

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008956.D
 Acq On : 12 Dec 2019 21:26
 Operator : JU
 Sample : K6089-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 13 00:51:29 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

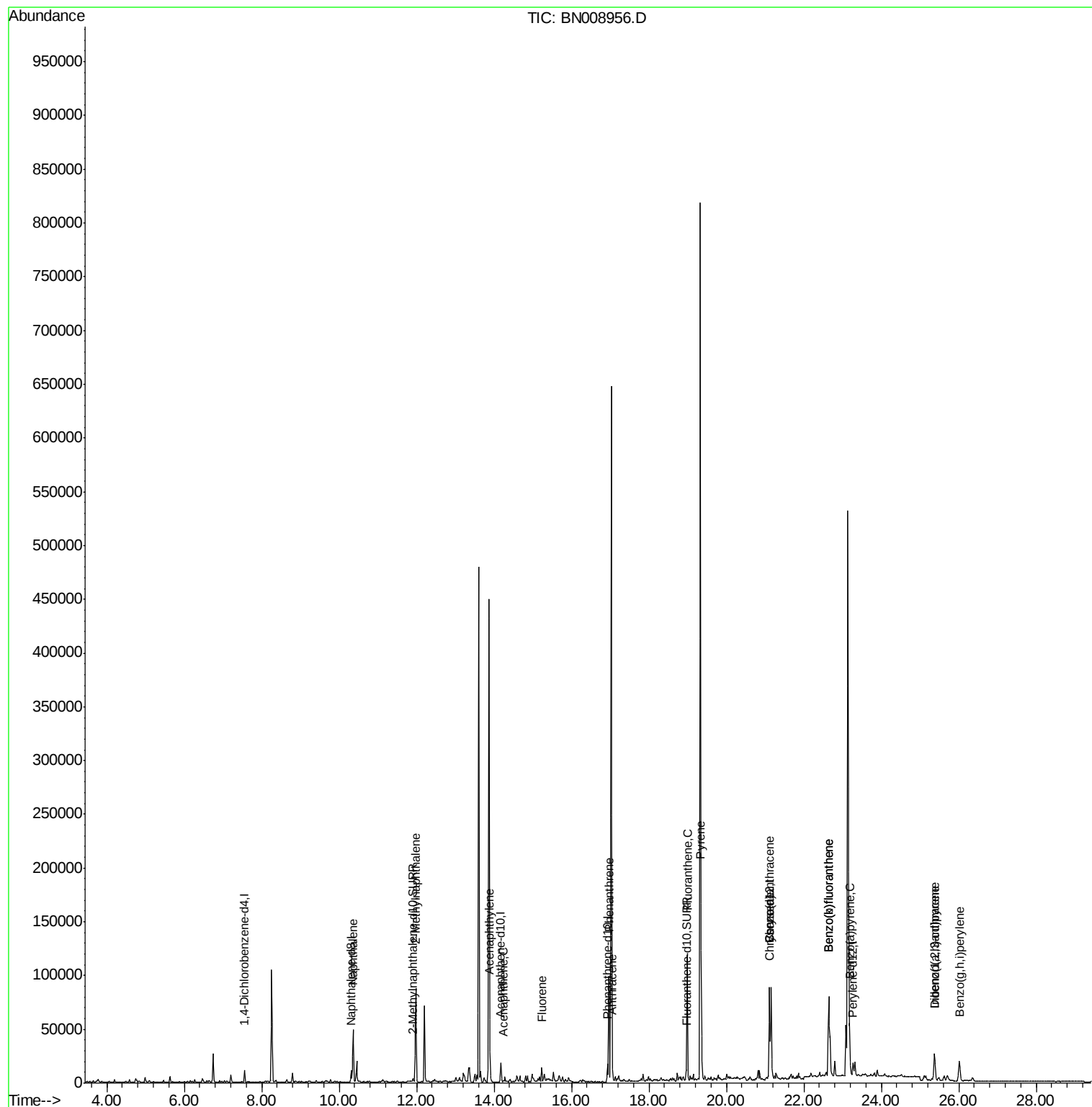
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2778	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	12289	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	8248	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	17964	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14938	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	13933	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	3557	0.18	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	10341	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	65277	1.762	ng/ul	99
5) 2-Methylnaphthalene	11.98	142	60944	2.356	ng/ul	100
7) Acenaphthylene	13.90	152	14065	0.308	ng/ul#	92
8) Acenaphthene	14.25	153	996	0.029	ng/ul#	91
9) Fluorene	15.24	166	2935	0.074	ng/ul#	59
12) Phenanthrene	16.97	178	102163	1.686	ng/ul	99
13) Anthracene	17.06	178	9021	0.158	ng/ul#	92
15) Fluoranthene	18.99	202	96026	1.290	ng/ul	99
17) Pyrene	19.35	202	92972	1.551	ng/ul	100
18) Benzo(a)anthracene	21.11	228	66751	1.111	ng/ul	92
19) Chrysene	21.11	228	66751	1.131	ng/ul	95
21) Benzo(b)fluoranthene	22.64	252	147303	2.564	ng/ul	97
22) Benzo(k)fluoranthene	22.64	252	147303	2.585	ng/ul#	96
23) Benzo(a)pyrene	23.18	252	59853	1.110	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.38	276	36968	0.586	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.38	278	10639	0.209	ng/ul#	83
26) Benzo(a,h,i)perylene	26.02	276	34750	0.659	ng/ul	98

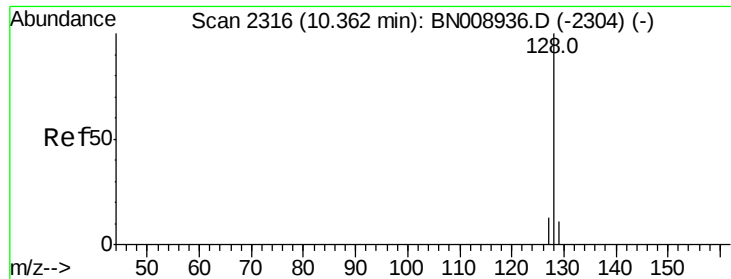
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_N
ClientSampleId :

Quant Time: Dec 13 00:51:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 12 00:49:42 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.762 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

Instrument :

BNA_N

ClientSampleId :

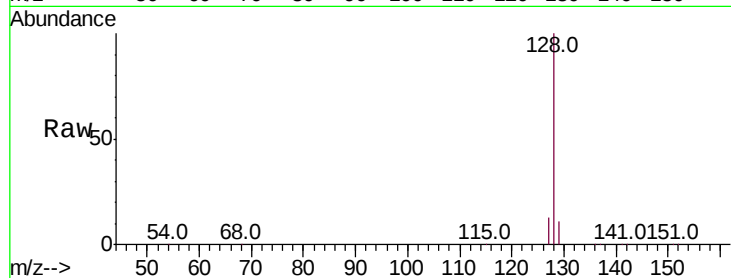
Tot Ion:128 Resp: 65277

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

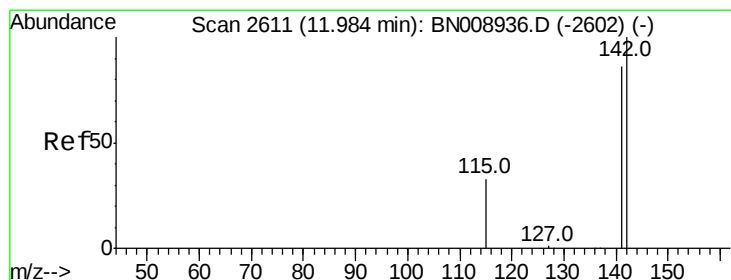
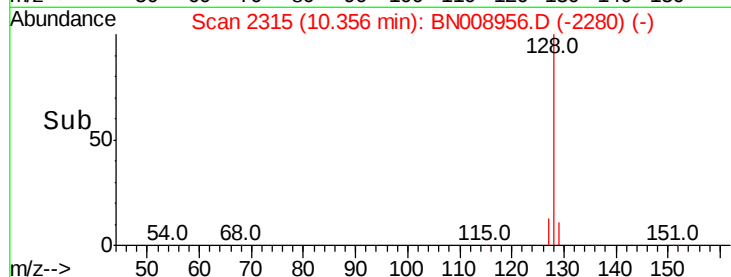
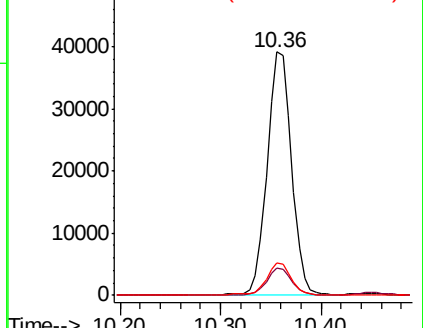
127 13.1 10.7 16.1



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: 2.356 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BN008956.D

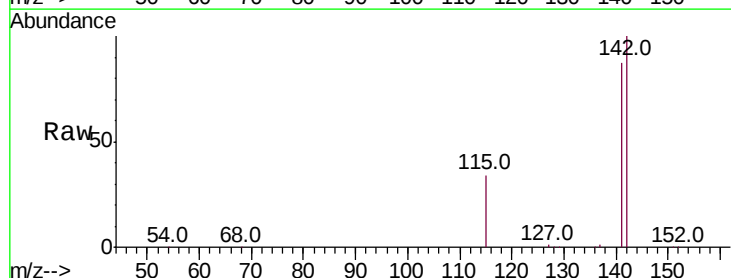
Acq: 12 Dec 2019 21:26

Tgt Ion:142 Resp: 60944

Ion Ratio Lower Upper

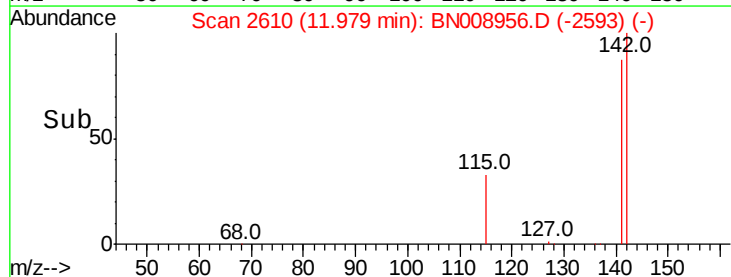
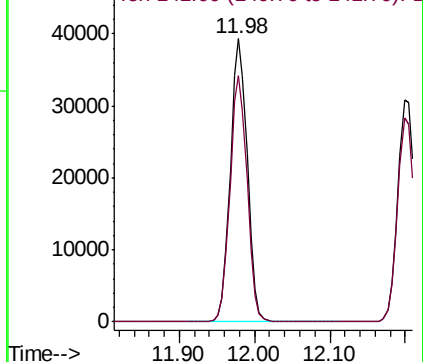
142 100

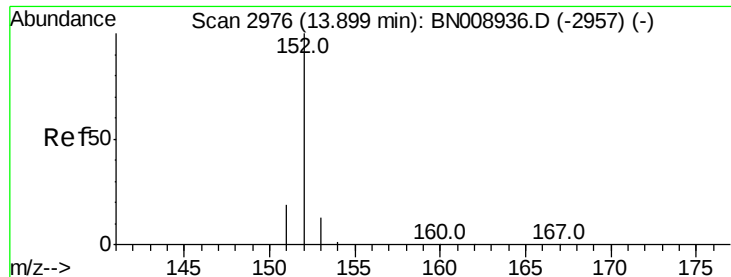
141 87.7 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.308 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

Instrument :

BNA_N

ClientSampled :

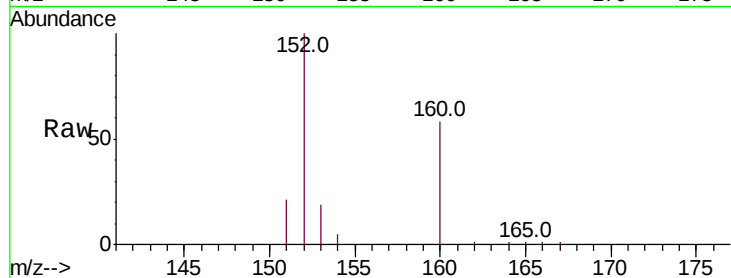
Tot Ion:152 Resp: 14065

Ion Ratio Lower Upper

152 100

151 21.3 15.8 23.6

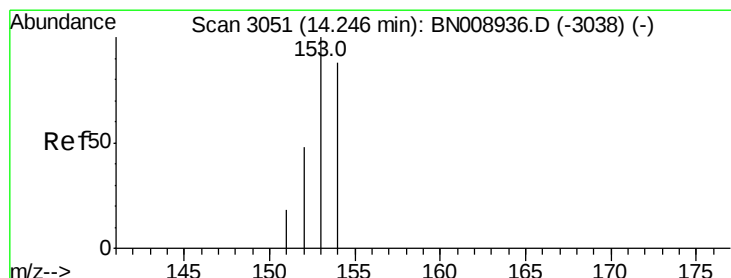
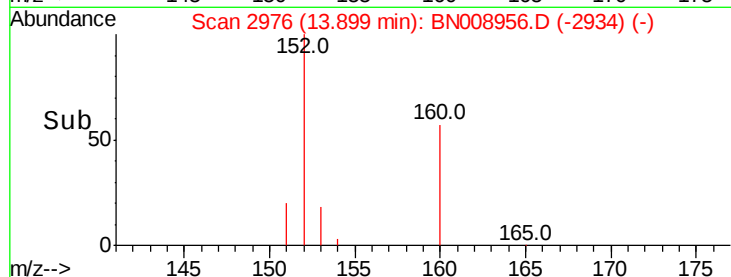
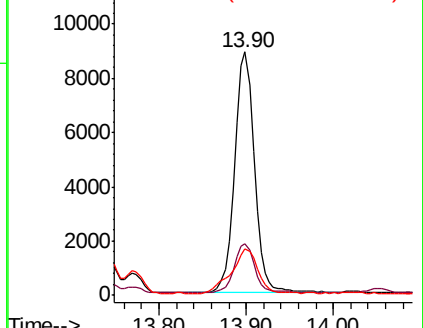
153 19.1 10.6 15.8#



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: 0.029 ng/ul

RT: 14.25 min Scan# 3051

Delta R.T. -0.00 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

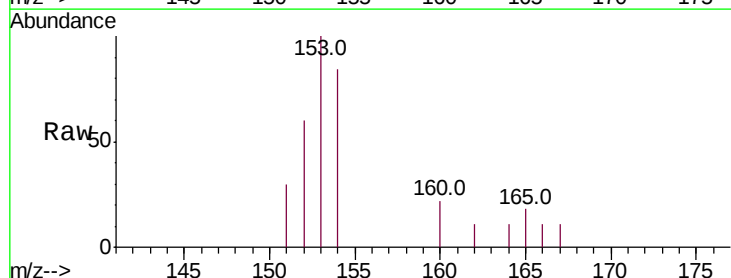
Tgt Ion:153 Resp: 996

Ion Ratio Lower Upper

153 100

152 59.6 38.6 58.0#

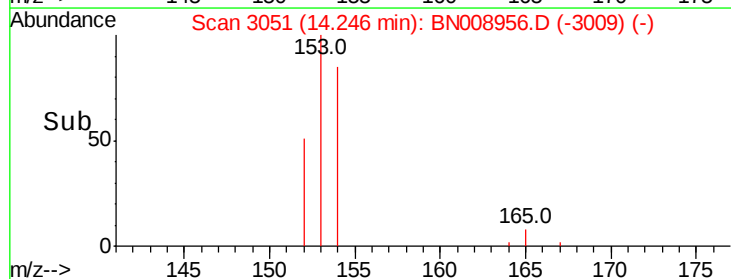
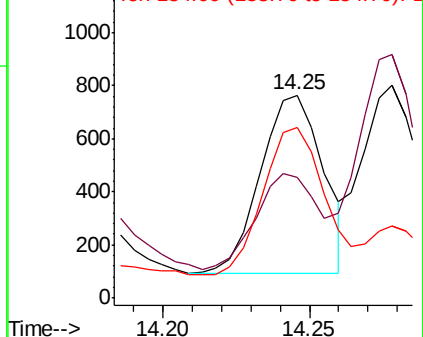
154 84.3 70.6 105.8

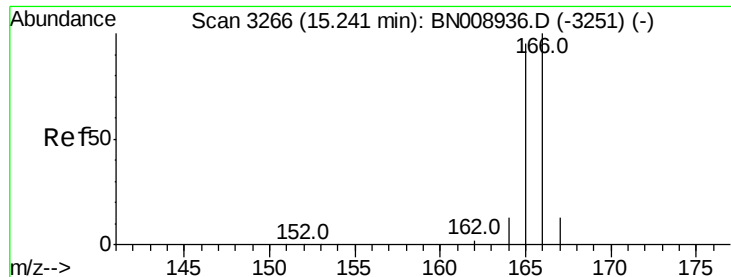


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.074 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

Instrument :

BNA_N

ClientSampleId :

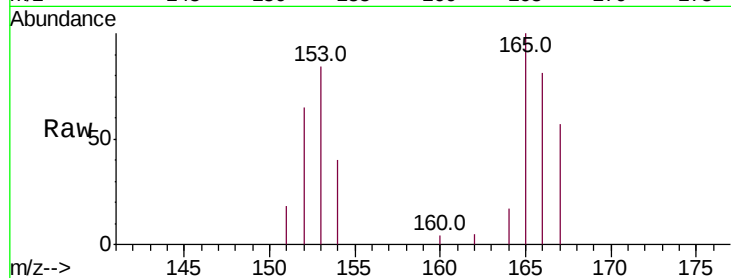
Tot Ion:166 Resp: 2935

Ion Ratio Lower Upper

166 100

165 123.9 77.7 116.5#

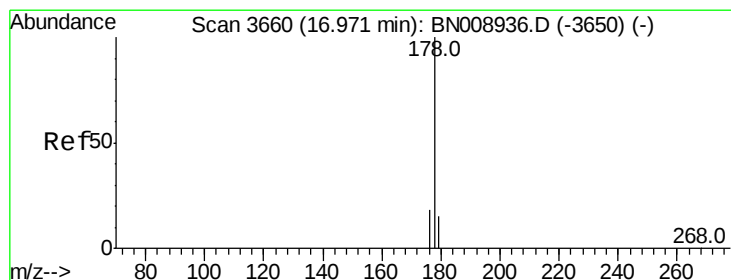
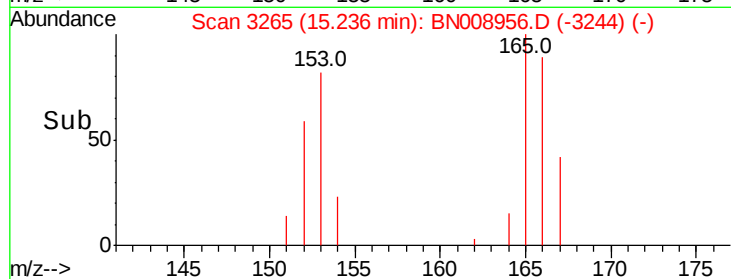
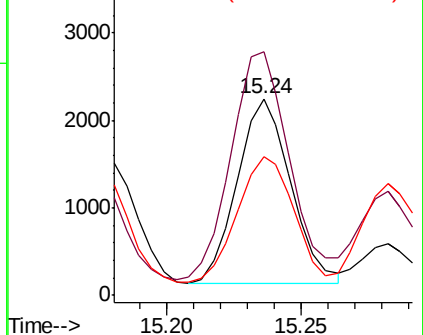
167 70.9 11.1 16.7#



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: 1.686 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

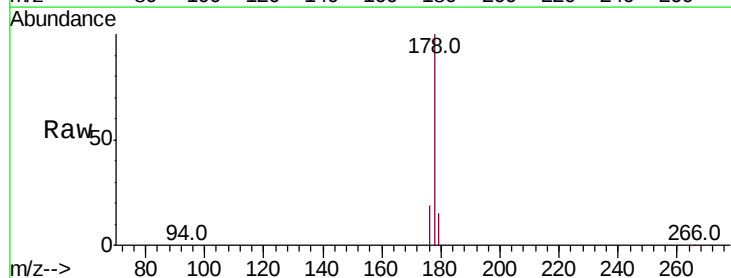
Tgt Ion:178 Resp: 102163

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

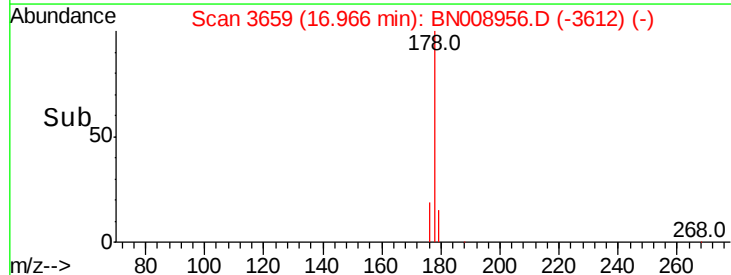
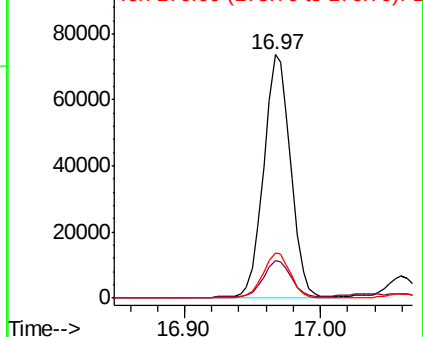
176 18.7 15.3 22.9

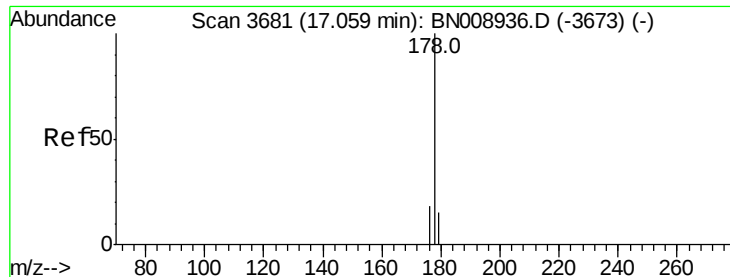


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.158 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

Instrument :

BNA_N

ClientSampleId :

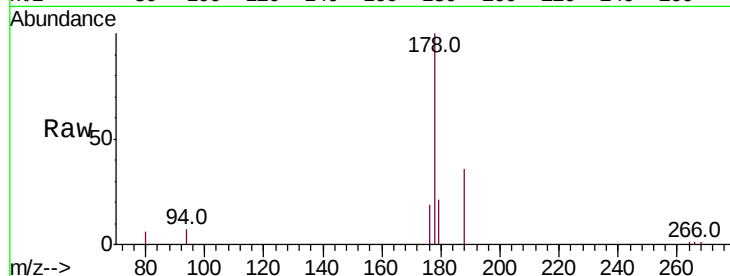
Tot Ion:178 Resp: 9021

Ion Ratio Lower Upper

178 100

179 21.3 12.2 18.4#

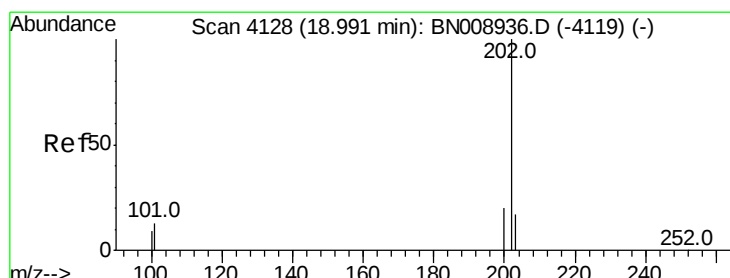
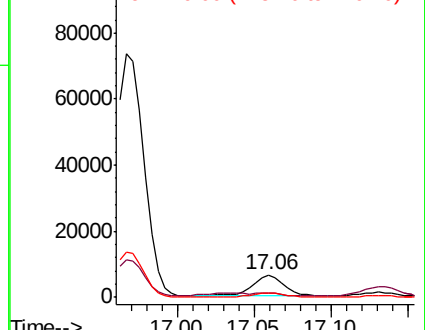
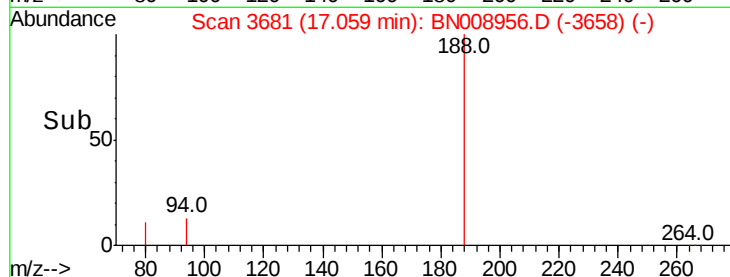
176 19.5 14.7 22.1



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: 1.290 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

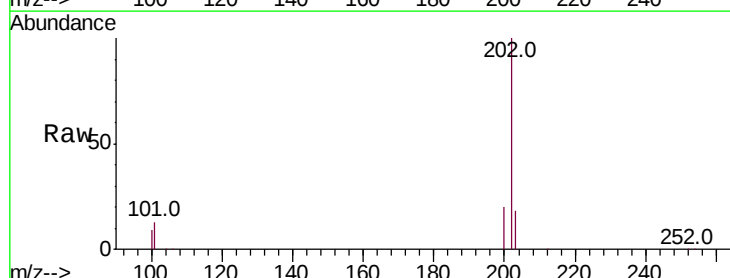
Tgt Ion:202 Resp: 96026

Ion Ratio Lower Upper

202 100

101 13.0 0.0 32.4

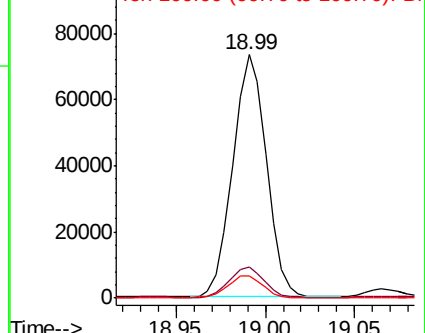
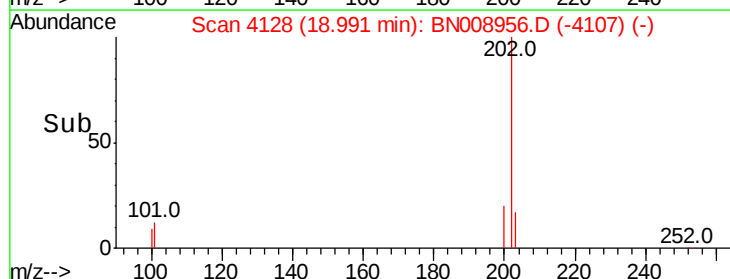
100 9.3 0.0 29.2

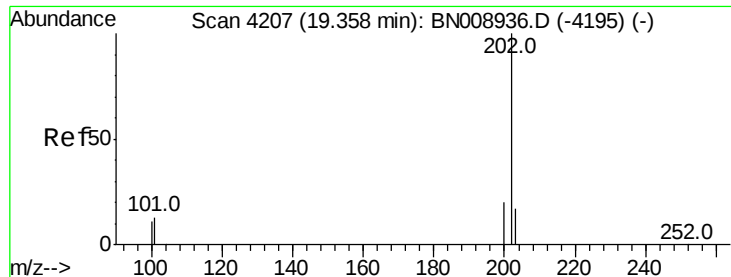


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 1.551 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

Instrument :

BNA_N

ClientSampleId :

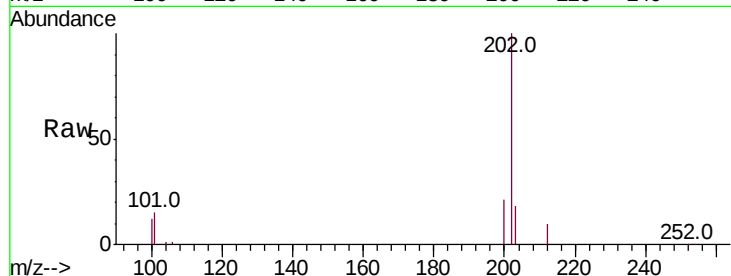
Tot Ion:202 Resp: 92972

Ion Ratio Lower Upper

202 100

101 15.1 12.2 18.4

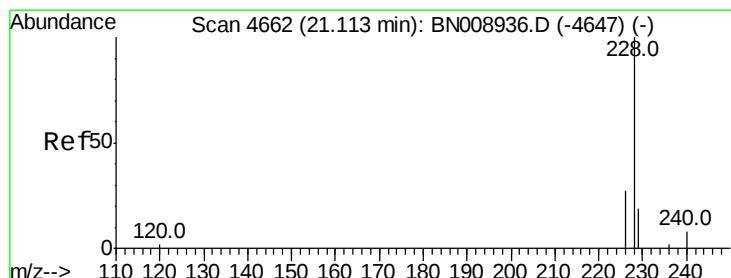
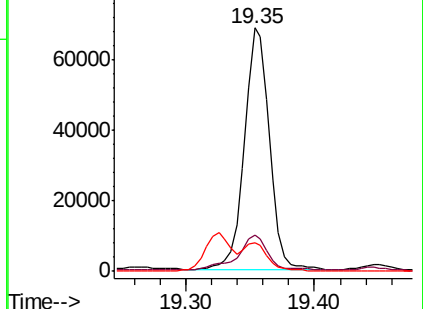
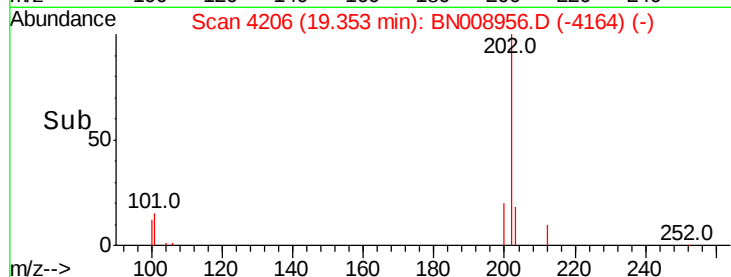
100 11.9 9.5 14.3



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: 1.111 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. -0.01 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

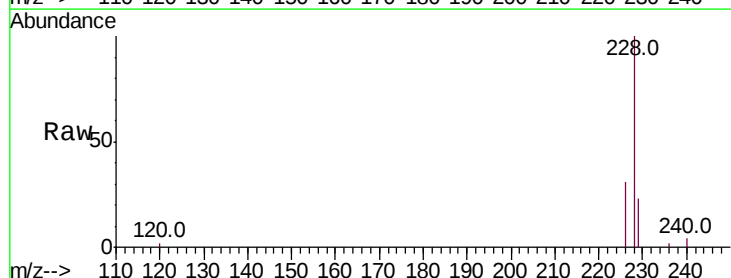
Tgt Ion:228 Resp: 66751

Ion Ratio Lower Upper

228 100

229 23.4 15.7 23.5

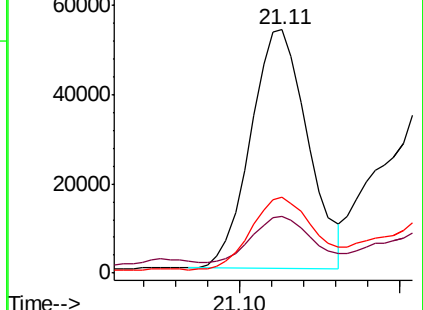
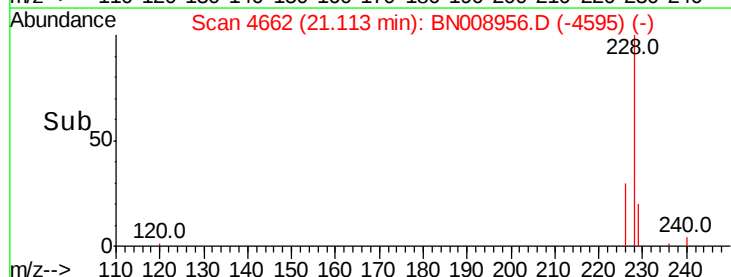
226 31.4 21.5 32.3

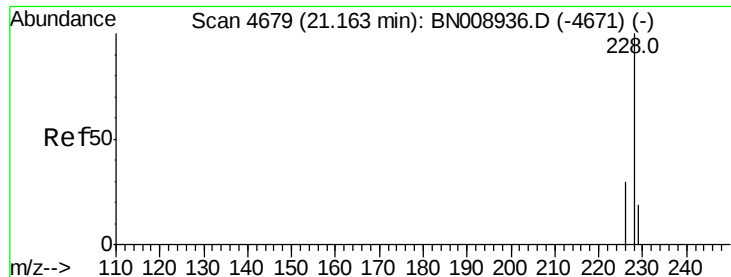


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.131 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. -0.06 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

Instrument :

BNA_N

ClientSampleId :

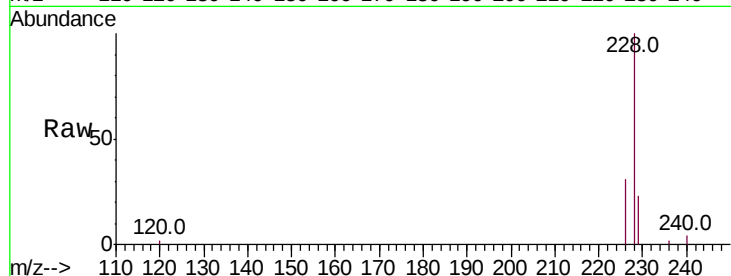
Tot Ion:228 Resp: 66751

Ion Ratio Lower Upper

228 100

226 31.4 23.8 35.6

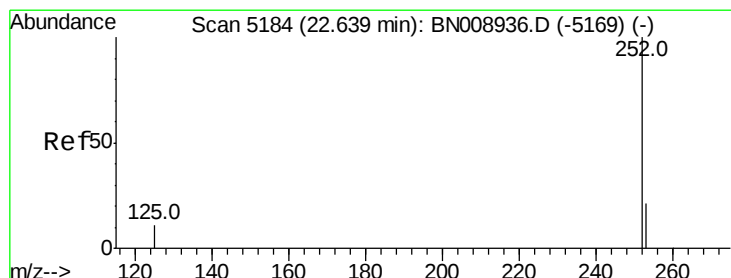
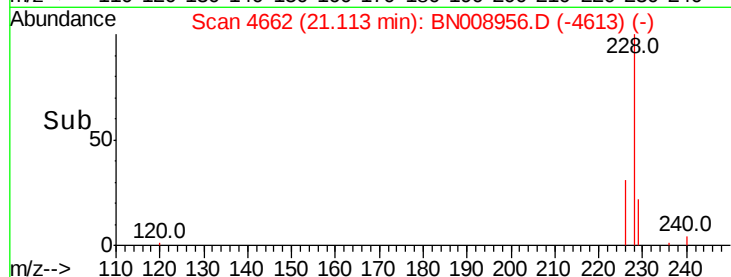
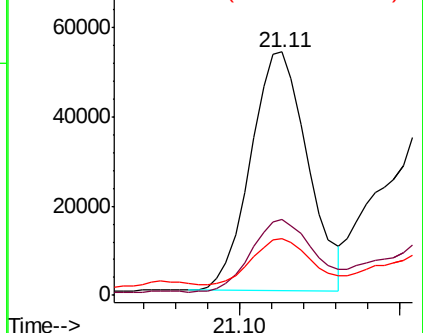
229 23.4 15.6 23.4



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: 2.564 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. -0.01 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

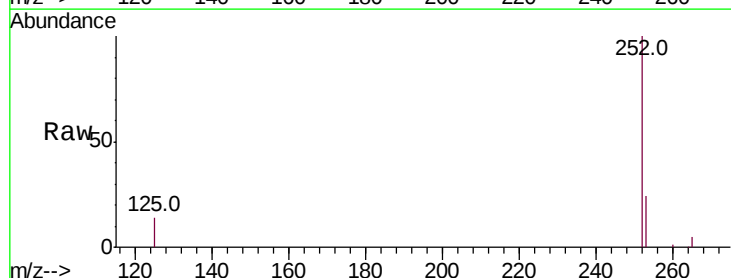
Tgt Ion:252 Resp: 147303

Ion Ratio Lower Upper

252 100

253 23.6 0.0 48.6

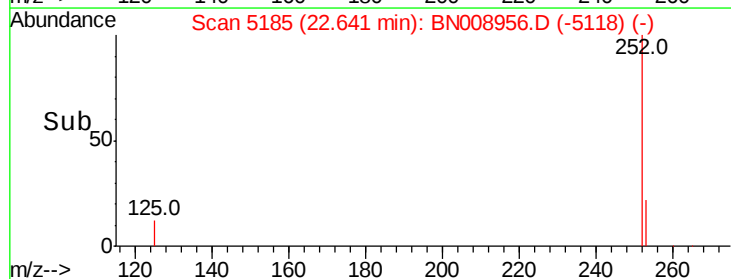
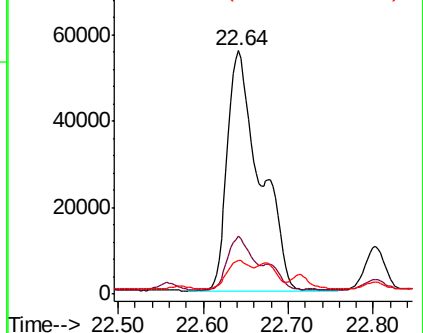
125 13.6 0.0 31.6

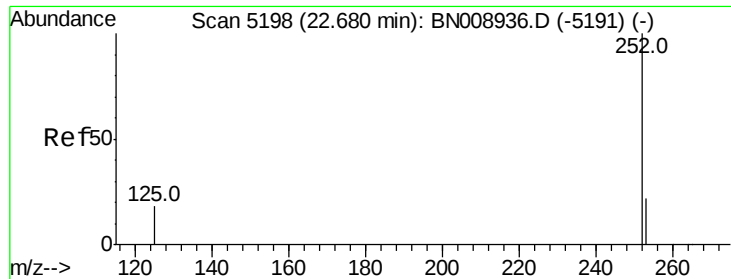


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.585 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. -0.05 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

Instrument :

BNA_N

ClientSampleId :

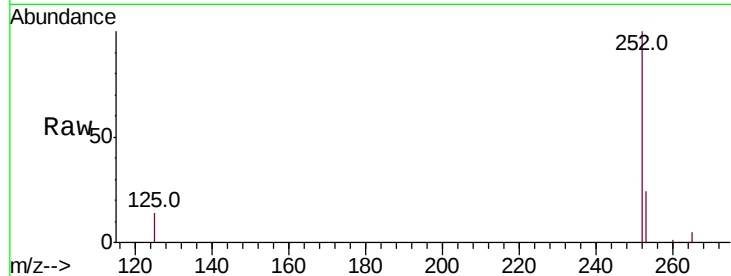
Tot Ion:252 Resp: 147303

Ion Ratio Lower Upper

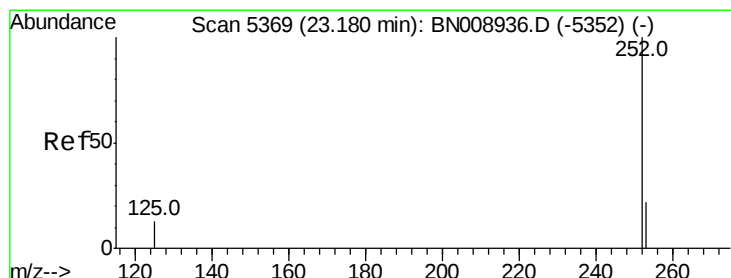
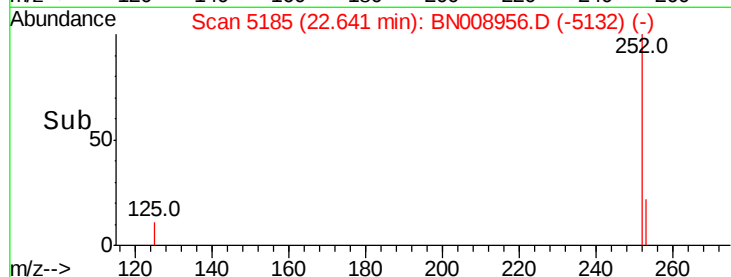
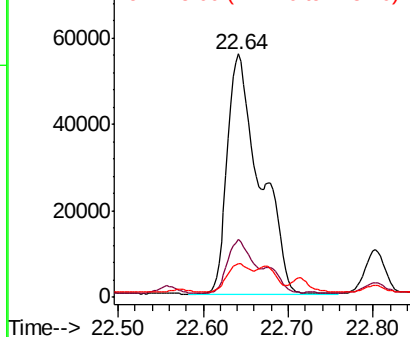
252 100

253 23.6 19.6 29.4

125 13.6 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: 1.110 ng/ul

RT: 23.18 min Scan# 5369

Delta R.T. -0.01 min

Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

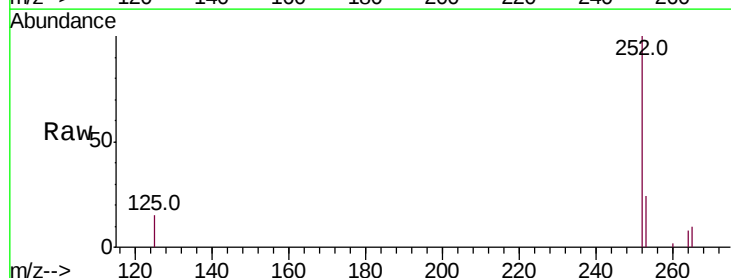
Tgt Ion:252 Resp: 59853

Ion Ratio Lower Upper

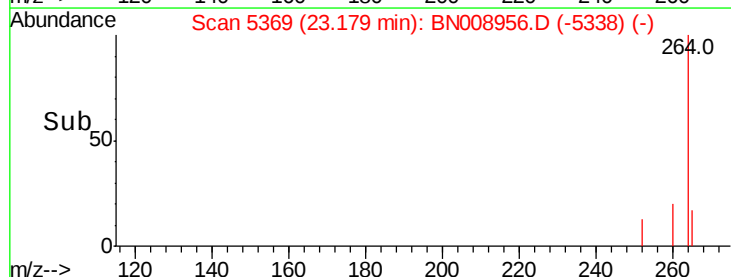
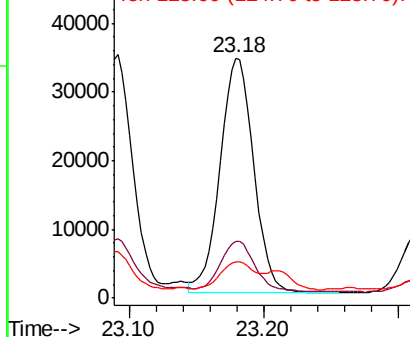
252 100

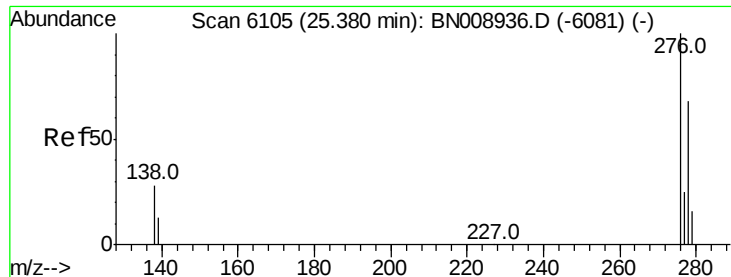
253 23.9 19.9 29.9

125 15.3 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

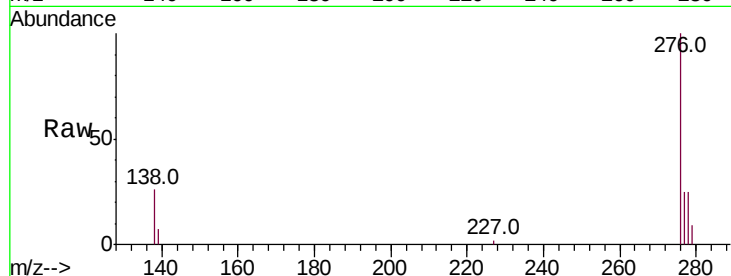




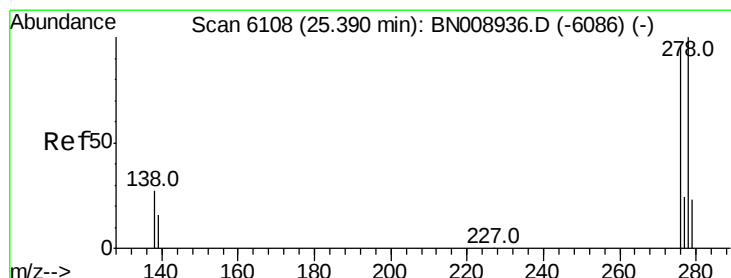
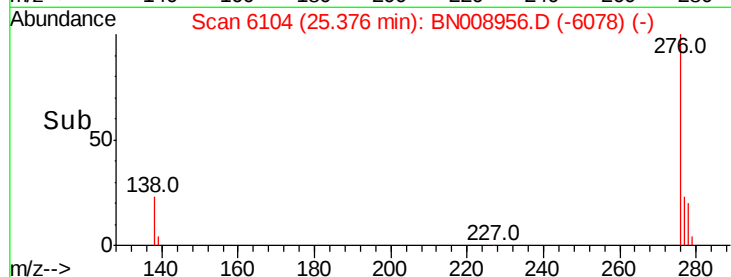
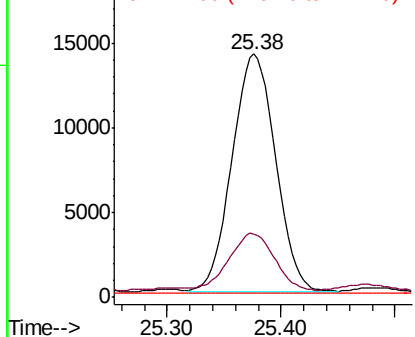
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.586 ng/ul
 RT: 25.38 min Scan# 6104
 Delta R.T. -0.01 min
 Lab File: BN008956.D
 Acq: 12 Dec 2019 21:26

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 36968
 Ion Ratio Lower Upper
 276 100
 138 24.8 23.8 35.6
 227 0.5 0.2 0.2#

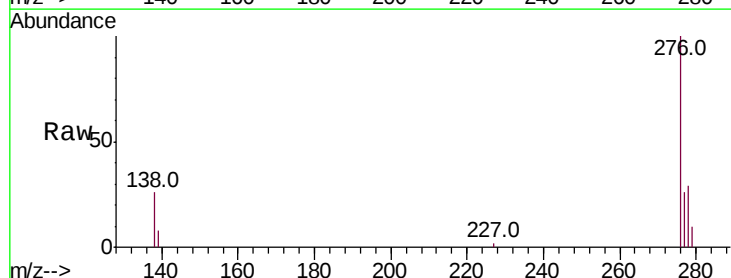


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

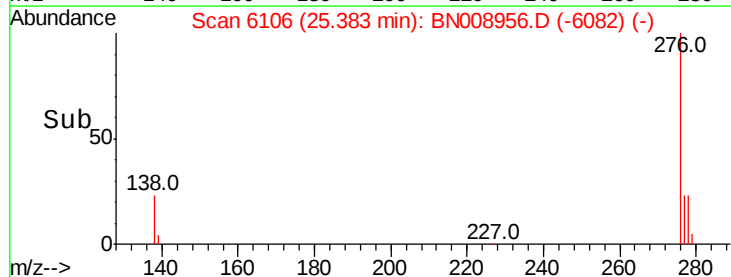
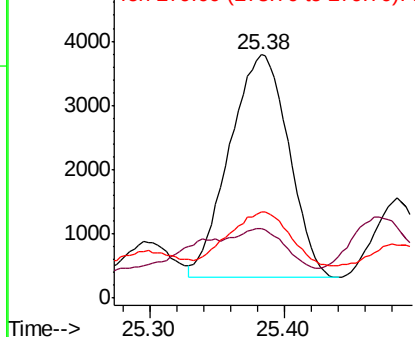


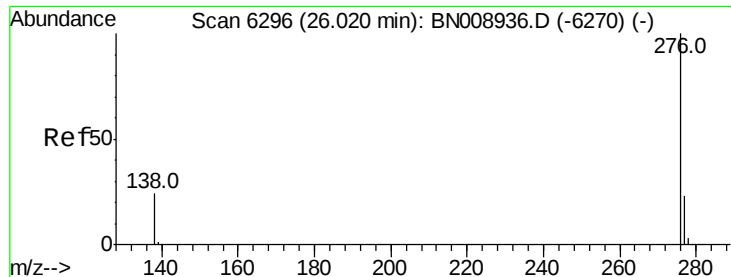
#25
 Dibenzo(a,h)anthracene
 Concen: 0.209 ng/ul
 RT: 25.38 min Scan# 6106
 Delta R.T. -0.02 min
 Lab File: BN008956.D
 Acq: 12 Dec 2019 21:26

Tgt Ion:278 Resp: 10639
 Ion Ratio Lower Upper
 278 100
 139 28.5 17.4 26.0#
 279 35.5 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: 0.659 ng/ul

RT: 26.02 min Scan# 6295

Delta R.T. -0.01 min

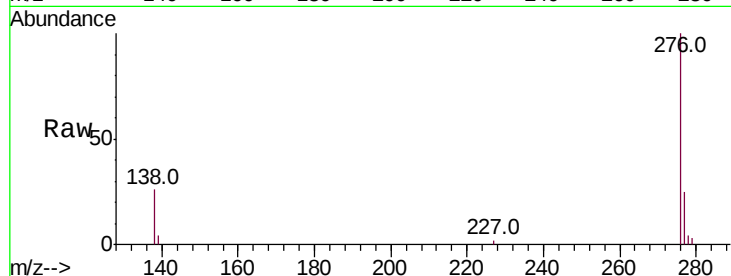
Lab File: BN008956.D

Acq: 12 Dec 2019 21:26

Instrument :

BNA_N

ClientSampleId :



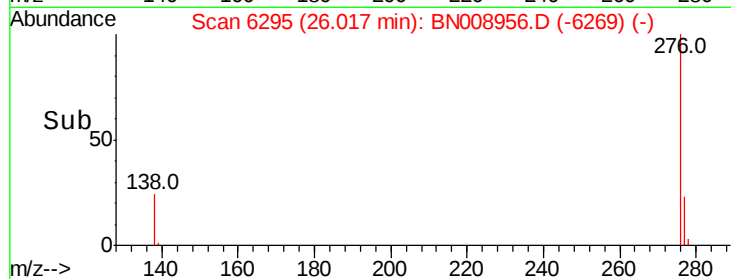
Tot Ion:276 Resp: 34750

Ion Ratio Lower Upper

276 100

138 26.0 21.9 32.9

277 24.8 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

