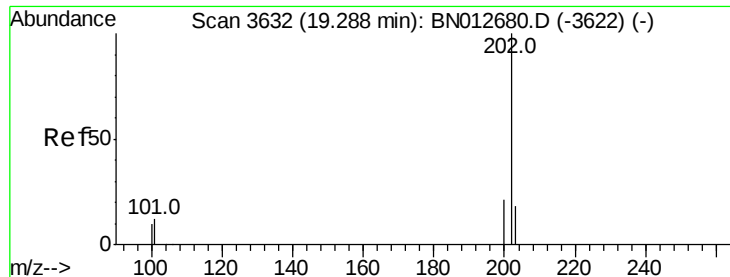


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

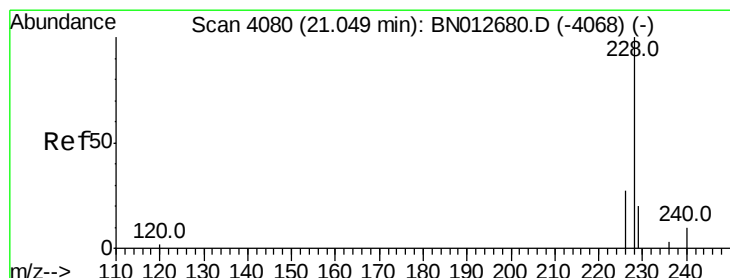
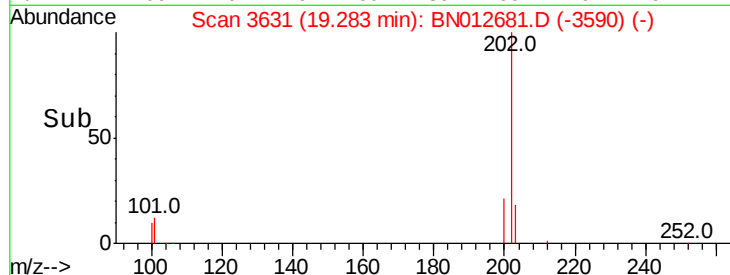
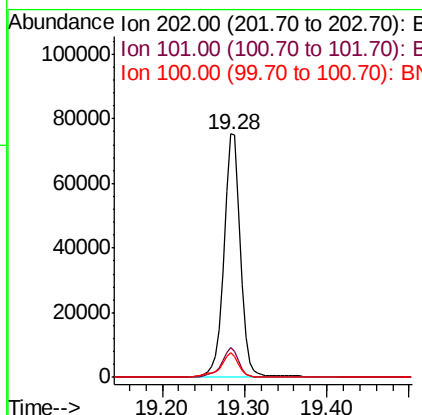
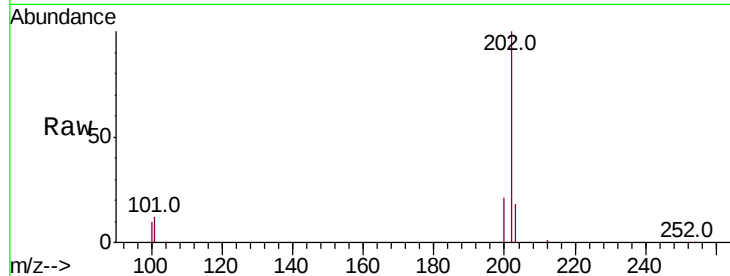




#17
Pvrene
Concen: 5.583 ng/ul
RT: 19.28 min Scan# 3631
Delta R.T. -0.01 min
Lab File: BN012681.D
Acq: 21 Nov 2020 11:49

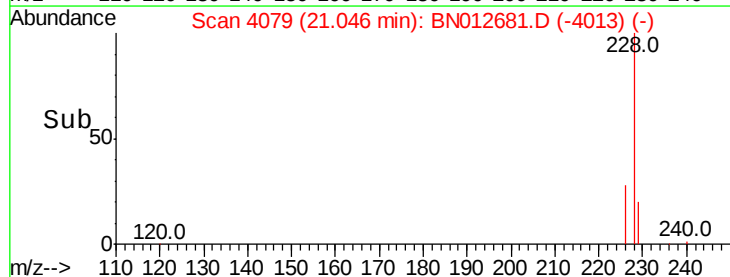
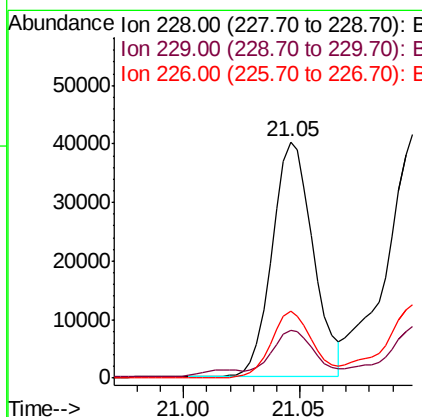
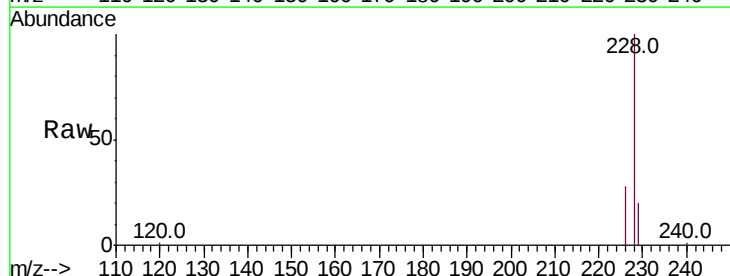
Instrument :
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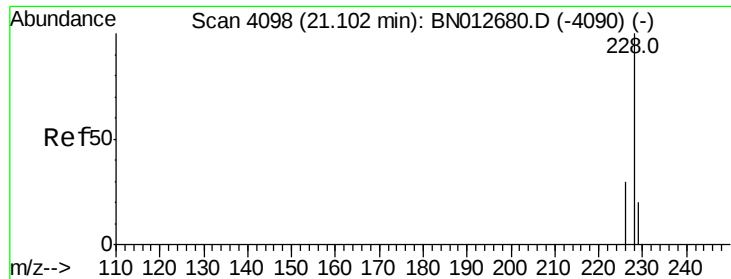
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	8.9	13.3
100	10.3	7.4	11.2



#18
Benzo(a)anthracene
Concen: 3.313 ng/ul
RT: 21.05 min Scan# 4079
Delta R.T. -0.01 min
Lab File: BN012681.D
Acq: 21 Nov 2020 11:49

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.9	25.3
226	28.2	23.1	34.7





#19

Chrysene

Concen: 3.249 ng/ul

RT: 21.10 min Scan# 4097

Delta R.T. -0.01 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

Instrument :

BNA_N

ClientSampleId :

C0AW8DL

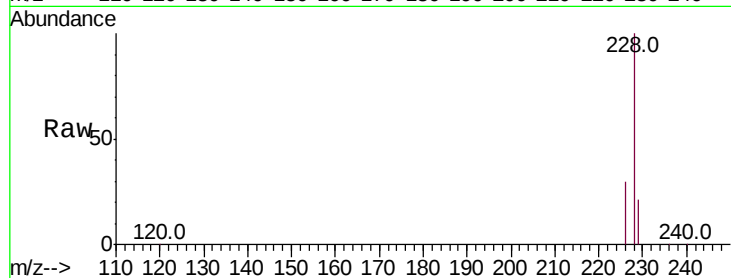
Tot Ion:228 Resp: 60432

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

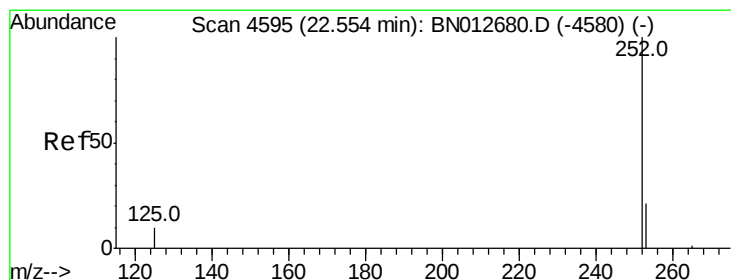
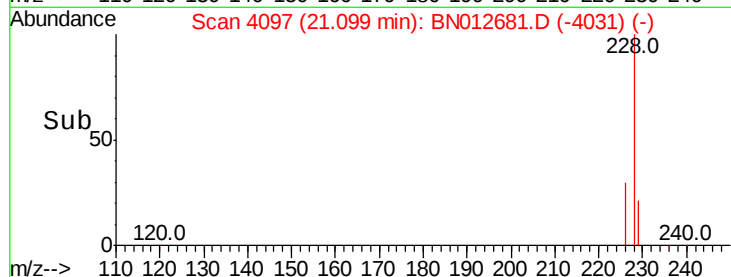
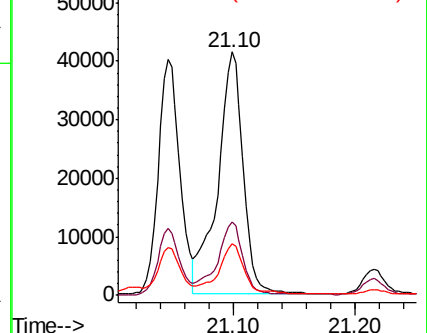
229 21.0 16.1 24.1



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: 5.594 ng/ul

RT: 22.55 min Scan# 4595

Delta R.T. -0.01 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

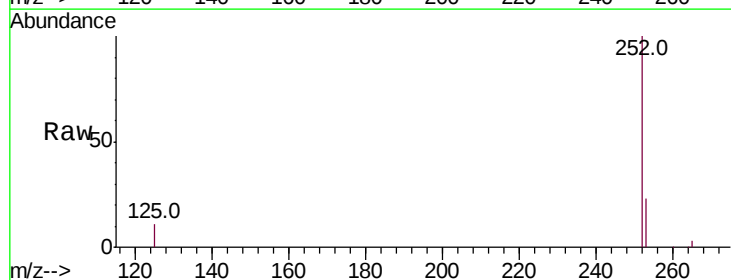
Tgt Ion:252 Resp: 108877

Ion Ratio Lower Upper

252 100

253 23.2 0.0 58.4

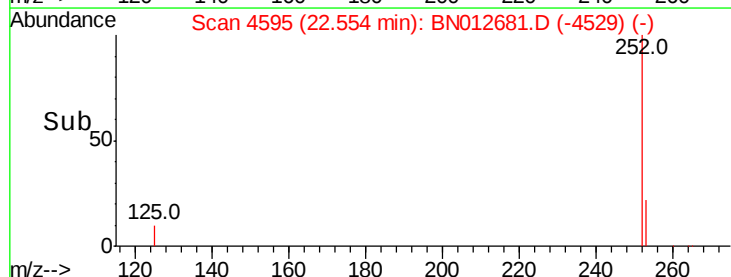
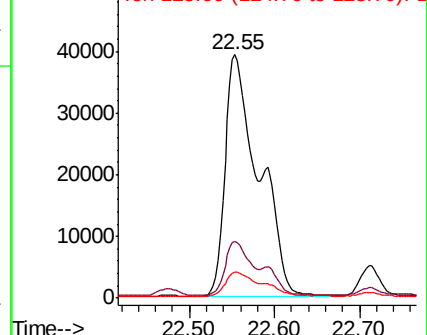
125 10.6 0.0 28.6

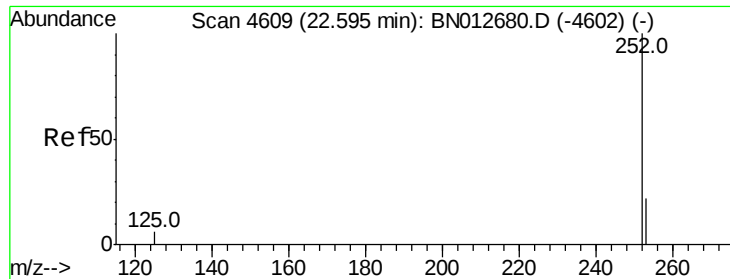


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 4.851 ng/ul

RT: 22.55 min Scan# 4595

Delta R.T. -0.05 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

Instrument :

BNA_N

ClientSampleId :

C0AW8DL

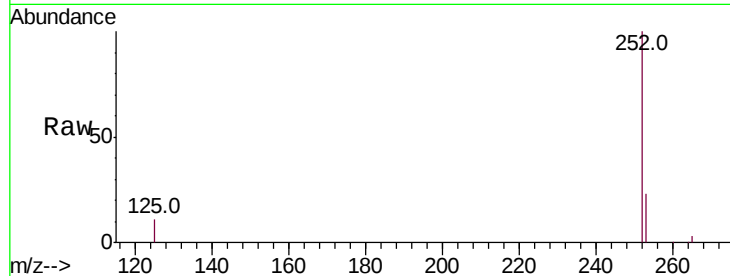
Tot Ion:252 Resp: 108877

Ion Ratio Lower Upper

252 100

253 23.2 23.4 35.2#

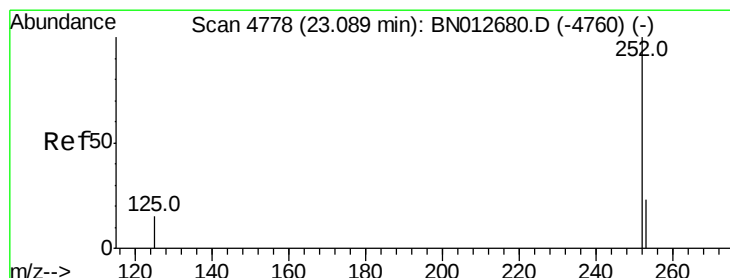
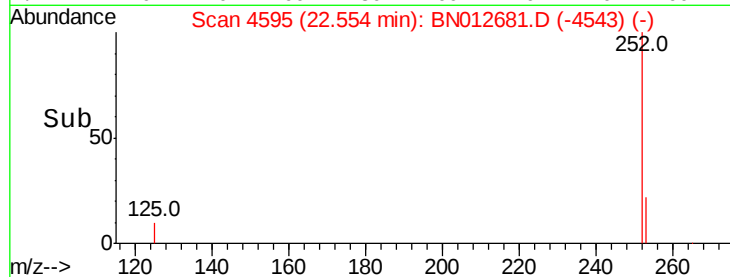
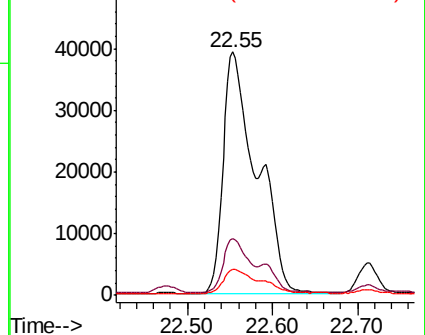
125 10.6 10.2 15.2



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



#23

Benzo(a)pyrene

Concen: 2.822 ng/ul

RT: 23.09 min Scan# 4777

Delta R.T. -0.01 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

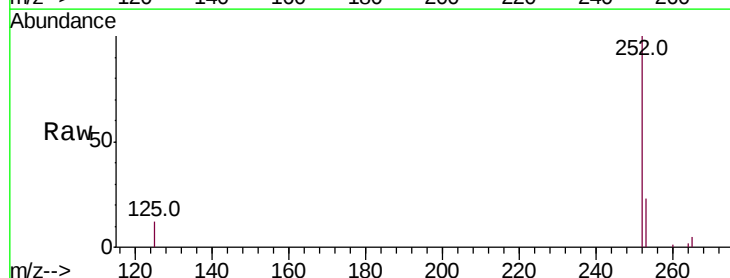
Tgt Ion:252 Resp: 51689

Ion Ratio Lower Upper

252 100

253 23.1 27.6 41.4#

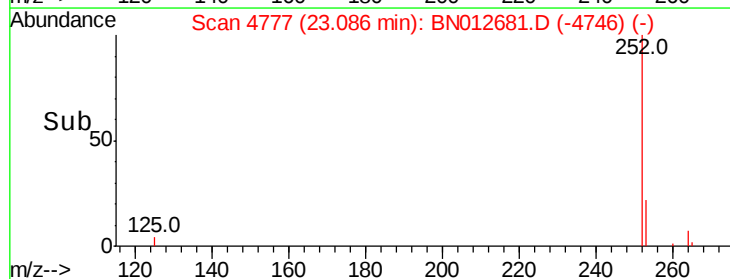
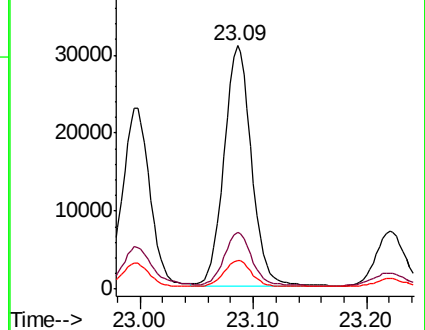
125 11.7 17.0 25.4#

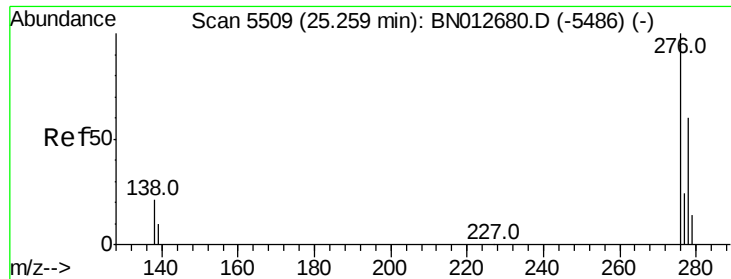


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



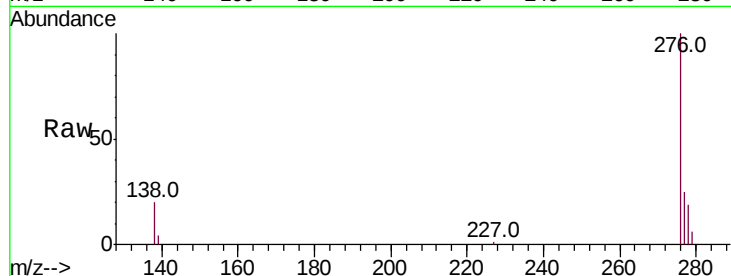


#24

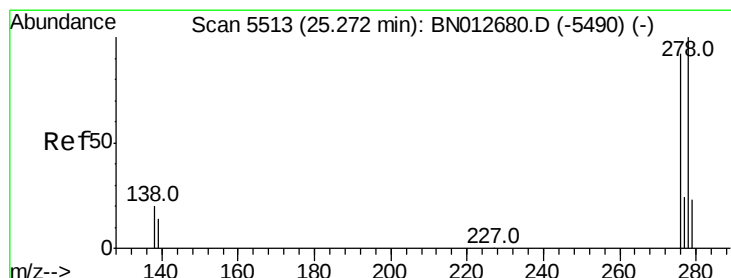
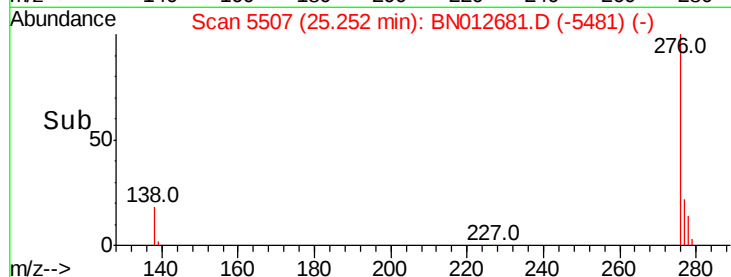
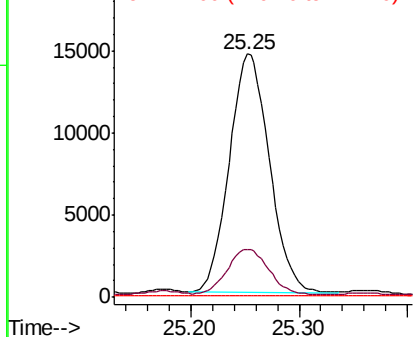
Indeno(1,2,3-cd)pyrene
Concen: 1.559 ng/ul
RT: 25.25 min Scan# 5507
Delta R.T. -0.01 min
Lab File: BN012681.D
Acq: 21 Nov 2020 11:49

Instrument :
BNA_N
ClientSampleId :
C0AW8DL

Tot Ion:276 Resp: 37355
Ion Ratio Lower Upper
276 100
138 19.6 16.5 24.7
227 0.1 0.1 0.1#



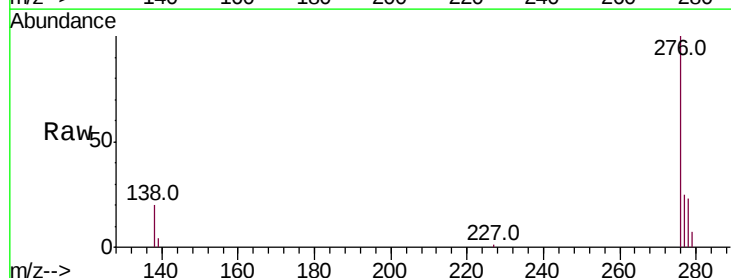
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



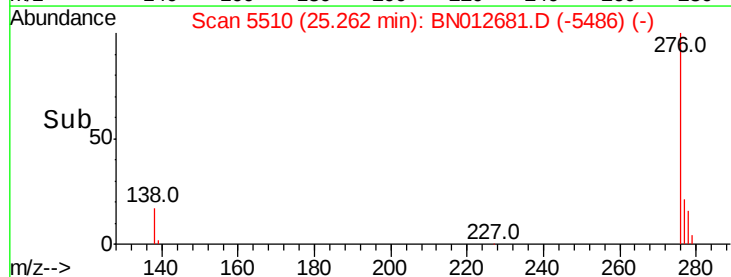
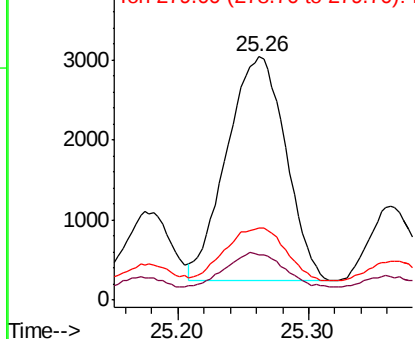
#25

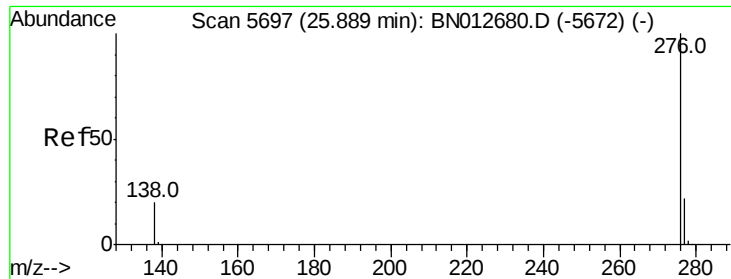
Dibenzo(a,h)anthracene
Concen: 0.457 ng/ul
RT: 25.26 min Scan# 5510
Delta R.T. -0.02 min
Lab File: BN012681.D
Acq: 21 Nov 2020 11:49

Tgt Ion:278 Resp: 8795
Ion Ratio Lower Upper
278 100
139 18.7 13.8 20.8
279 29.4 25.6 38.4



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: 1.612 ng/ul

RT: 25.89 min Scan# 5697

Delta R.T. -0.01 min

Lab File: BN012681.D

Acq: 21 Nov 2020 11:49

Instrument :

BNA_N

ClientSampleId :

C0AW8DL

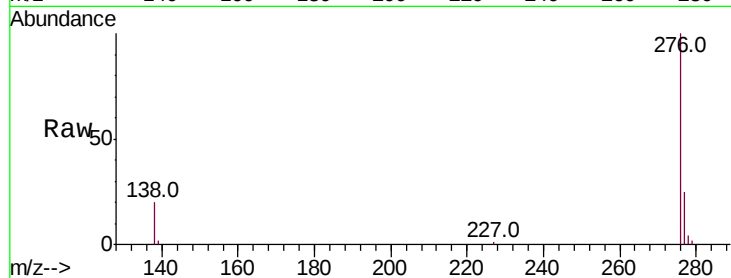
Tot Ion:276 Resp: 34749

Ion Ratio Lower Upper

276 100

138 20.1 16.3 24.5

277 24.7 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

