

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112020\
 Data File : BN012684.D
 Acq On : 21 Nov 2020 13:38
 Operator : CG/JU
 Sample : L4710-13RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B35

Quant Time: Nov 23 01:24:50 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	1212	0.40	ng/ul	0.00
2) Naphthalene-d8	10.21	136	4795	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.10	164	2780	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.85	188	5869	0.40	ng/ul	0.00
16) Chrysene-d12	21.07	240	5251	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	6044	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.81	152	1411	0.20	ng/ul	-0.01
14) Fluoranthene-d10	18.89	212	3294	0.21	ng/ul	0.00

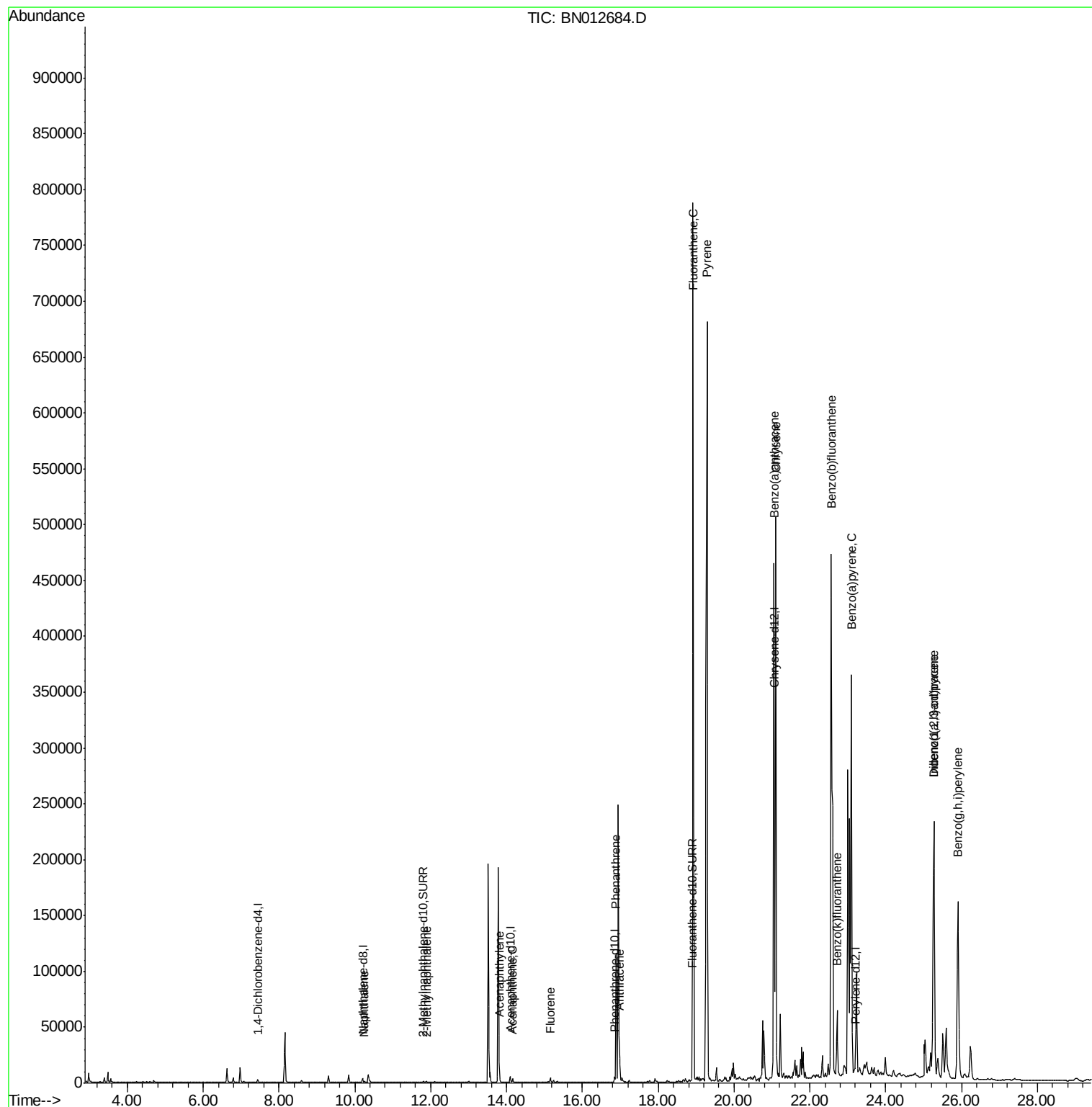
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.25	128	1187	0.082	ng/ul#	90
5) 2-Methylnaphthalene	11.89	142	620	0.067	ng/ul	97
7) Acenaphthylene	13.82	152	2712	0.200	ng/ul	99
8) Acenaphthene	14.16	153	1966	0.172	ng/ul	97
9) Fluorene	15.16	166	2754	0.219	ng/ul	98
12) Phenanthrene	16.89	178	117911	5.774	ng/ul	96
13) Anthracene	16.98	178	21657	1.220	ng/ul	95
15) Fluoranthene	18.92	202	651442	27.630	ng/ul	99
17) Pyrene	19.29	202	547790	23.322	ng/ul	98
18) Benzo(a)anthracene	21.05	228	380854	20.240	ng/ul	98
19) Chrysene	21.10	228	487472	20.739	ng/ul	99
21) Benzo(b)fluoranthene	22.56	252	940303	33.819	ng/ul	89
22) Benzo(k)fluoranthene	22.72	252	68345	2.132	ng/ul	98
23) Benzo(a)pyrene	23.09	252	438944	16.774	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.27	276	333856	9.756	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.27	278	84859	3.086	ng/ul	94
26) Benzo(a,h,i)perylene	25.91	276	307582	9.988	ng/ul	96

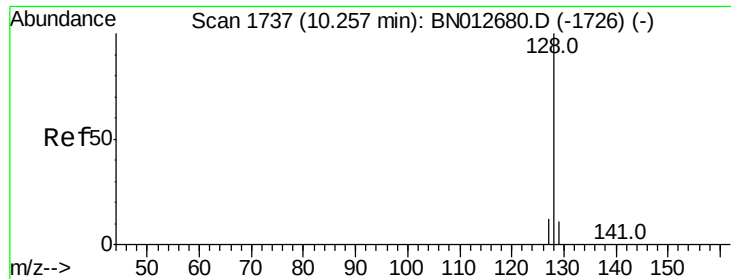
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.082 ng/ul

RT: 10.25 min Scan# 1736

Delta R.T. -0.01 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

Instrument :

BNA_N

ClientSampleId :

C0B35

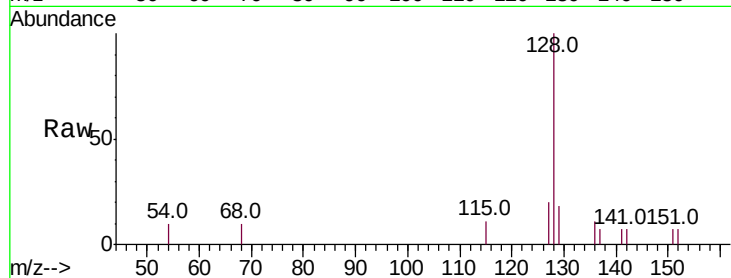
Tot Ion:128 Resp: 1187

Ion Ratio Lower Upper

128 100

129 18.3 11.2 16.8#

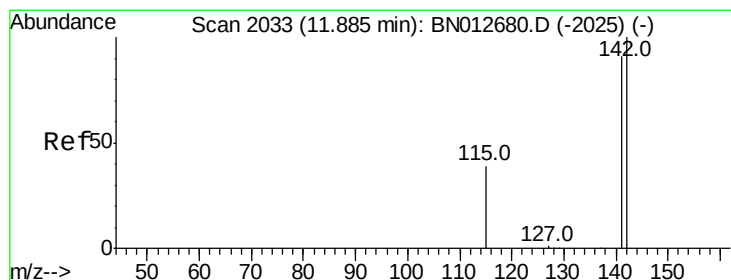
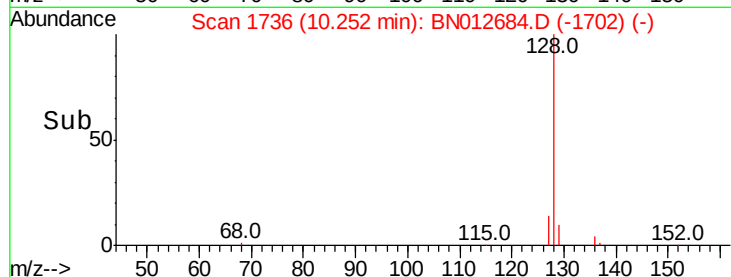
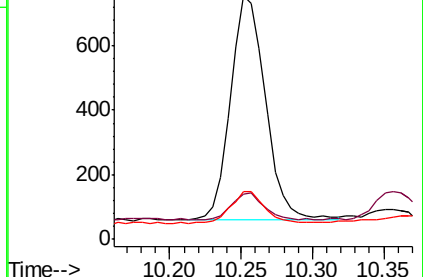
127 19.7 12.5 18.7#



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: 0.067 ng/ul

RT: 11.89 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BN012684.D

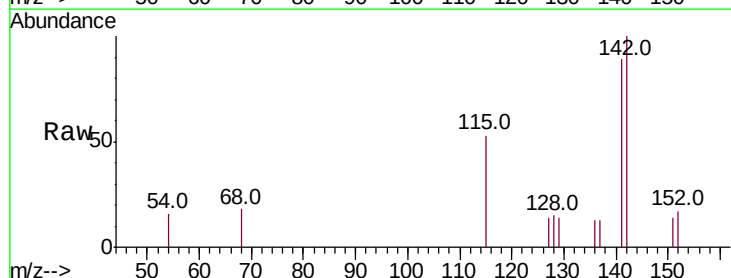
Acq: 21 Nov 2020 13:38

Tgt Ion:142 Resp: 620

Ion Ratio Lower Upper

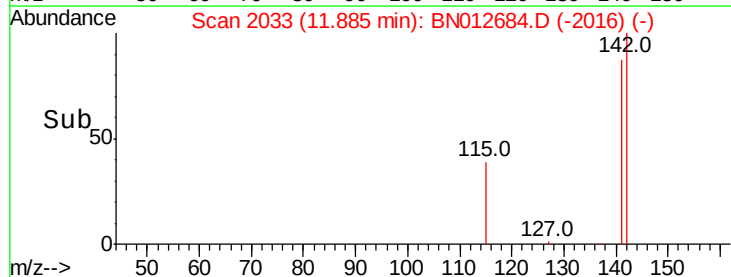
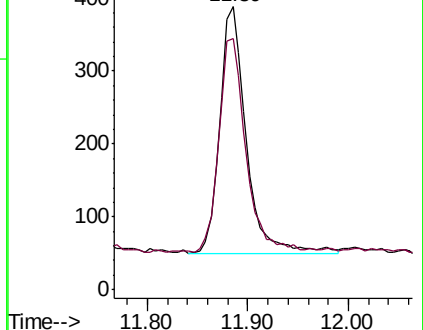
142 100

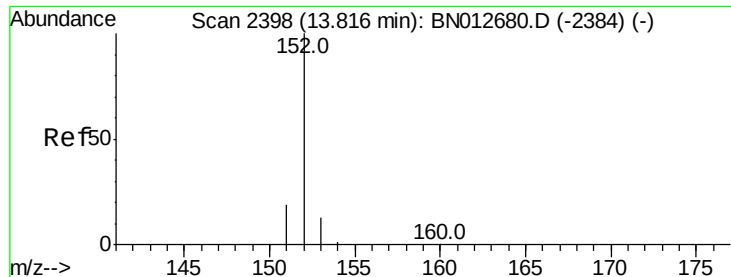
141 87.6 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.200 ng/ul

RT: 13.82 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

Instrument :

BNA_N

ClientSampleId :

C0B35

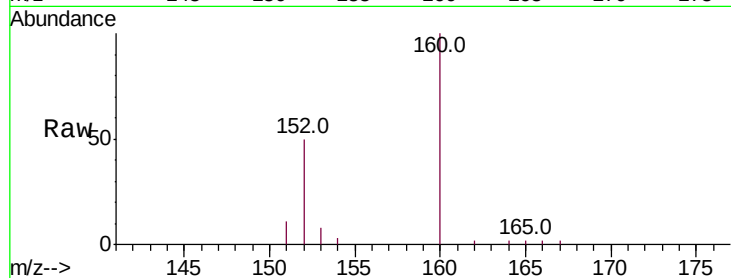
Tot Ion:152 Resp: 2712

Ion Ratio Lower Upper

152 100

151 22.4 17.1 25.7

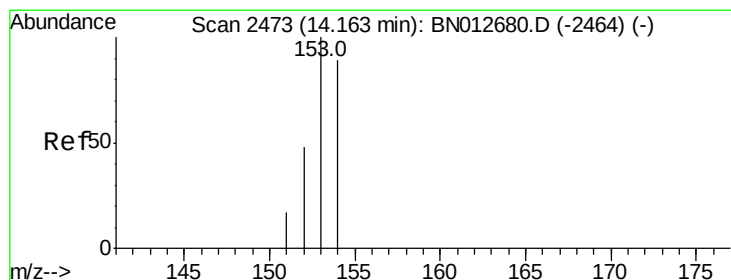
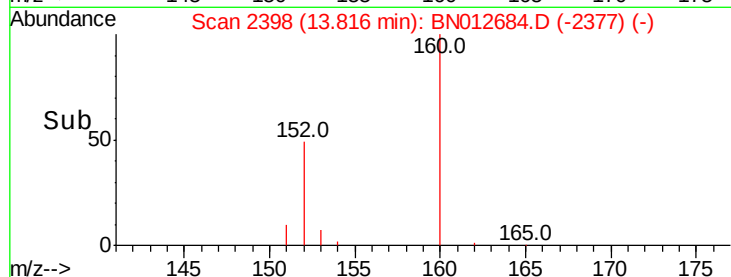
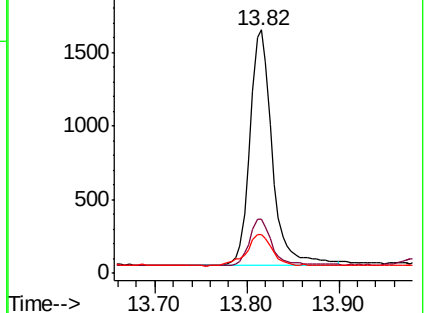
153 16.1 12.6 19.0



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: 0.172 ng/ul

RT: 14.16 min Scan# 2473

Delta R.T. -0.00 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

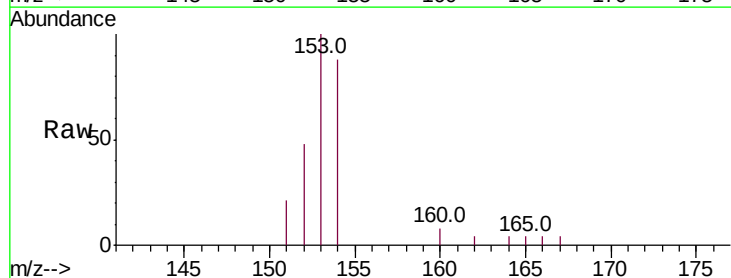
Tgt Ion:153 Resp: 1966

Ion Ratio Lower Upper

153 100

152 47.5 41.4 62.0

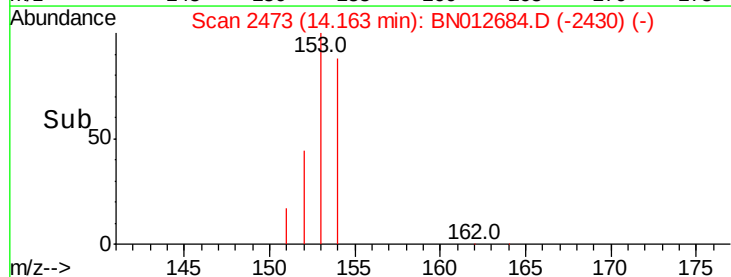
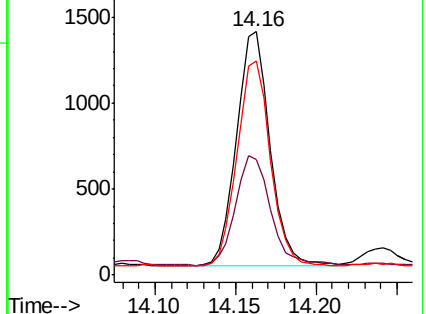
154 88.0 70.9 106.3

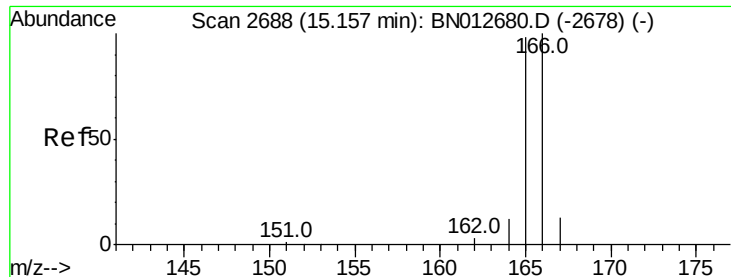


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.219 ng/ul

RT: 15.16 min Scan# 2688

Delta R.T. -0.00 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

Instrument :

BNA_N

ClientSampleId :

C0B35

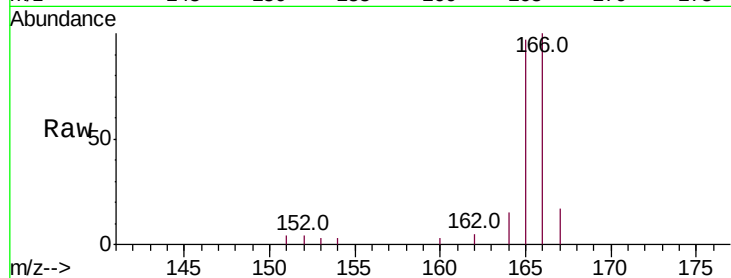
Tot Ion:166 Resp: 2754

Ion Ratio Lower Upper

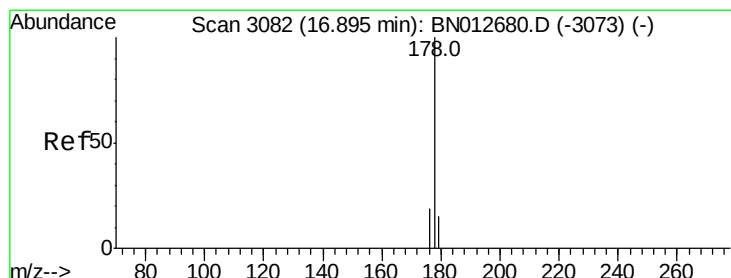
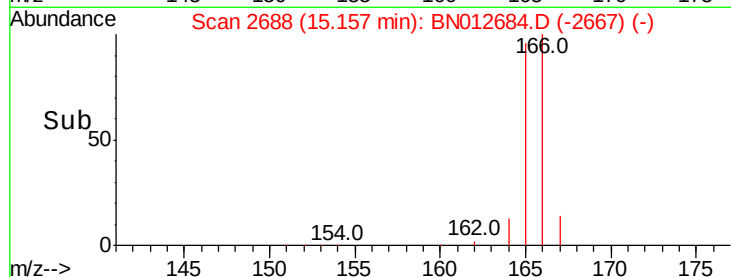
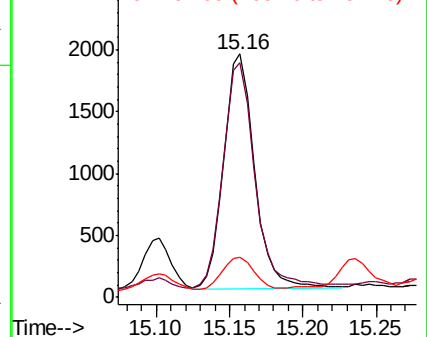
166 100

165 96.6 78.5 117.7

167 16.7 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: 5.774 ng/ul

RT: 16.89 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

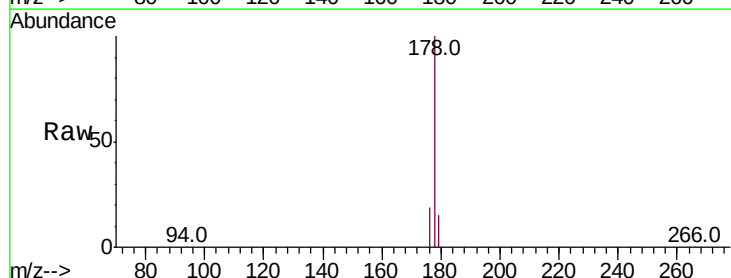
Tgt Ion:178 Resp: 117911

Ion Ratio Lower Upper

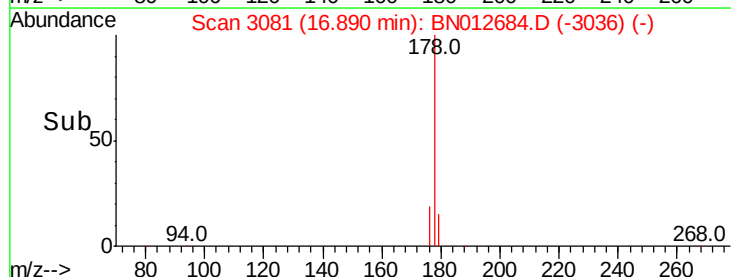
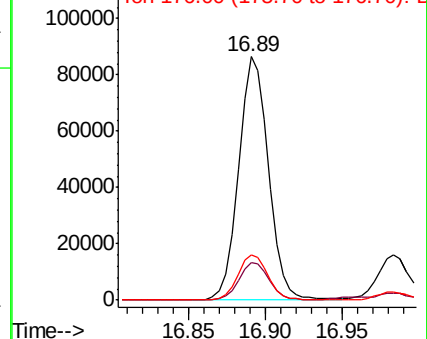
178 100

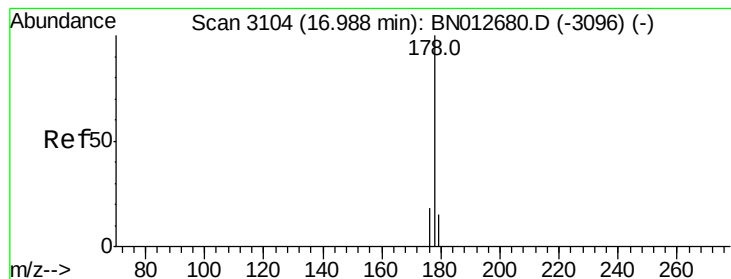
179 15.3 13.8 20.6

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: 1.220 ng/ul

RT: 16.98 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

Instrument :

BNA_N

ClientSampleId :

C0B35

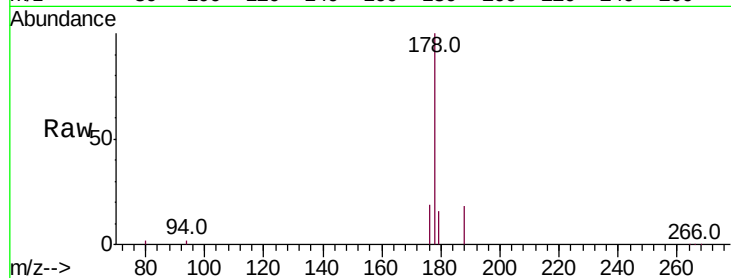
Tot Ion:178 Resp: 21657

Ion Ratio Lower Upper

178 100

179 15.9 14.8 22.2

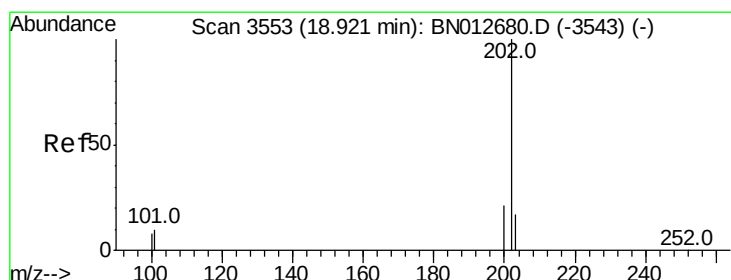
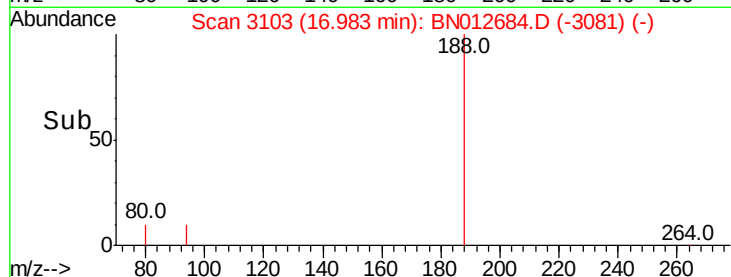
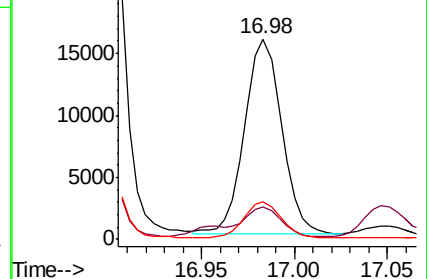
176 18.5 16.3 24.5



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: 27.630 ng/ul

RT: 18.92 min Scan# 3553

Delta R.T. -0.00 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

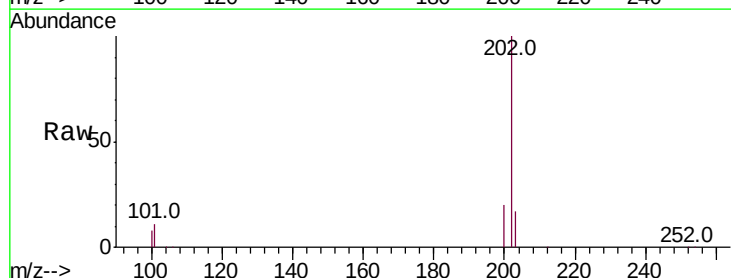
Tgt Ion:202 Resp: 651442

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.5

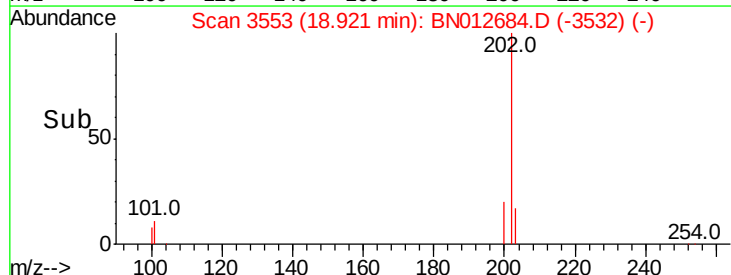
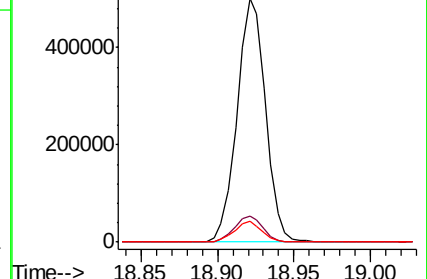
100 8.4 0.0 28.4

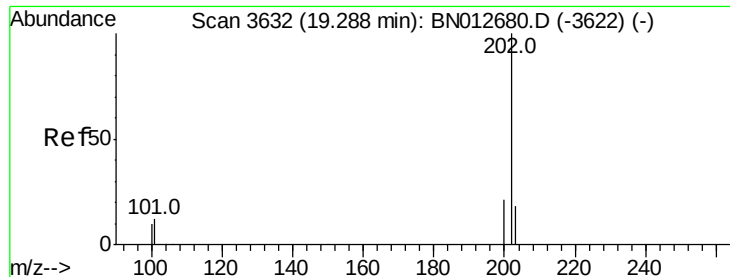


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 23.322 ng/ul

RT: 19.29 min Scan# 3632

Delta R.T. -0.00 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

Instrument :

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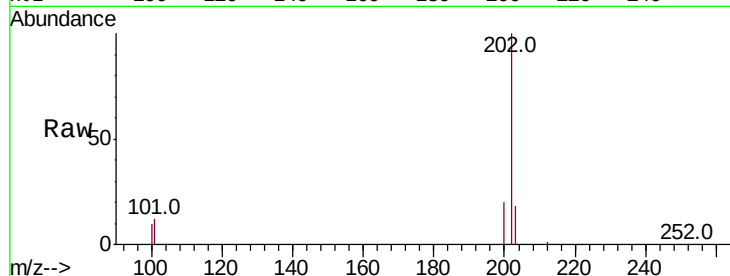
Tot Ion:202 Resp: 547790

Ion Ratio Lower Upper

202 100

101 12.1 8.9 13.3

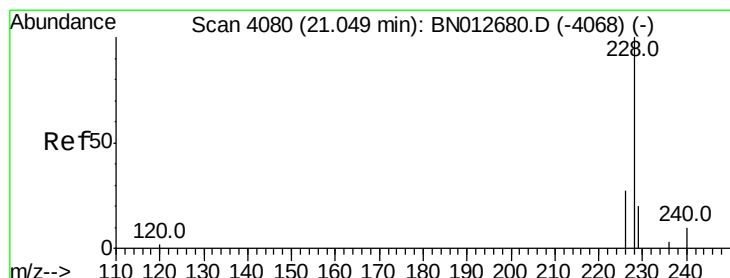
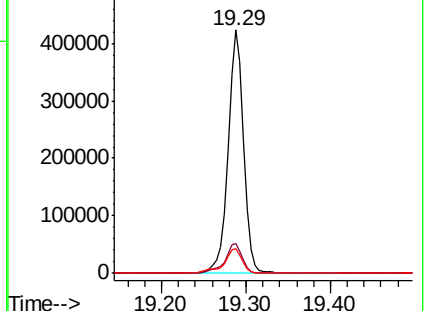
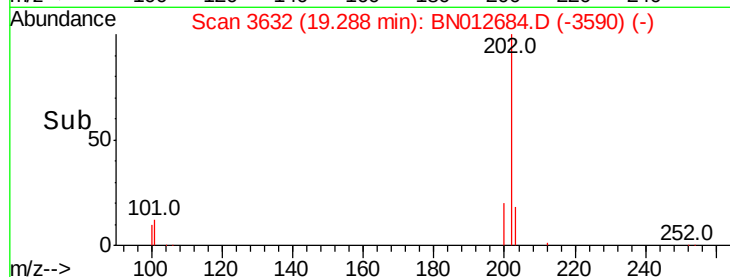
100 9.9 7.4 11.2



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: 20.240 ng/ul

RT: 21.05 min Scan# 4081

Delta R.T. -0.00 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

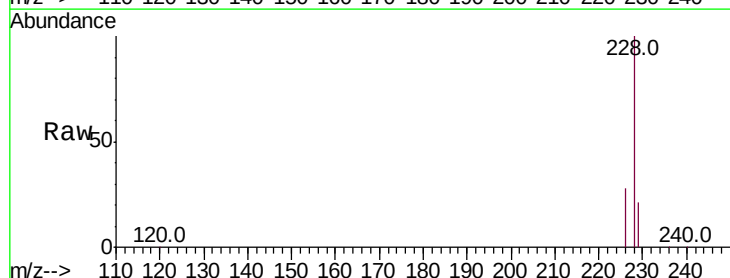
Tgt Ion:228 Resp: 380854

Ion Ratio Lower Upper

228 100

229 20.8 16.9 25.3

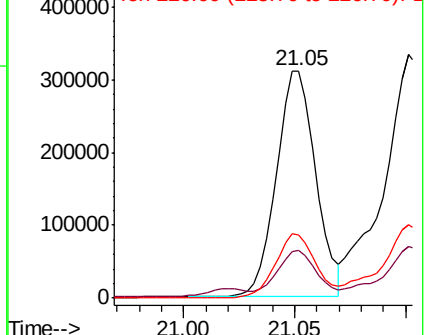
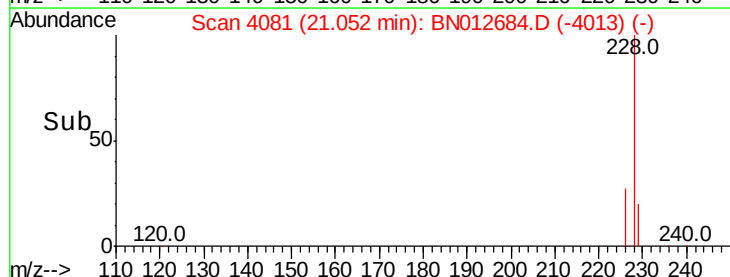
226 27.5 23.1 34.7

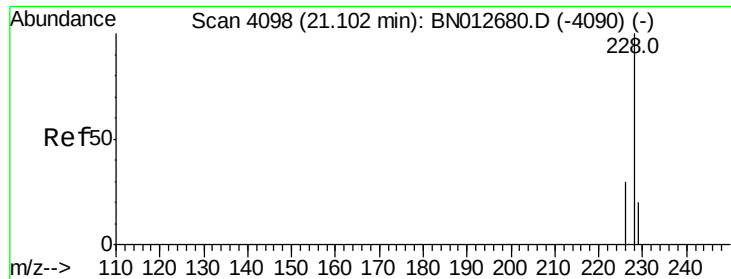


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 20.739 ng/ul

RT: 21.10 min Scan# 4098

Delta R.T. -0.00 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

Instrument :

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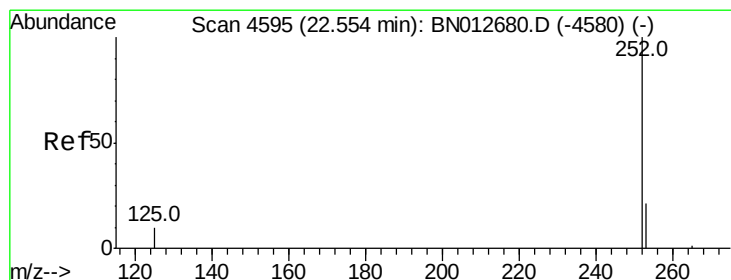
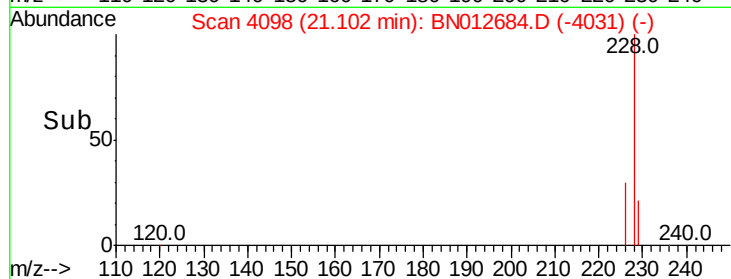
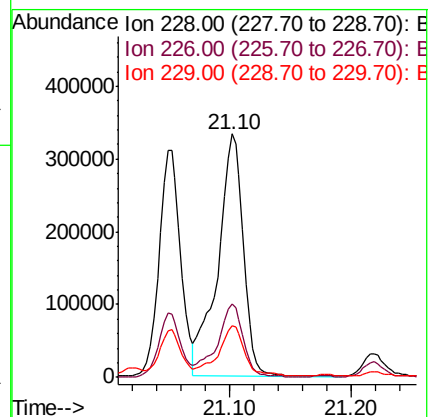
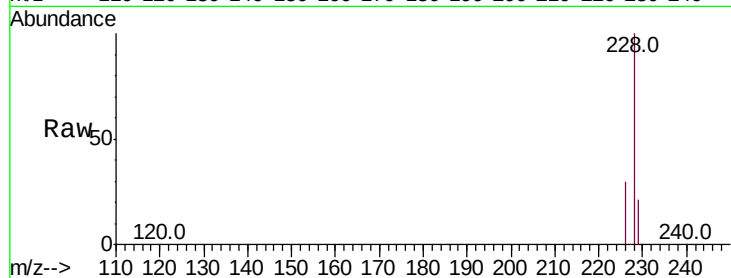
Tot Ion:228 Resp: 487472

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 21.0 16.1 24.1



#21

Benzo(b)fluoranthene

Concen: 33.819 ng/ul

RT: 22.56 min Scan# 4598

Delta R.T. 0.00 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

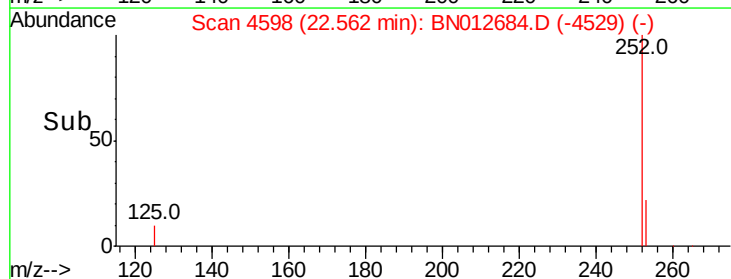
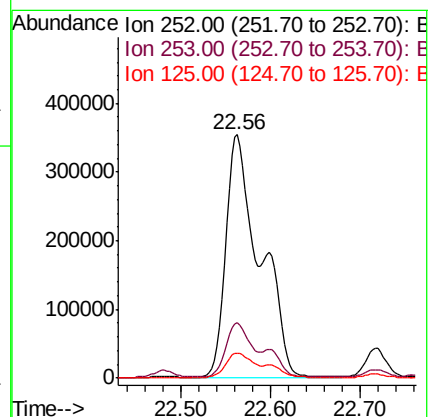
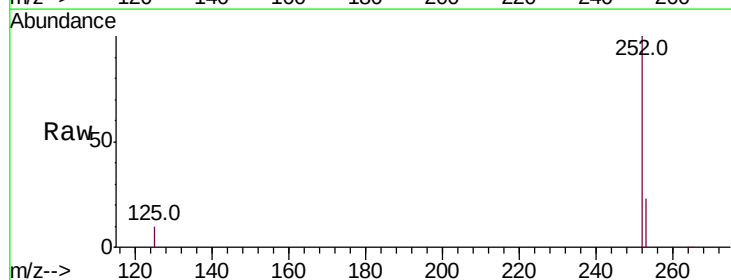
Tgt Ion:252 Resp: 940303

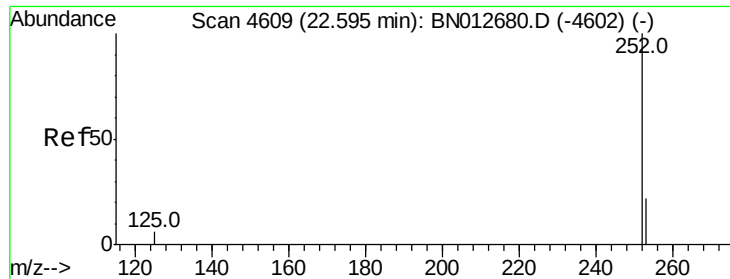
Ion Ratio Lower Upper

252 100

253 22.7 0.0 58.4

125 10.3 0.0 28.6





#22

Benzo(k)fluoranthene

Concen: 2.132 ng/ul

RT: 22.72 min Scan# 4651

Delta R.T. 0.12 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

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C0B35

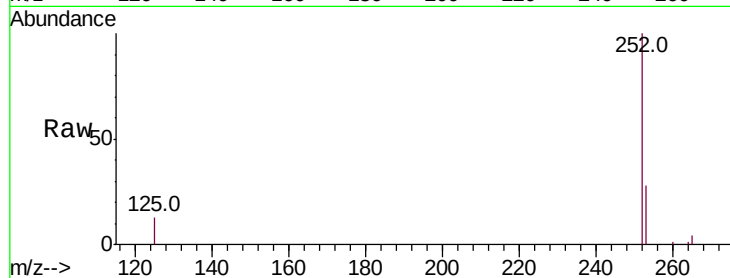
Tot Ion:252 Resp: 68345

Ion Ratio Lower Upper

252 100

253 27.8 23.4 35.2

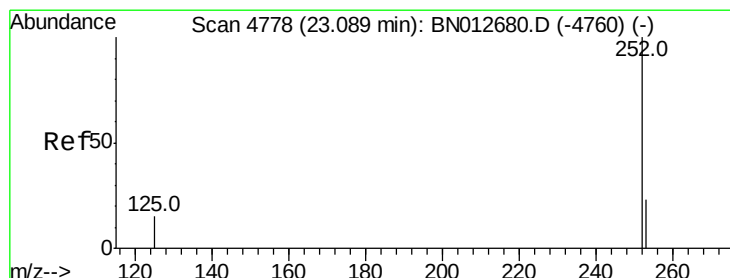
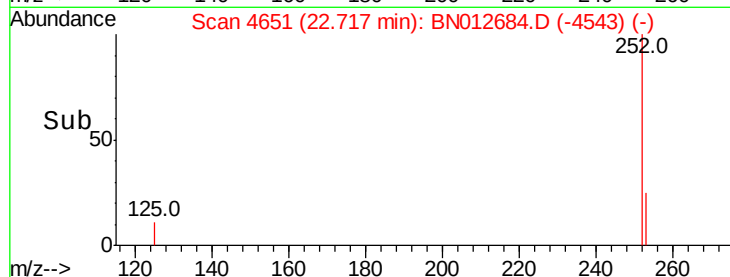
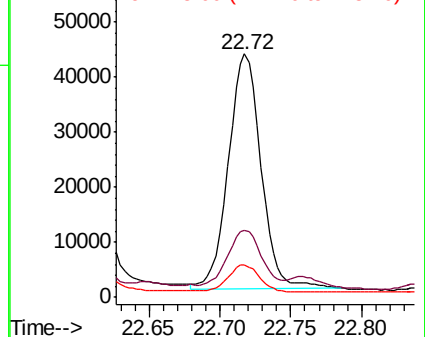
125 13.2 10.2 15.2



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: 16.774 ng/ul

RT: 23.09 min Scan# 4780

Delta R.T. -0.00 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

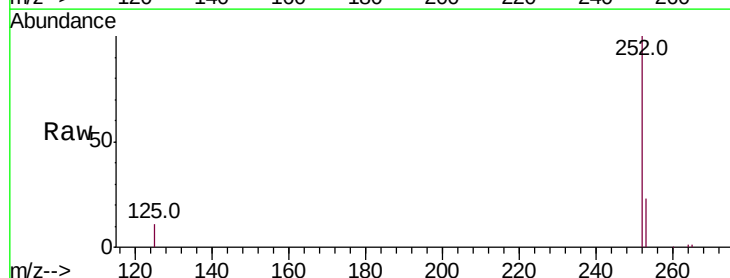
Tgt Ion:252 Resp: 438944

Ion Ratio Lower Upper

252 100

253 22.8 27.6 41.4#

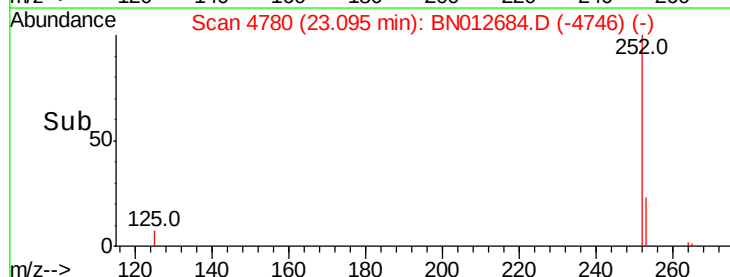
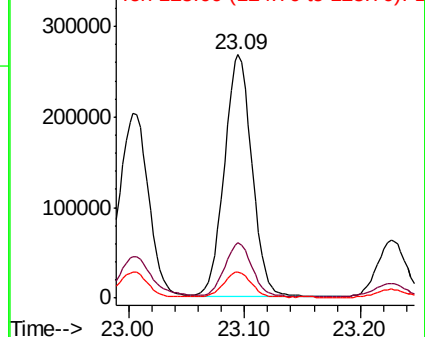
125 10.9 17.0 25.4#

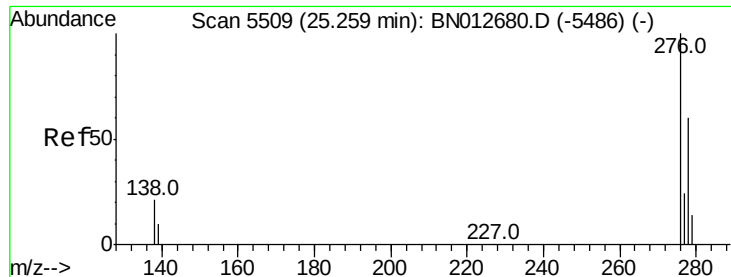


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



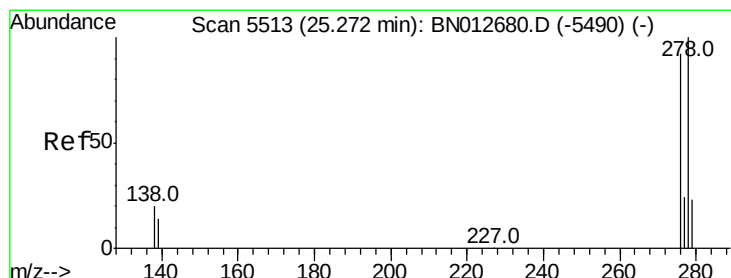
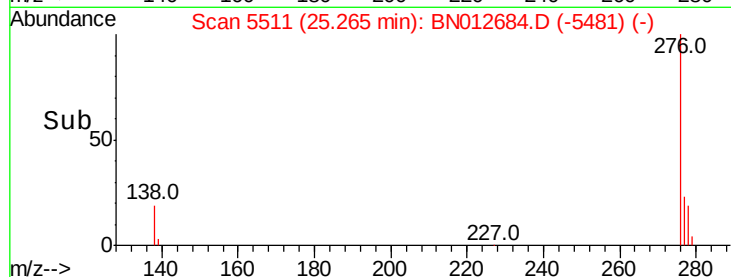
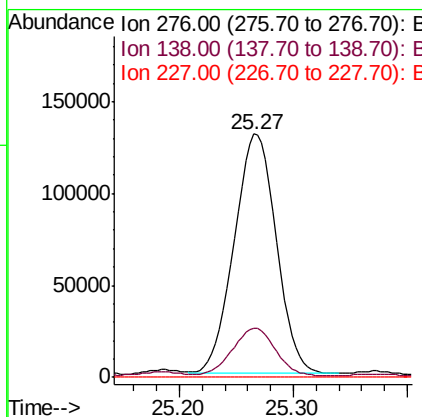
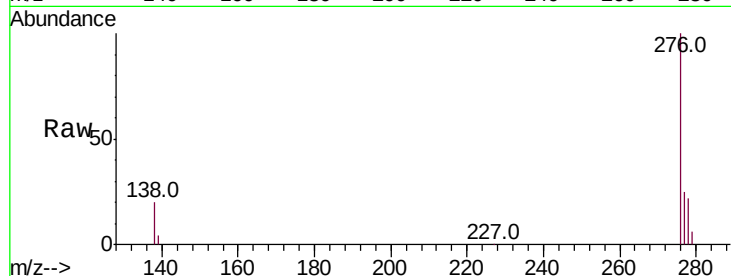


#24

Indeno(1,2,3-cd)pyrene
Concen: 9.756 ng/ul
RT: 25.27 min Scan# 5511
Delta R.T. -0.00 min
Lab File: BN012684.D
Acq: 21 Nov 2020 13:38

Instrument :
BNA_N
ClientSampleId :
C0B35

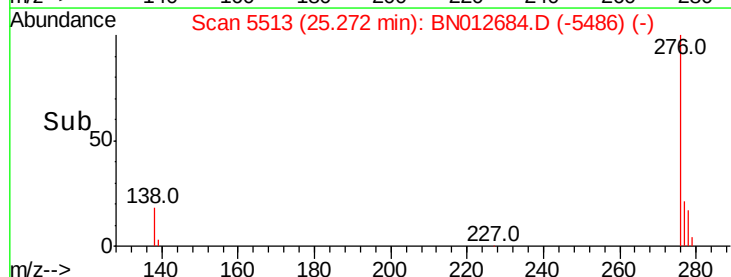
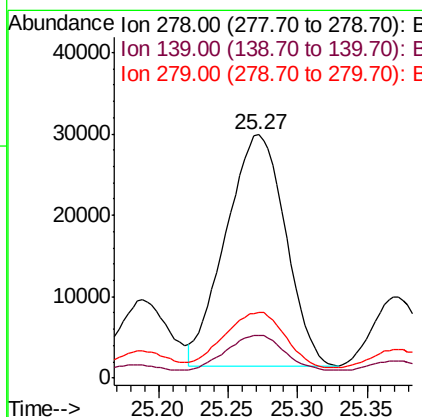
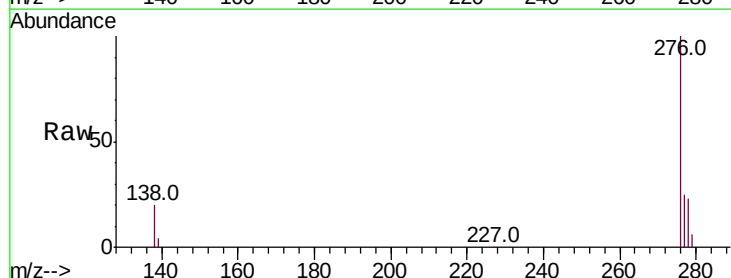
Tot Ion:276 Resp: 333856
Ion Ratio Lower Upper
276 100
138 20.0 16.5 24.7
227 0.2 0.1 0.1#

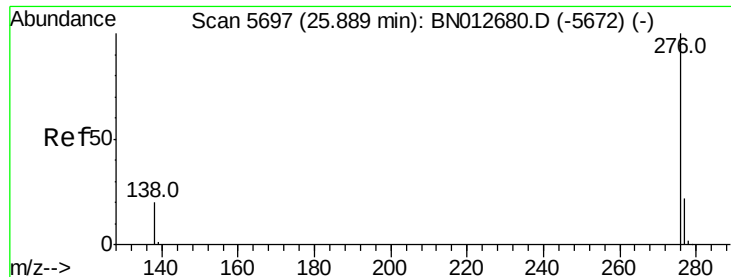


#25

Dibenzo(a,h)anthracene
Concen: 3.086 ng/ul
RT: 25.27 min Scan# 5513
Delta R.T. -0.01 min
Lab File: BN012684.D
Acq: 21 Nov 2020 13:38

Tgt Ion:278 Resp: 84859
Ion Ratio Lower Upper
278 100
139 17.6 13.8 20.8
279 26.9 25.6 38.4





#26

Benzo(a,h,i)perylene

Concen: 9.988 ng/ul

RT: 25.91 min Scan# 5702

Delta R.T. 0.01 min

Lab File: BN012684.D

Acq: 21 Nov 2020 13:38

Instrument :

BNA_N

ClientSampleId :

C0B35

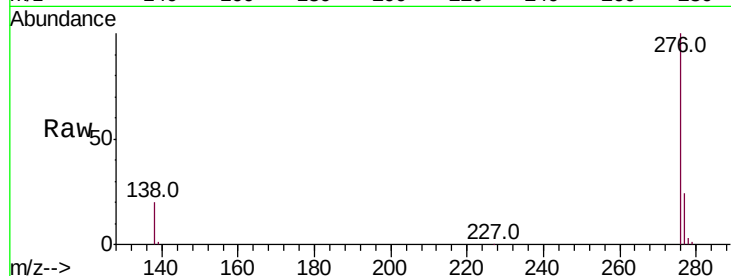
Tot Ion:276 Resp: 307582

Ion Ratio Lower Upper

276 100

138 20.4 16.3 24.5

277 23.9 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

