

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008953.D
 Acq On : 12 Dec 2019 19:39
 Operator : JU
 Sample : K6089-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 13 00:51:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 12 00:49:42 2019
 Response via : Initial Calibration

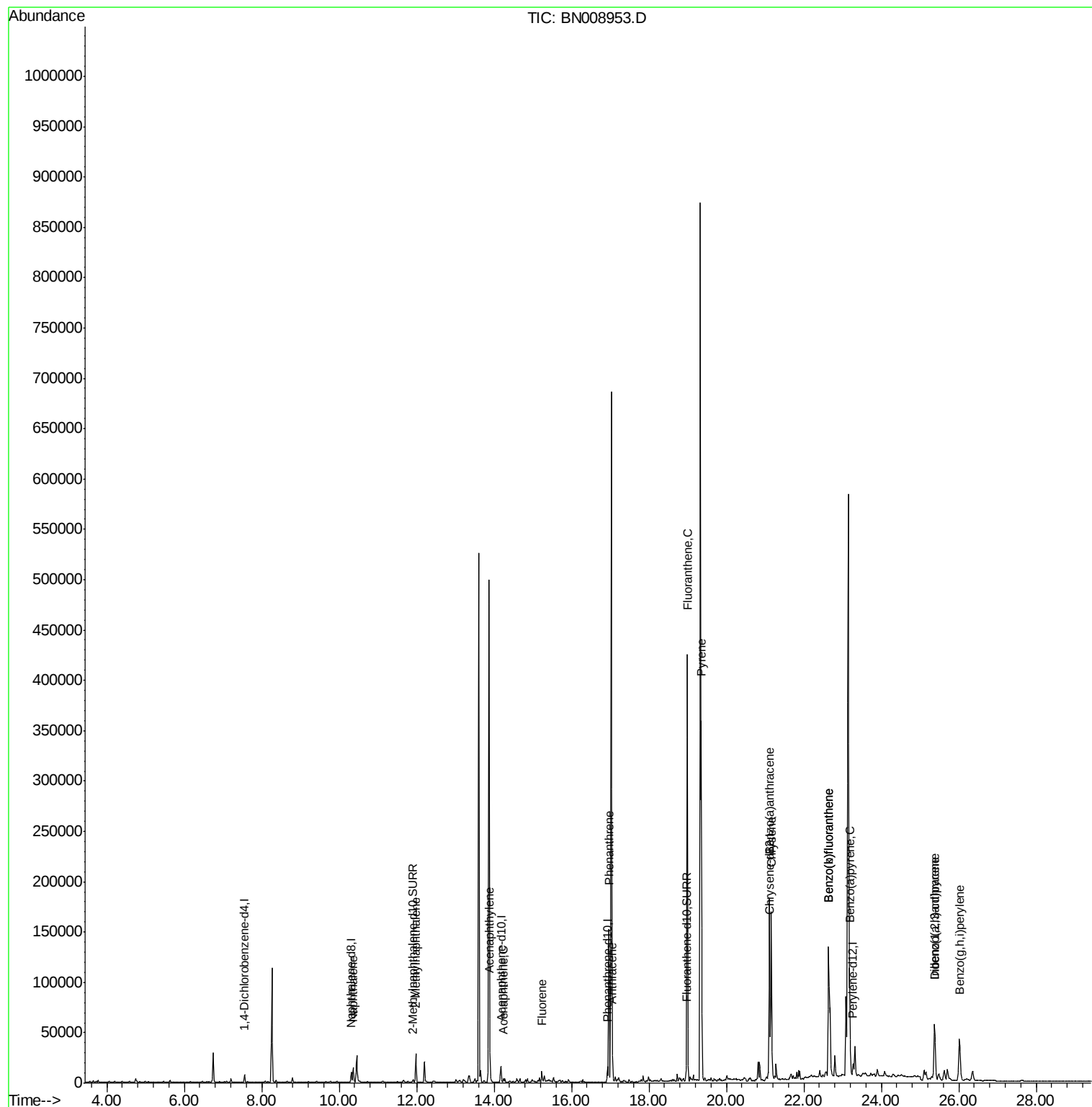
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2620	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11518	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7618	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	16923	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14353	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	14993	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	3920	0.21	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	10716	0.21	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.36	128	19731	0.568	ng/ul	99
5) 2-Methylnaphthalene	11.98	142	20252	0.835	ng/ul	100
7) Acenaphthylene	13.90	152	14711	0.349	ng/ul	98
8) Acenaphthene	14.25	153	2242	0.072	ng/ul	98
9) Fluorene	15.24	166	5802	0.158	ng/ul#	90
12) Phenanthrene	16.97	178	153016	2.681	ng/ul	99
13) Anthracene	17.06	178	22408	0.416	ng/ul	98
15) Fluoranthene	18.99	202	343734	4.902	ng/ul	99
17) Pyrene	19.36	202	283505	4.923	ng/ul	97
18) Benzo(a)anthracene	21.11	228	148501	2.573	ng/ul	96
19) Chrysene	21.17	228	160023	2.823	ng/ul	97
21) Benzo(b)fluoranthene	22.64	252	261092	4.223	ng/ul	96
22) Benzo(k)fluoranthene	22.64	252	261092	4.258	ng/ul#	94
23) Benzo(a)pyrene	23.18	252	130253	2.245	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.38	276	80328	1.184	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.38	278	21257	0.388	ng/ul#	90
26) Benzo(a,h,i)perylene	26.02	276	79624	1.402	ng/ul	97

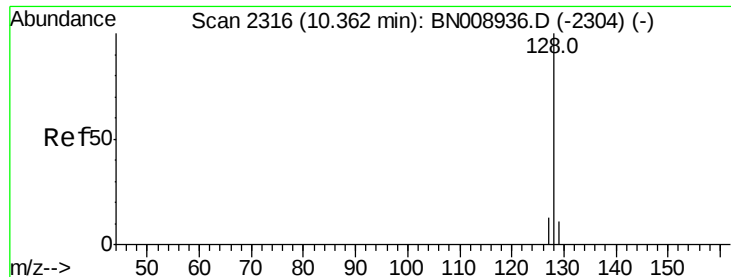
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.568 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

Instrument :

BNA_N

ClientSampleId :

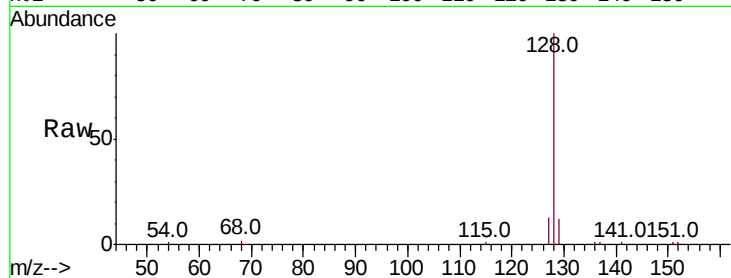
Tot Ion:128 Resp: 19731

Ion Ratio Lower Upper

128 100

129 11.8 9.1 13.7

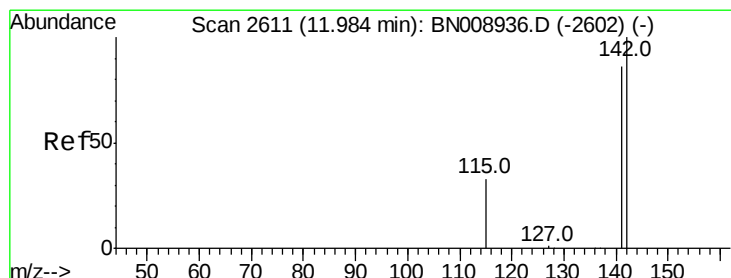
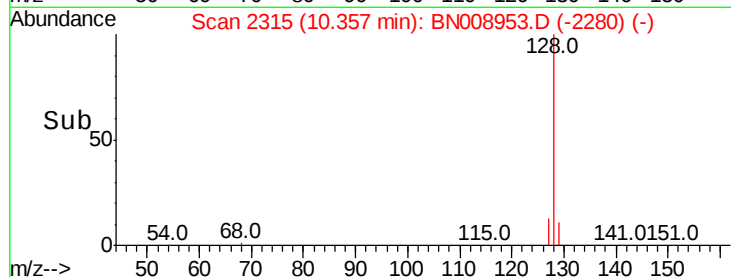
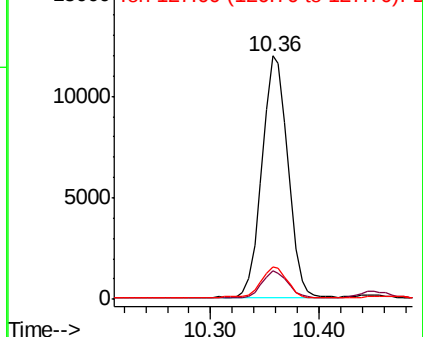
127 13.3 10.7 16.1



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: 0.835 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BN008953.D

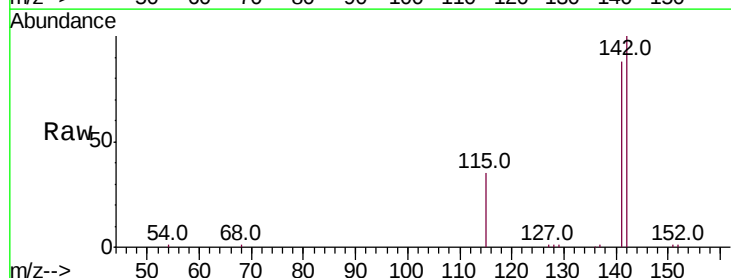
Acq: 12 Dec 2019 19:39

Tgt Ion:142 Resp: 20252

Ion Ratio Lower Upper

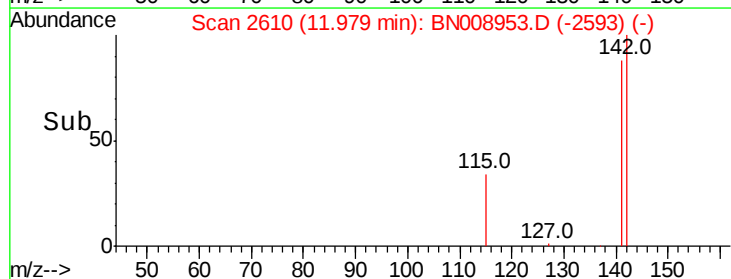
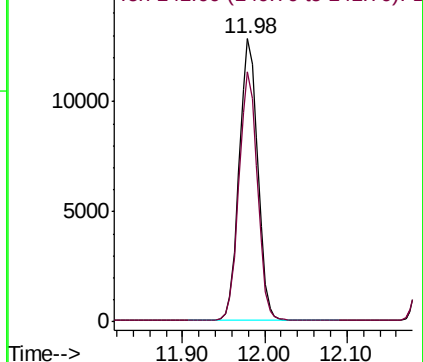
142 100

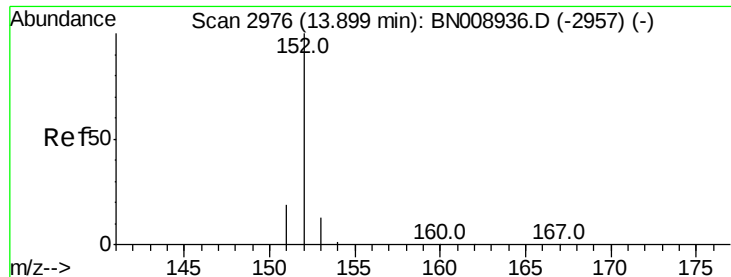
141 87.8 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.349 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

Instrument :

BNA_N

ClientSampleId :

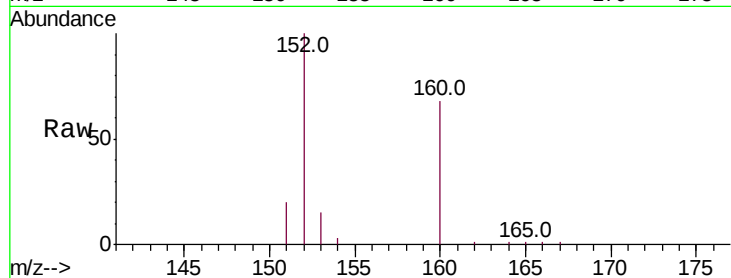
Tot Ion:152 Resp: 14711

Ion Ratio Lower Upper

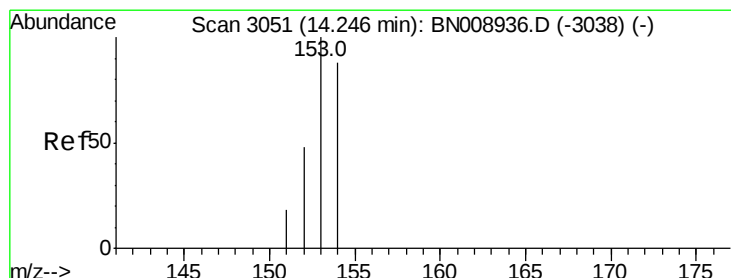
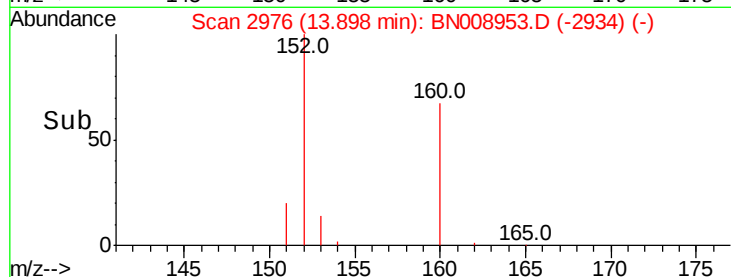
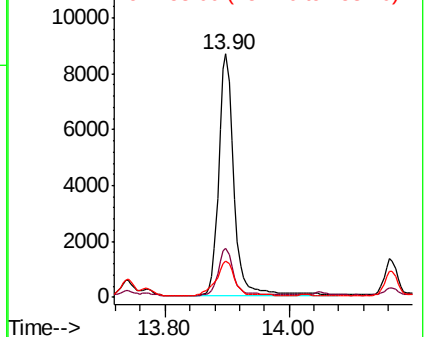
152 100

151 20.3 15.8 23.6

153 14.9 10.6 15.8



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: 0.072 ng/ul

RT: 14.25 min Scan# 3051

Delta R.T. -0.00 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

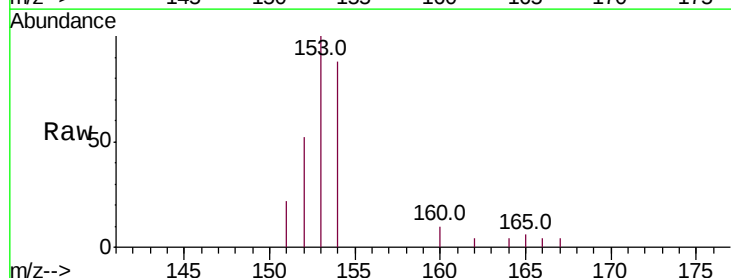
Tgt Ion:153 Resp: 2242

Ion Ratio Lower Upper

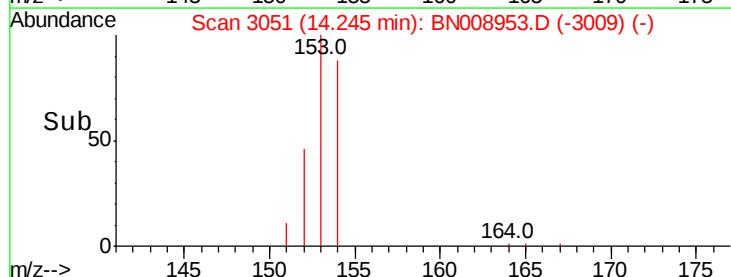
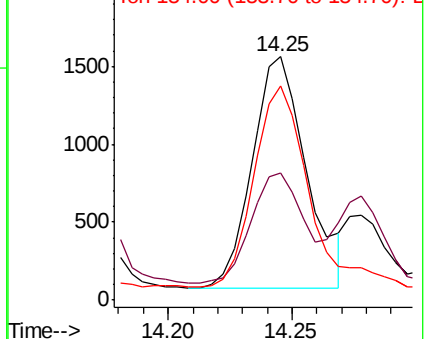
153 100

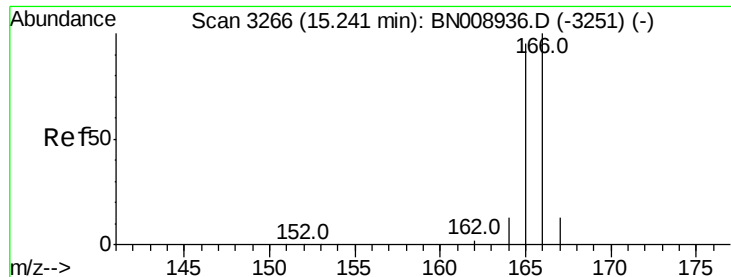
152 52.1 38.6 58.0

154 88.1 70.6 105.8



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: 0.158 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

Instrument :

BNA_N

ClientSampleId :

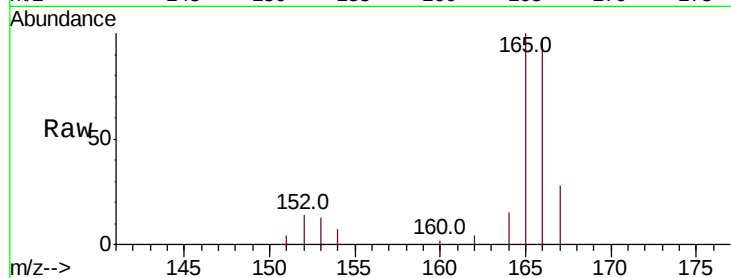
Tot Ion:166 Resp: 5802

Ion Ratio Lower Upper

166 100

165 102.8 77.7 116.5

167 28.5 11.1 16.7#

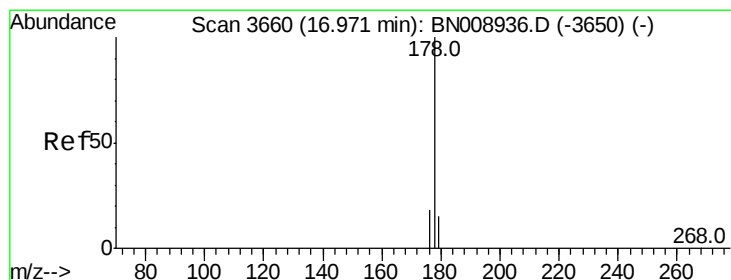
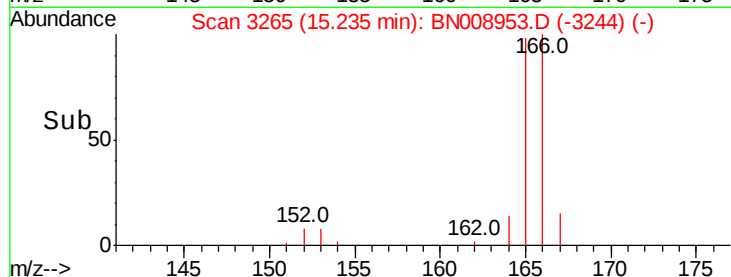
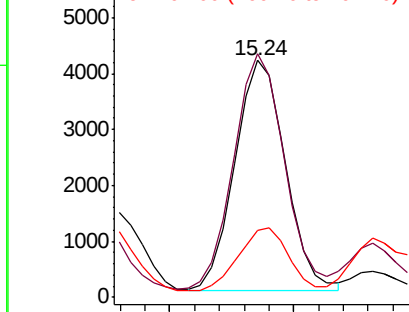


Abundance

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: 2.681 ng/ul

RT: 16.97 min Scan# 3660

Delta R.T. 0.00 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

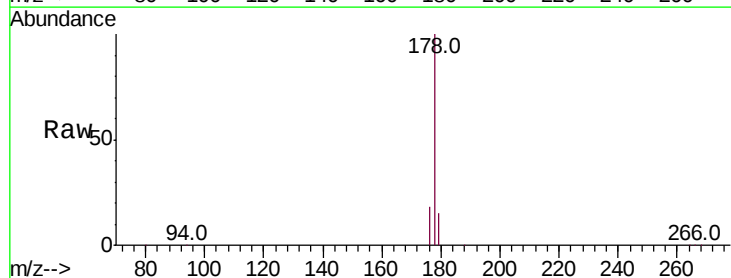
Tgt Ion:178 Resp: 153016

Ion Ratio Lower Upper

178 100

179 15.3 12.6 18.8

176 18.4 15.3 22.9

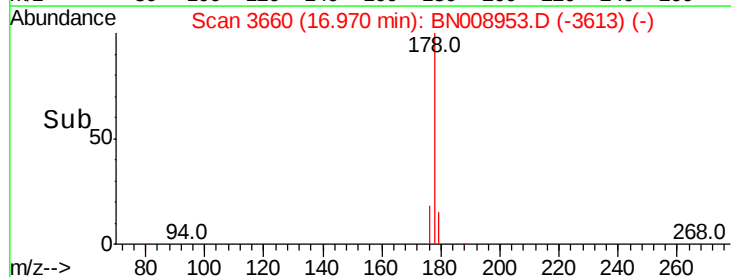
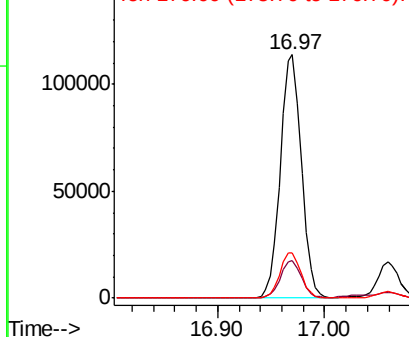


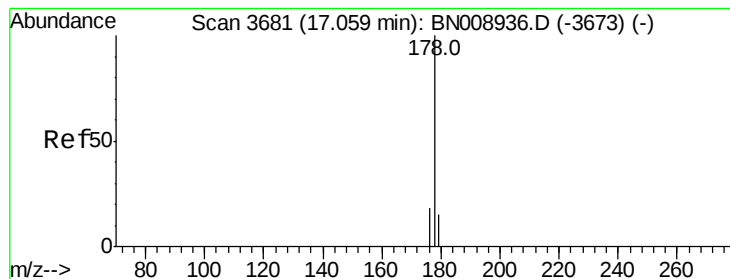
Abundance

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: 0.416 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

Instrument :

BNA_N

ClientSampleId :

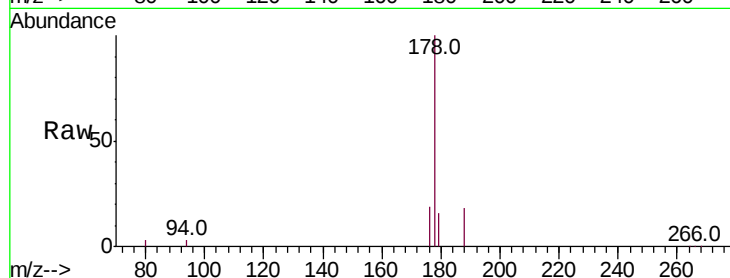
Tot Ion:178 Resp: 22408

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.4

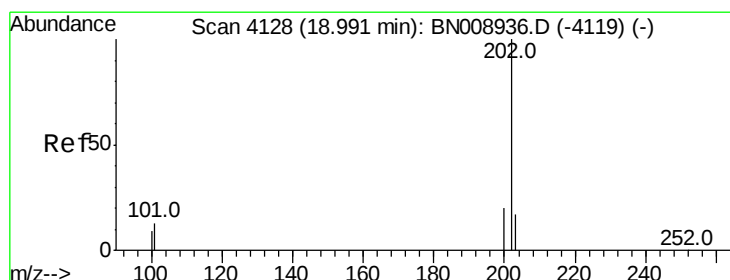
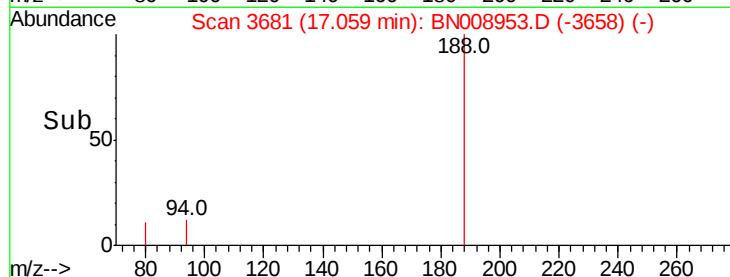
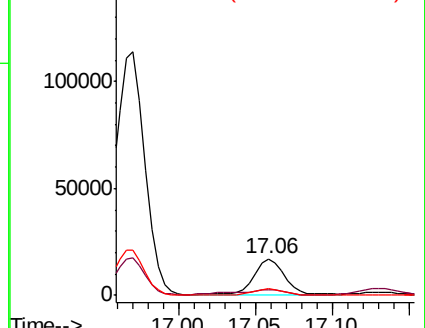
176 18.6 14.7 22.1



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



#15

Fluoranthene

Concen: 4.902 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

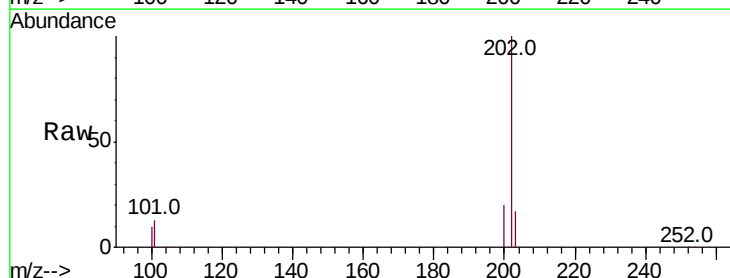
Tgt Ion:202 Resp: 343734

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.4

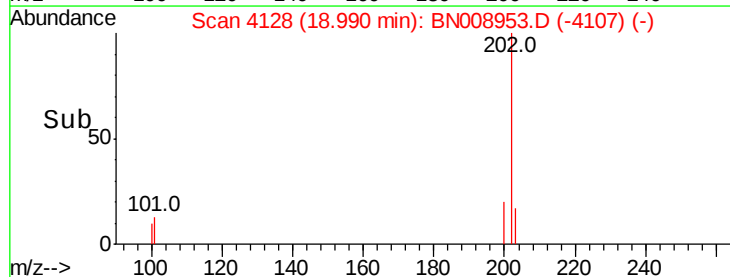
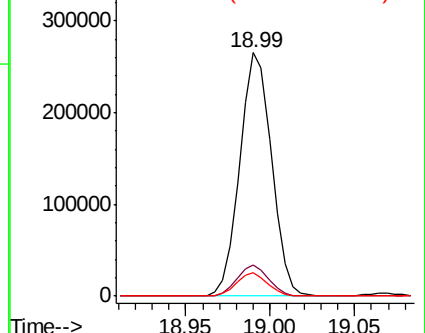
100 9.6 0.0 29.2

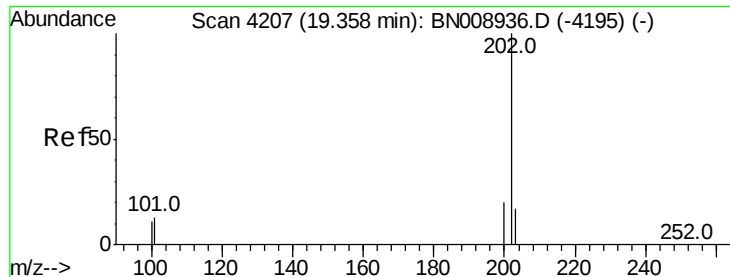


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

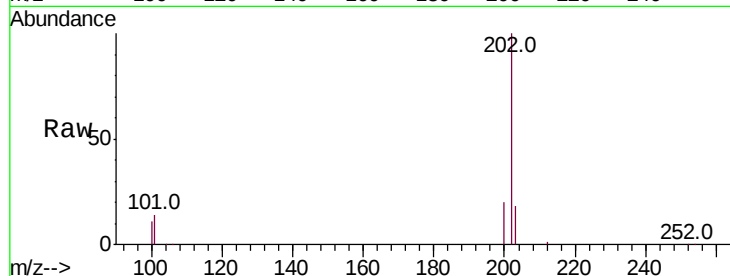




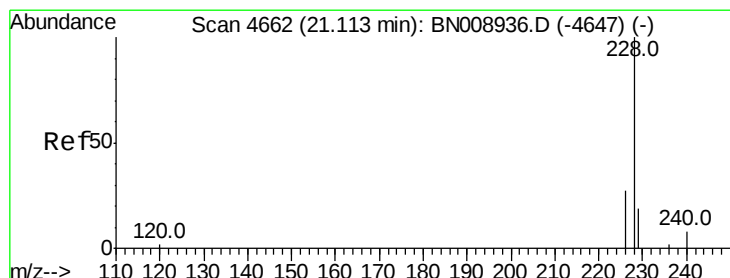
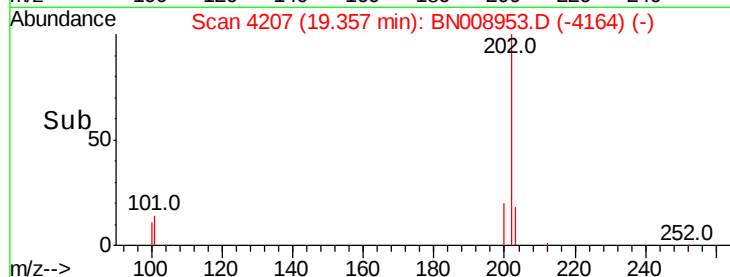
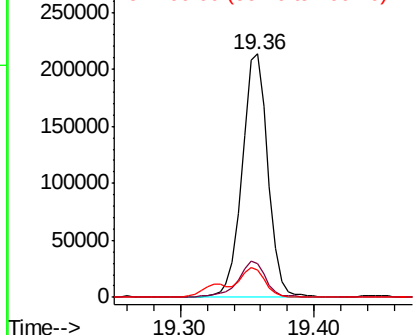
#17
Pvrene
Concen: 4.923 ng/ul
RT: 19.36 min Scan# 4207
Delta R.T. 0.00 min
Lab File: BN008953.D
Acq: 12 Dec 2019 19:39

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.8	12.2	18.4
100	11.0	9.5	14.3

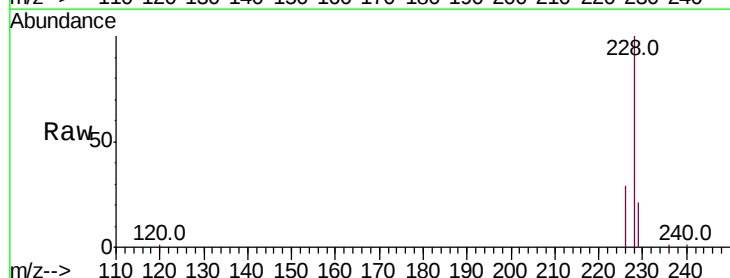


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

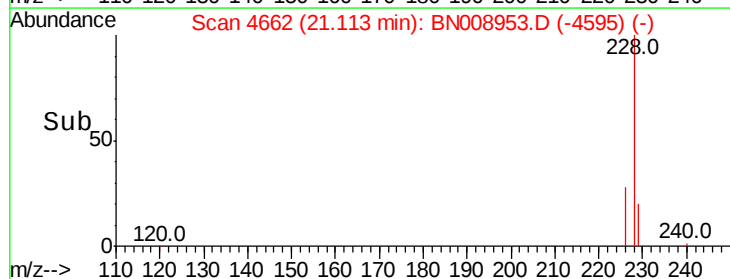
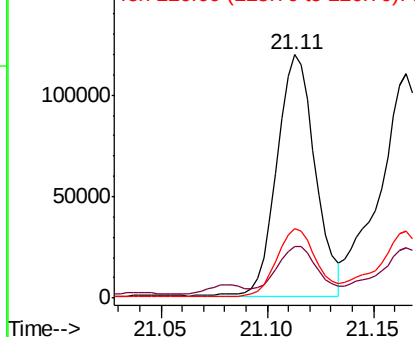


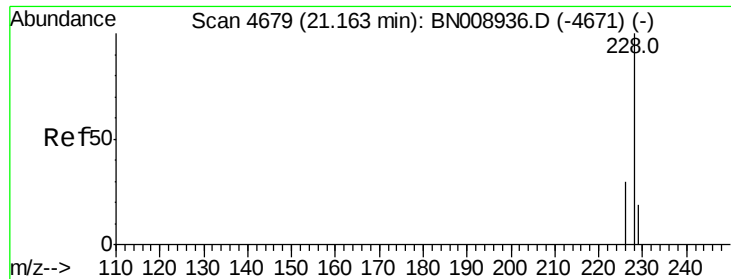
#18
Benzo(a)anthracene
Concen: 2.573 ng/ul
RT: 21.11 min Scan# 4662
Delta R.T. -0.01 min
Lab File: BN008953.D
Acq: 12 Dec 2019 19:39

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.7	23.5
226	28.7	21.5	32.3



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: 2.823 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. -0.01 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

Instrument :

BNA_N

ClientSampleId :

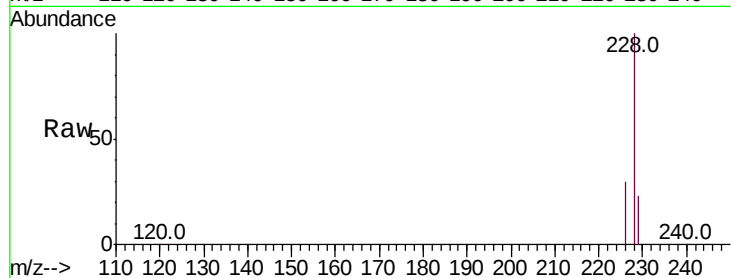
Tot Ion:228 Resp: 160023

Ion Ratio Lower Upper

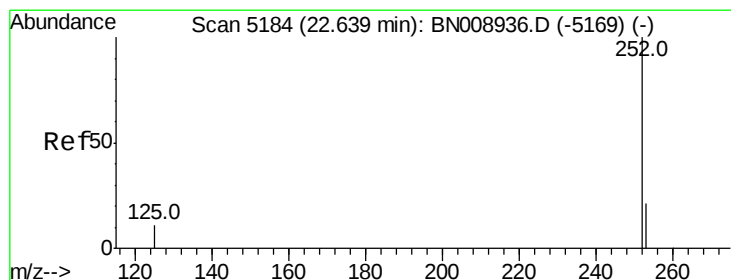
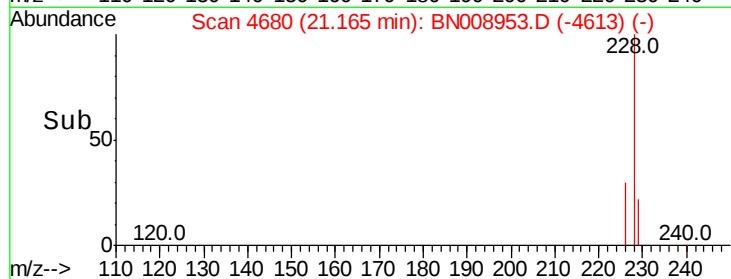
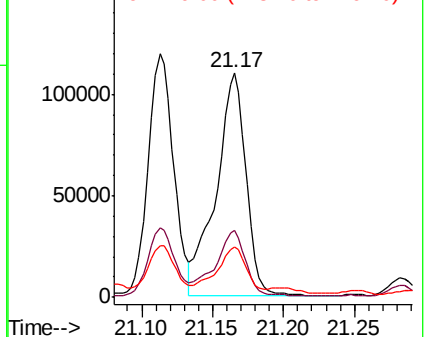
228 100

226 29.9 23.8 35.6

229 22.6 15.6 23.4



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: 4.223 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. -0.01 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

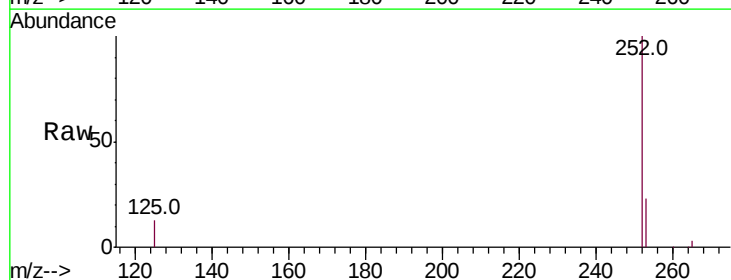
Tgt Ion:252 Resp: 261092

Ion Ratio Lower Upper

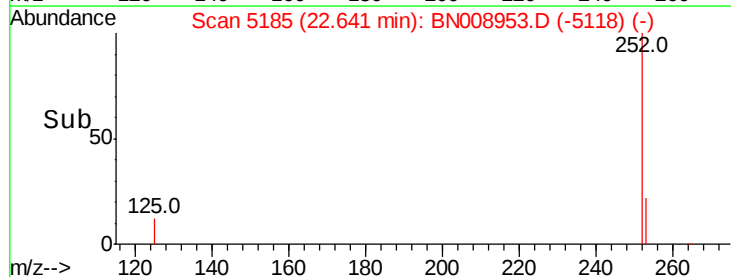
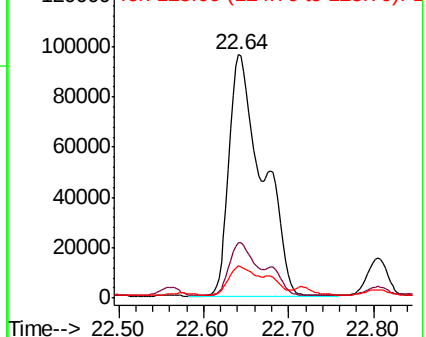
252 100

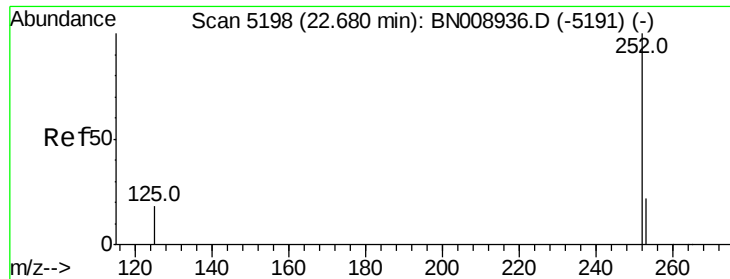
253 22.9 0.0 48.6

125 13.1 0.0 31.6



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: 4.258 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. -0.05 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

Instrument :

BNA_N

ClientSampleId :

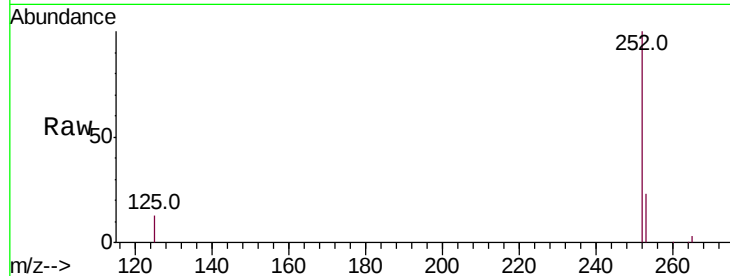
Tot Ion:252 Resp: 261092

Ion Ratio Lower Upper

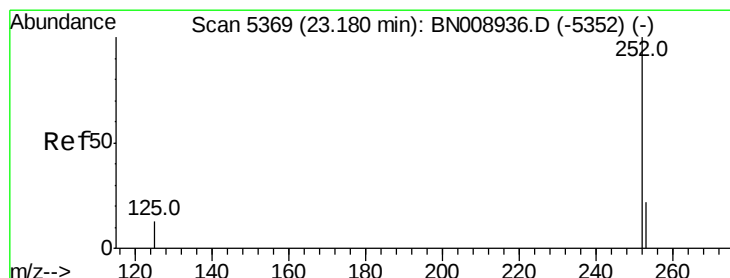
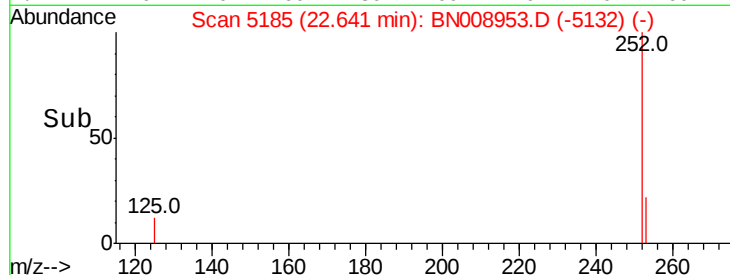
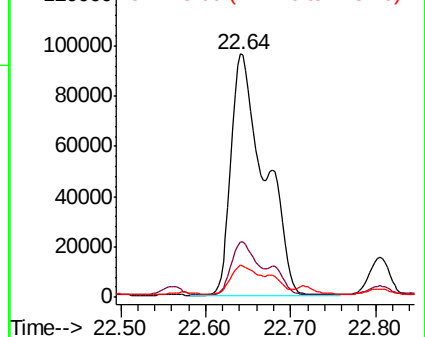
252 100

253 22.9 19.6 29.4

125 13.1 13.8 20.6#



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



#23

Benzo(a)pyrene

Concen: 2.245 ng/ul

RT: 23.18 min Scan# 5370

Delta R.T. -0.01 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

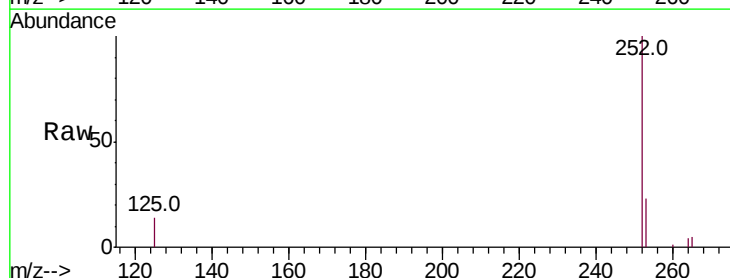
Tgt Ion:252 Resp: 130253

Ion Ratio Lower Upper

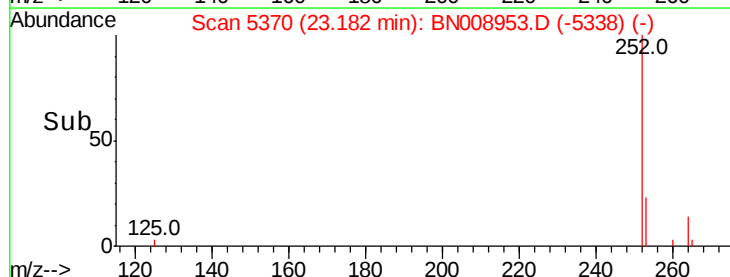
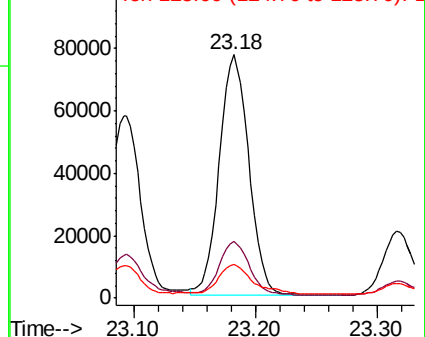
252 100

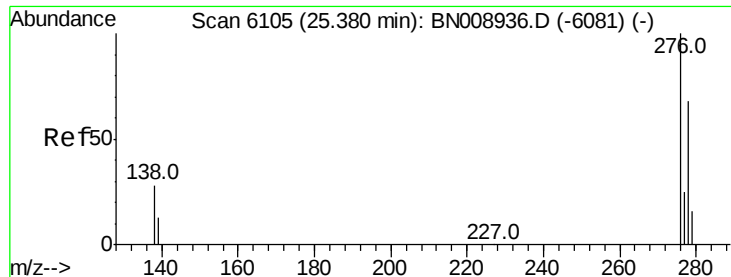
253 23.2 19.9 29.9

125 13.8 14.6 22.0#



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



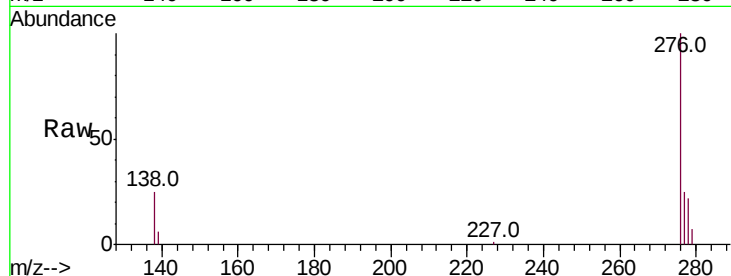


#24

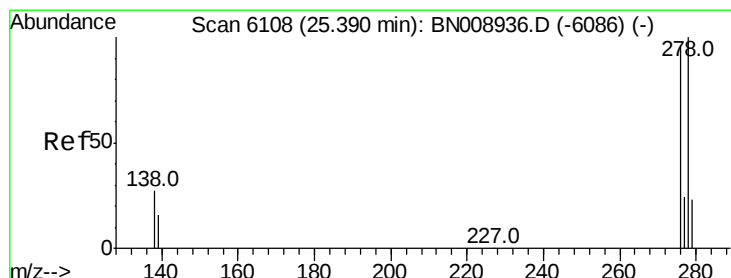
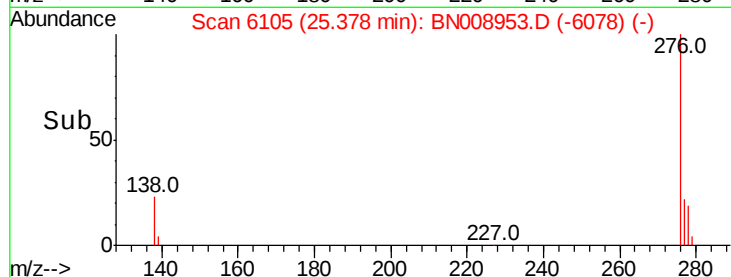
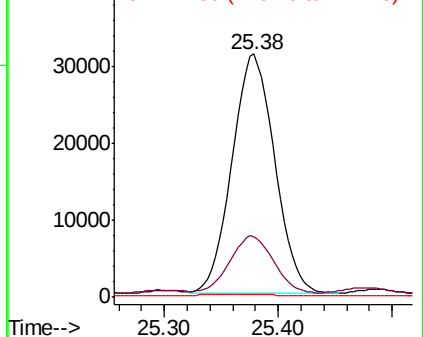
Indeno(1,2,3-cd)pyrene
Concen: 1.184 ng/ul
RT: 25.38 min Scan# 6105
Delta R.T. -0.01 min
Lab File: BN008953.D
Acq: 12 Dec 2019 19:39

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 80328
Ion Ratio Lower Upper
276 100
138 24.1 23.8 35.6
227 0.7 0.2 0.2#



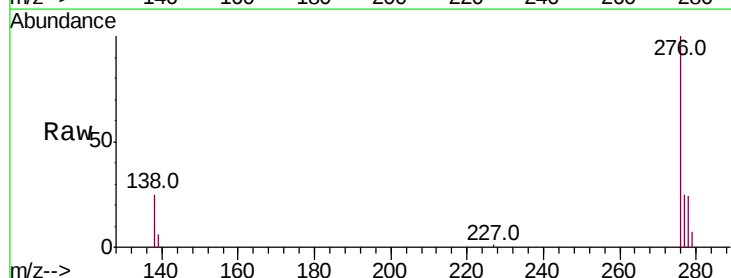
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



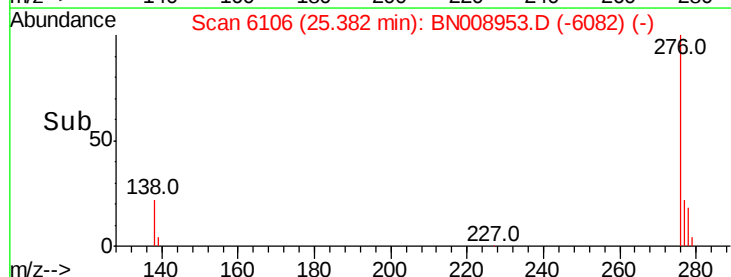
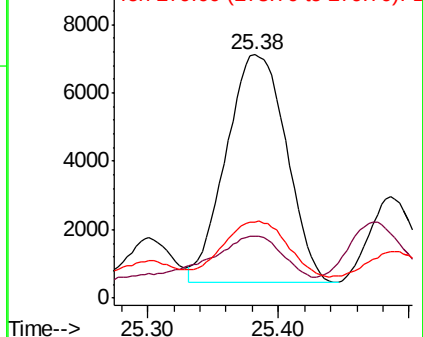
#25

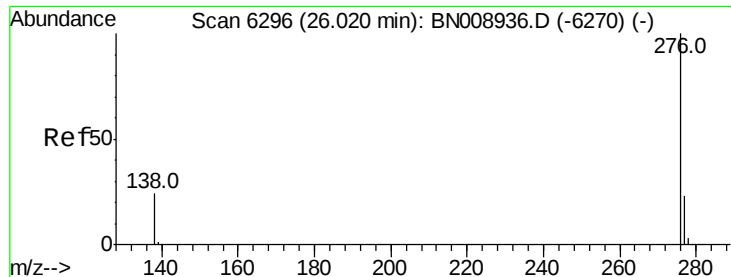
Dibenzo(a,h)anthracene
Concen: 0.388 ng/ul
RT: 25.38 min Scan# 6106
Delta R.T. -0.02 min
Lab File: BN008953.D
Acq: 12 Dec 2019 19:39

Tgt Ion:278 Resp: 21257
Ion Ratio Lower Upper
278 100
139 25.4 17.4 26.0
279 31.3 20.5 30.7#



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: 1.402 ng/ul

RT: 26.02 min Scan# 6296

Delta R.T. -0.01 min

Lab File: BN008953.D

Acq: 12 Dec 2019 19:39

Instrument :

BNA_N

ClientSampleId :

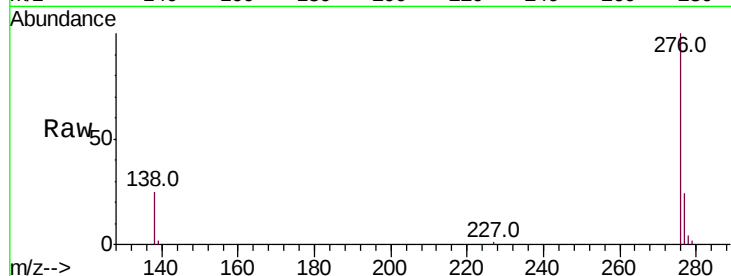
Tot Ion:276 Resp: 79624

Ion Ratio Lower Upper

276 100

138 25.2 21.9 32.9

277 24.2 19.9 29.9



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

