

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008959.D
 Acq On : 12 Dec 2019 23:13
 Operator : JU
 Sample : K6089-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 13 00:51:47 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

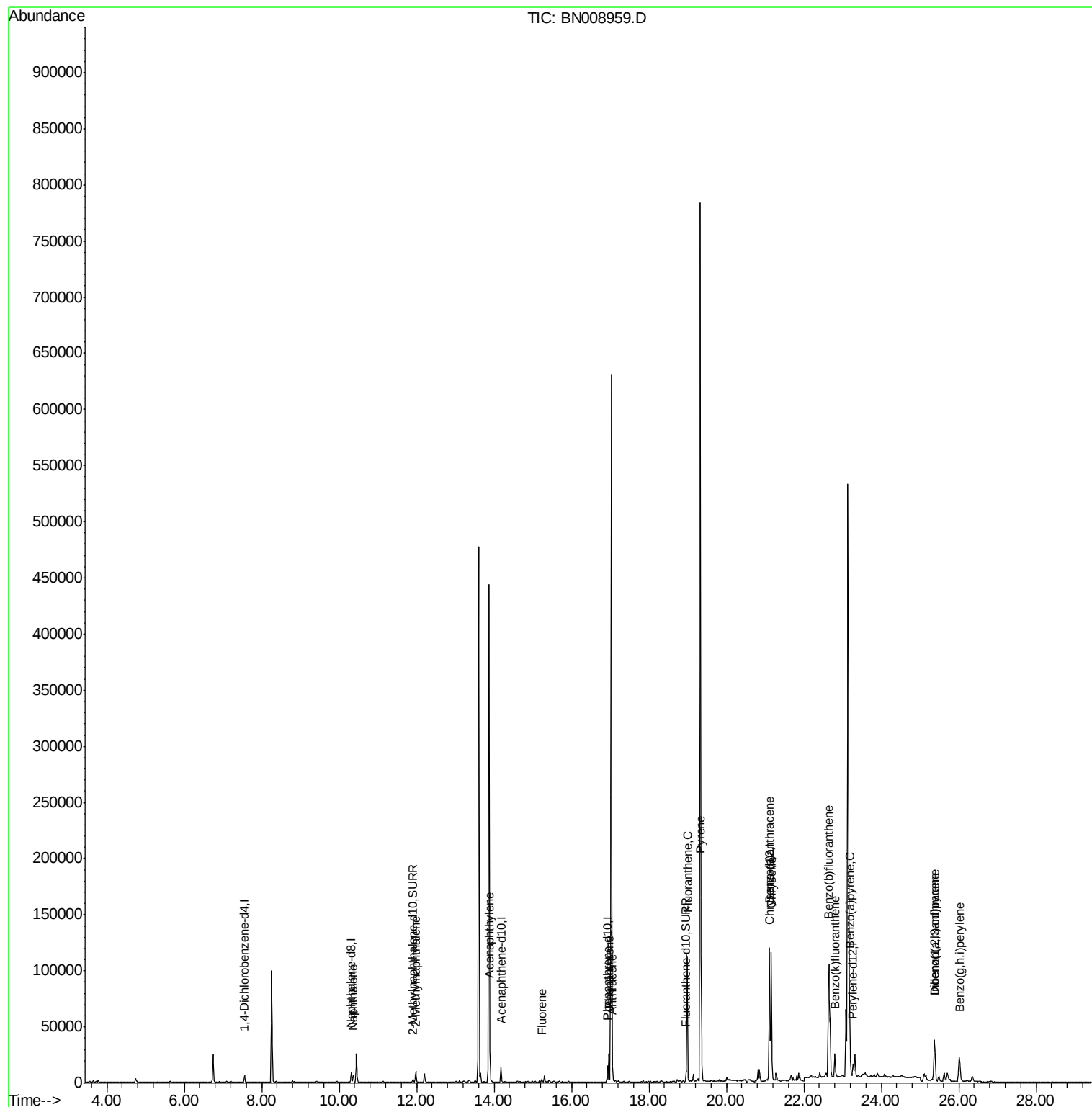
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2568	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11058	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7085	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	16245	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13879	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	13179	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	3317	0.18	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	9667	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	8852	0.266	ng/ul	98
5) 2-Methylnaphthalene	11.98	142	6658	0.286	ng/ul	100
7) Acenaphthylene	13.90	152	16928	0.432	ng/ul	99
9) Fluorene	15.24	166	1216	0.036	ng/ul#	79
12) Phenanthrene	16.97	178	26055	0.476	ng/ul	100
13) Anthracene	17.06	178	11170	0.216	ng/ul	98
15) Fluoranthene	18.99	202	88459	1.314	ng/ul	100
17) Pyrene	19.35	202	84045	1.509	ng/ul	99
18) Benzo(a)anthracene	21.11	228	94559	1.694	ng/ul	95
19) Chrysene	21.16	228	113829	2.076	ng/ul	98
21) Benzo(b)fluoranthene	22.64	252	207980	3.827	ng/ul	95
22) Benzo(k)fluoranthene	22.80	252	25556	0.474	ng/ul	95
23) Benzo(a)pyrene	23.18	252	88530	1.736	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.38	276	51133	0.857	ng/ul	92
25) Dibenzo(a,h)anthracene	25.38	278	15034	0.312	ng/ul	94
26) Benzo(a,h,i)perylene	26.02	276	43722	0.876	ng/ul	98

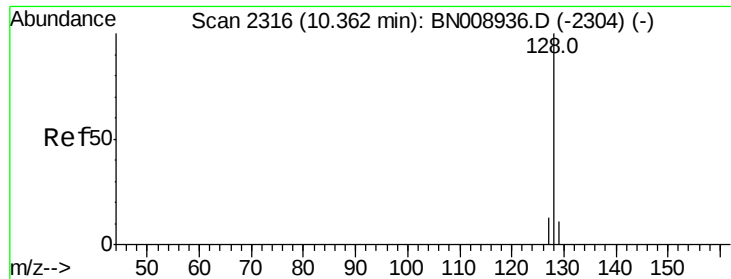
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 12 00:49:42 2019
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#3

Naphthalene

Concen: 0.266 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

ClientSampleId :

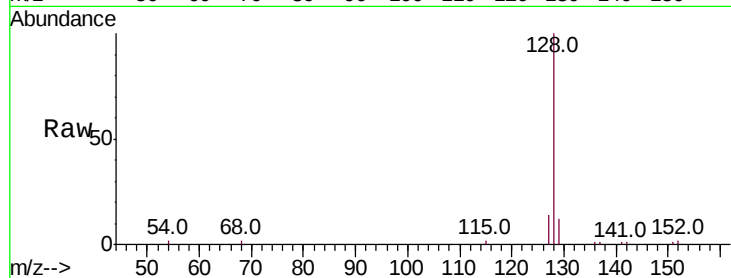
Tot Ion:128 Resp: 8852

Ion Ratio Lower Upper

128 100

129 12.0 9.1 13.7

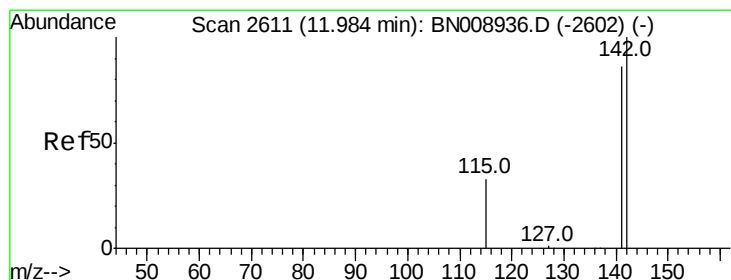
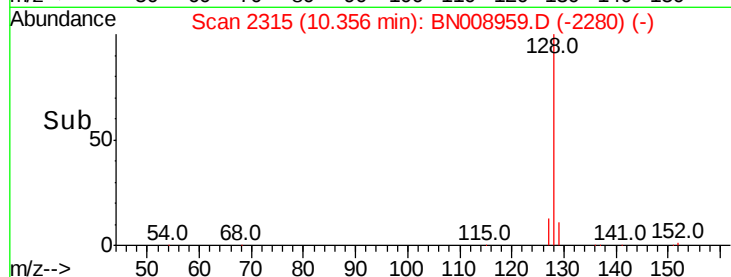
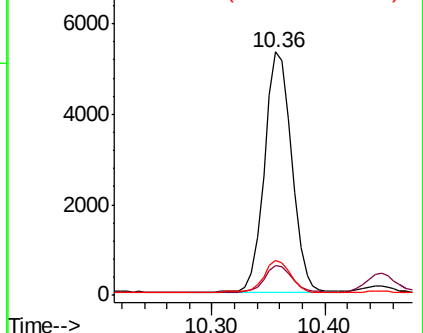
127 14.2 10.7 16.1



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: 0.286 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BN008959.D

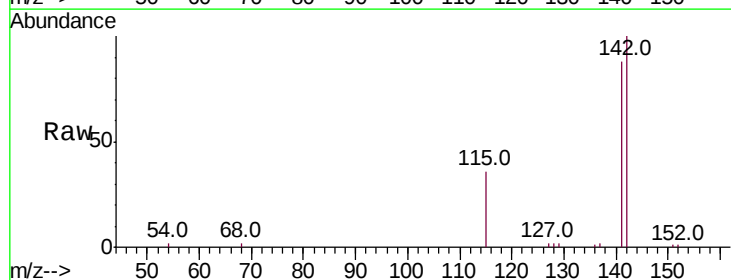
Acq: 12 Dec 2019 23:13

Tgt Ion:142 Resp: 6658

Ion Ratio Lower Upper

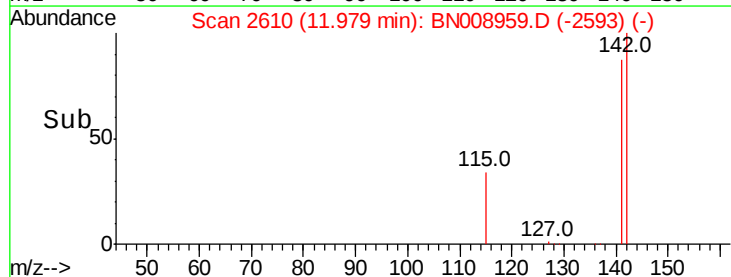
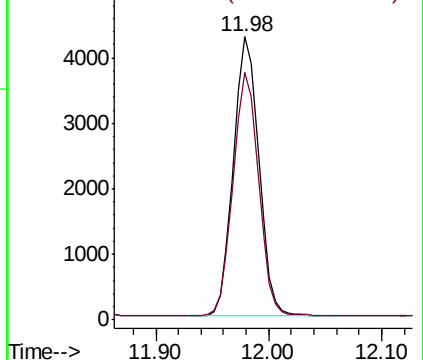
142 100

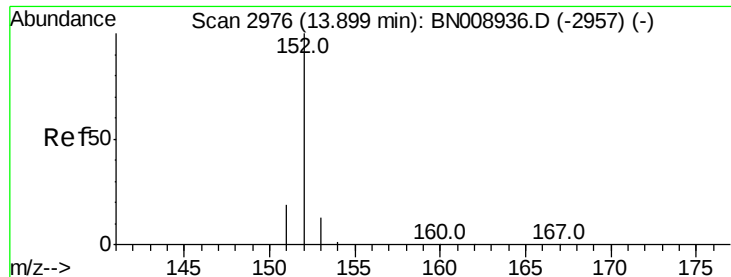
141 87.5 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.432 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

ClientSampled :

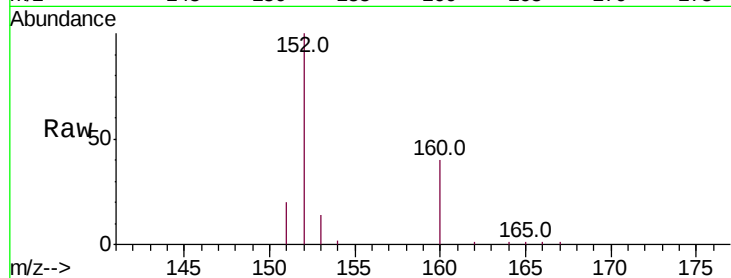
Tot Ion:152 Resp: 16928

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.6

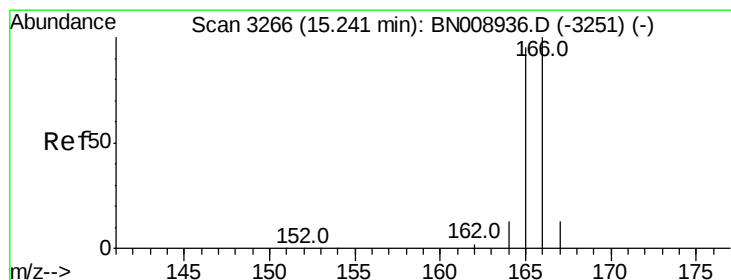
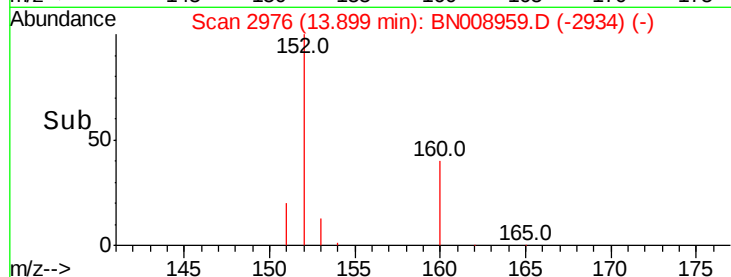
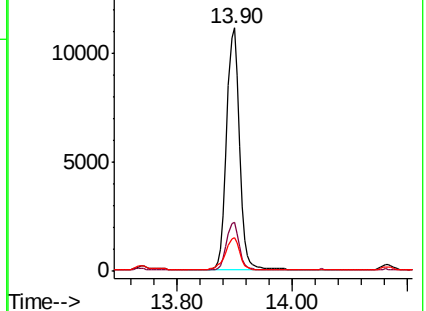
153 13.7 10.6 15.8



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



#9

Fluorene

Concen: 0.036 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

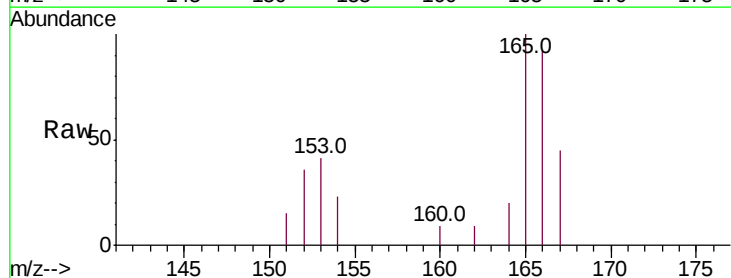
Tgt Ion:166 Resp: 1216

Ion Ratio Lower Upper

166 100

165 108.4 77.7 116.5

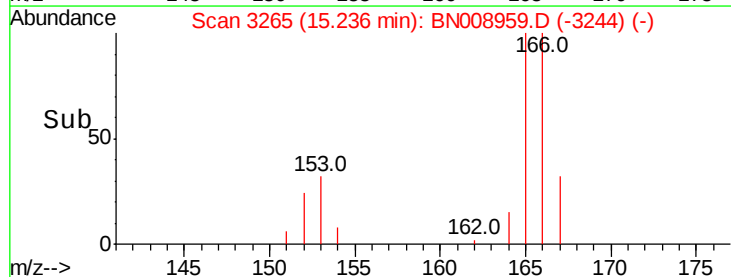
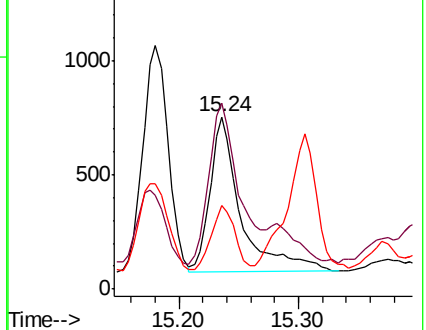
167 48.8 11.1 16.7#

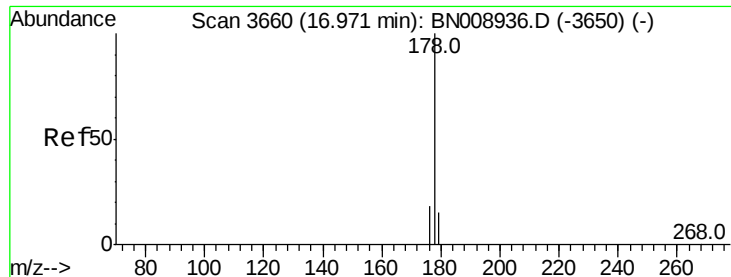


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.476 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

ClientSampleId :

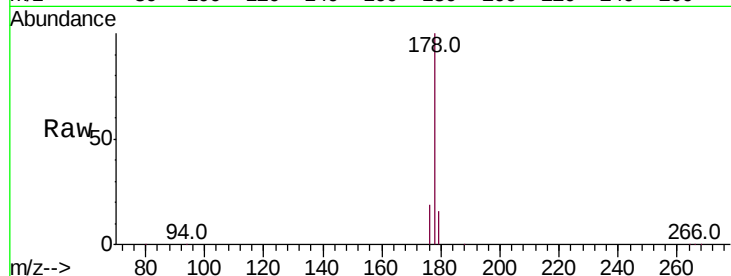
Tot Ion:178 Resp: 26055

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

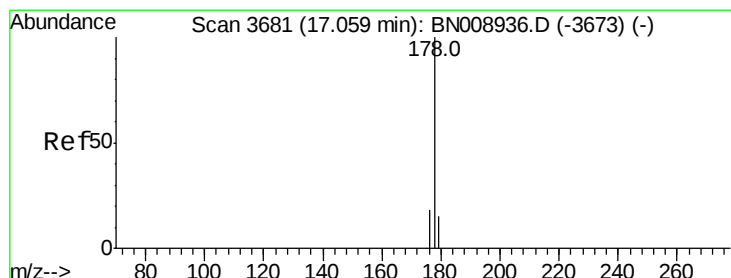
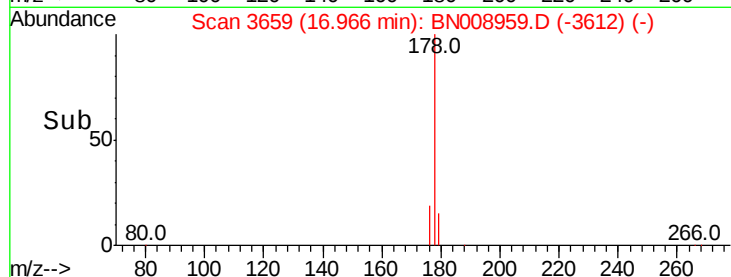
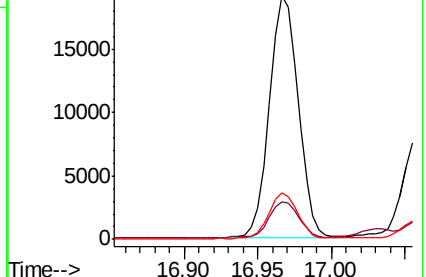
176 18.9 15.3 22.9



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: 0.216 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

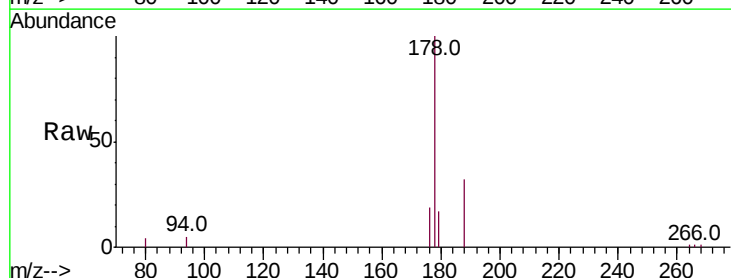
Tgt Ion:178 Resp: 11170

Ion Ratio Lower Upper

178 100

179 16.9 12.2 18.4

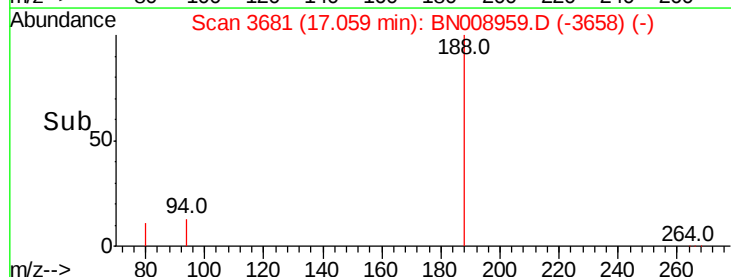
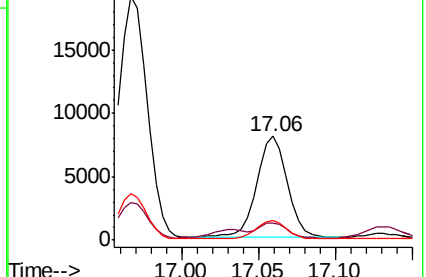
176 18.7 14.7 22.1

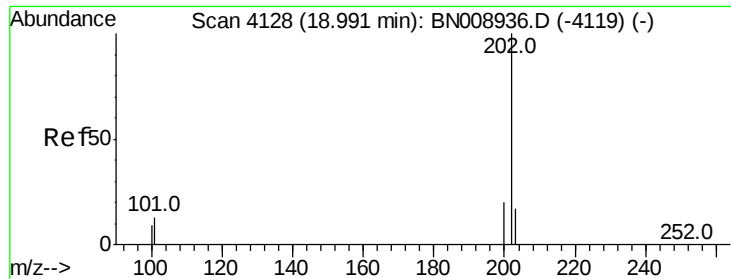


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 1.314 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

ClientSampleId :

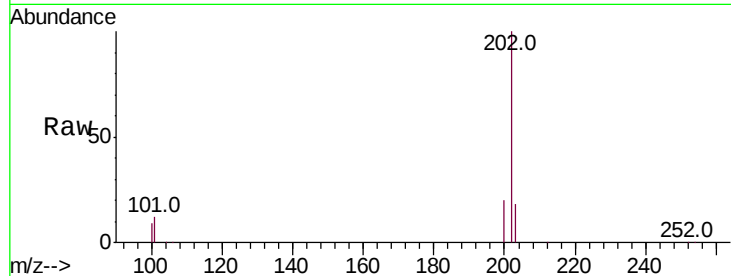
Tot Ion:202 Resp: 88459

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.4

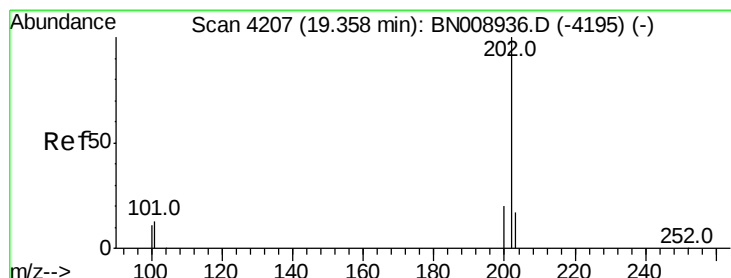
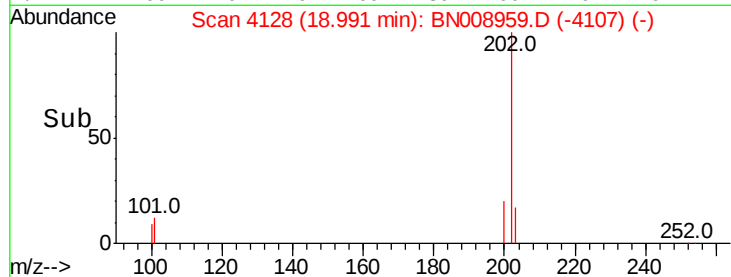
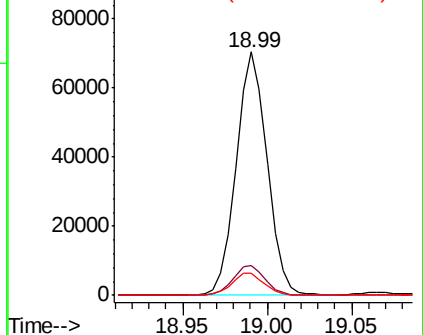
100 9.1 0.0 29.2



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

Pyrene

Concen: 1.509 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

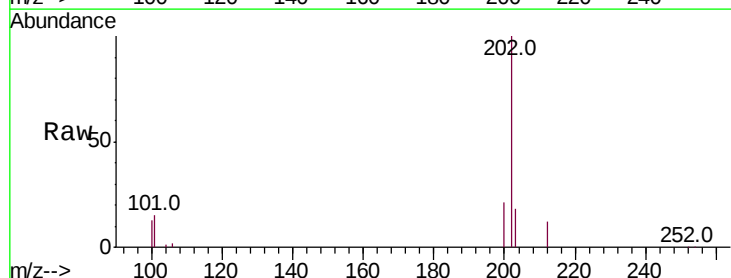
Tgt Ion:202 Resp: 84045

Ion Ratio Lower Upper

202 100

101 15.3 12.2 18.4

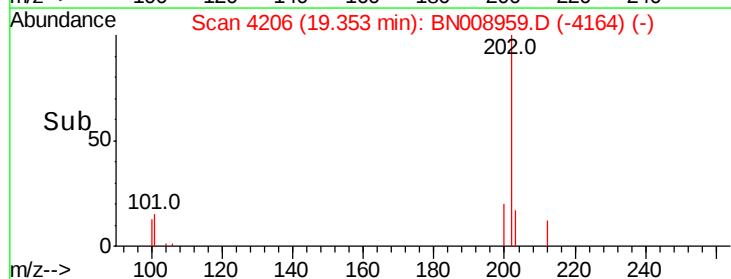
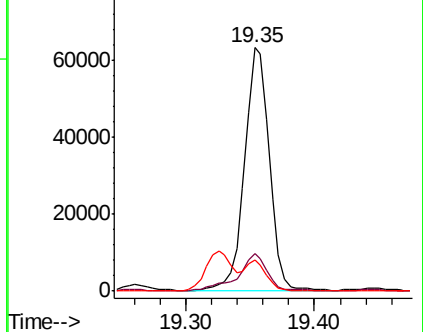
100 12.6 9.5 14.3

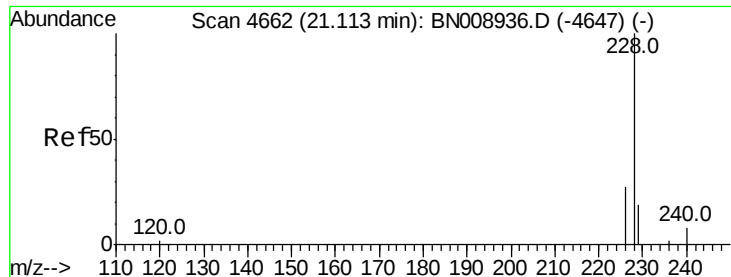


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.694 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. -0.01 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

ClientSampleId :

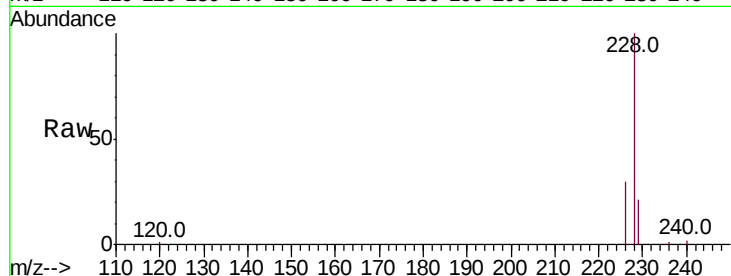
Tot Ion:228 Resp: 94559

Ion Ratio Lower Upper

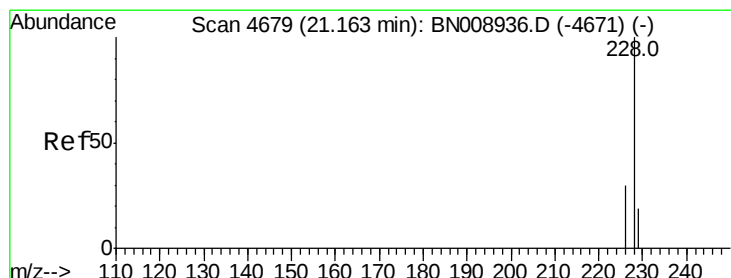
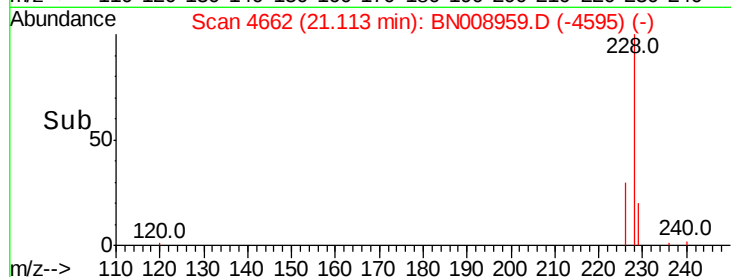
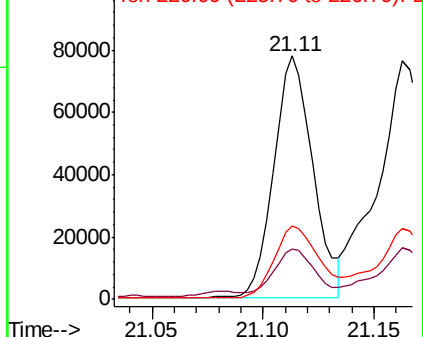
228 100

229 20.6 15.7 23.5

226 30.2 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: 2.076 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.01 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

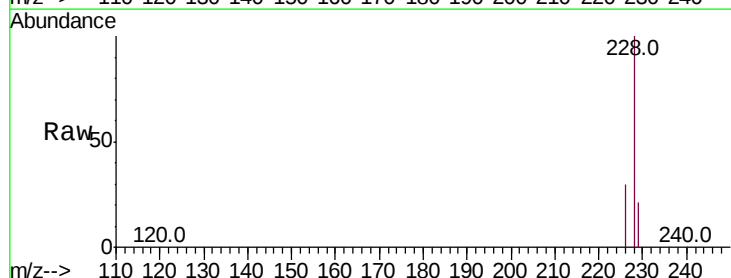
Tgt Ion:228 Resp: 113829

Ion Ratio Lower Upper

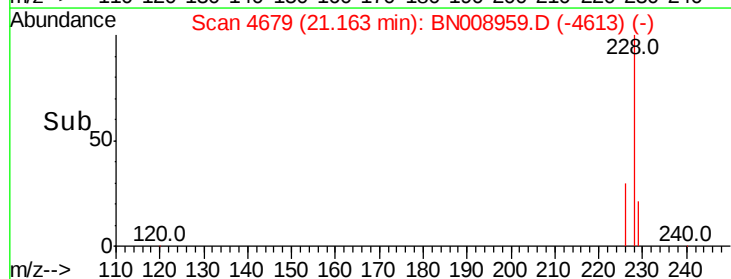
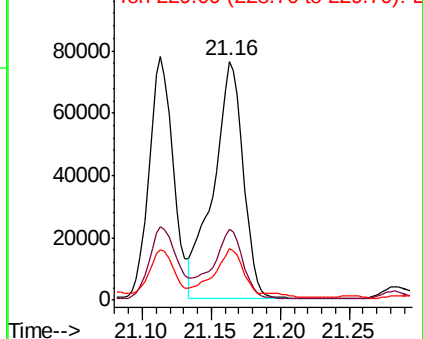
228 100

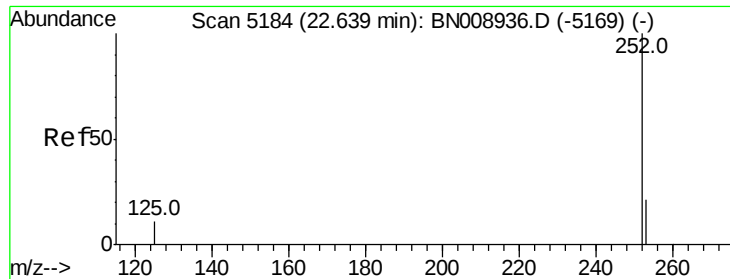
226 29.8 23.8 35.6

229 21.4 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: 3.827 ng/u1

RT: 22.64 min Scan# 5185

Delta R.T. -0.01 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

ClientSampleId :

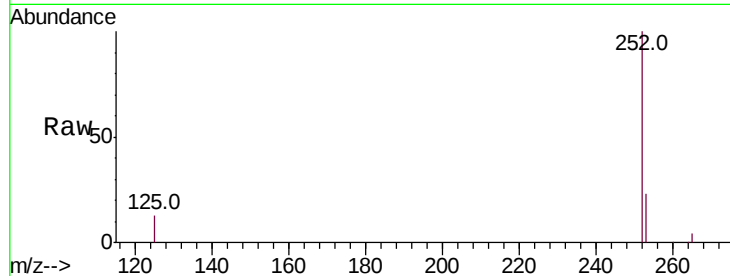
Tot Ion:252 Resp: 207980

Ion Ratio Lower Upper

252 100

253 22.9 0.0 48.6

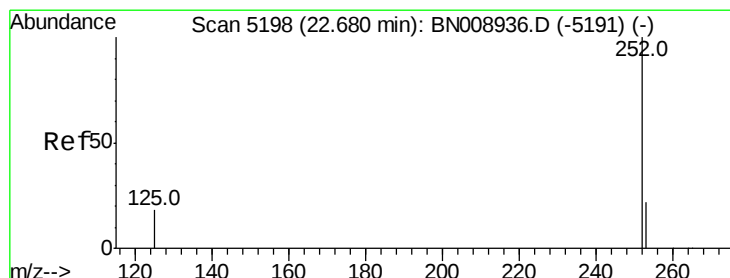
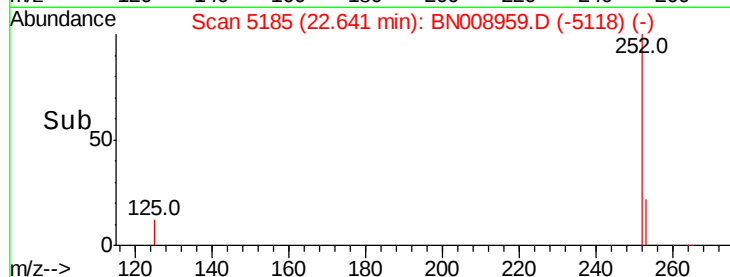
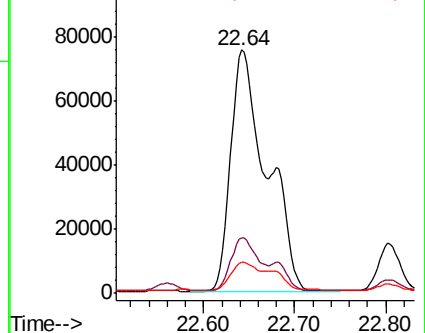
125 12.8 0.0 31.6



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: 0.474 ng/u1

RT: 22.80 min Scan# 5240

Delta R.T. 0.11 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

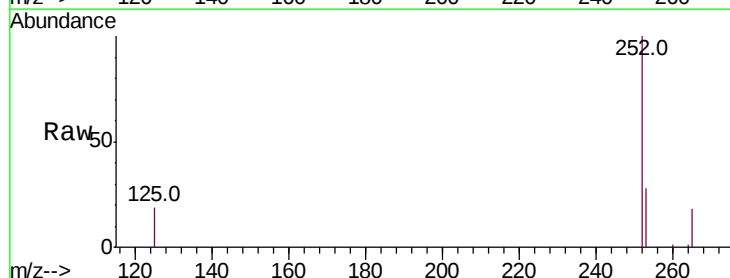
Tgt Ion:252 Resp: 25556

Ion Ratio Lower Upper

252 100

253 27.6 19.6 29.4

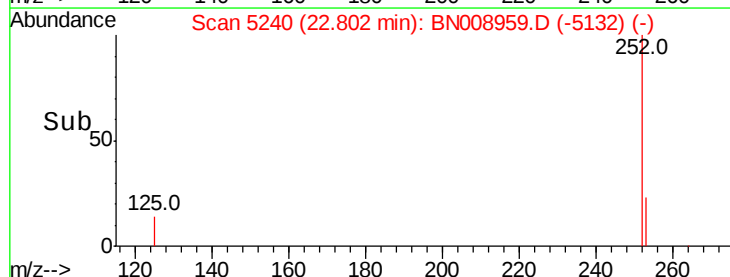
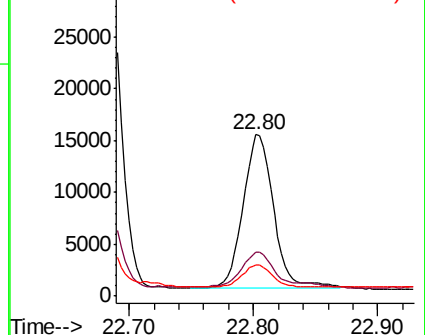
125 19.1 13.8 20.6

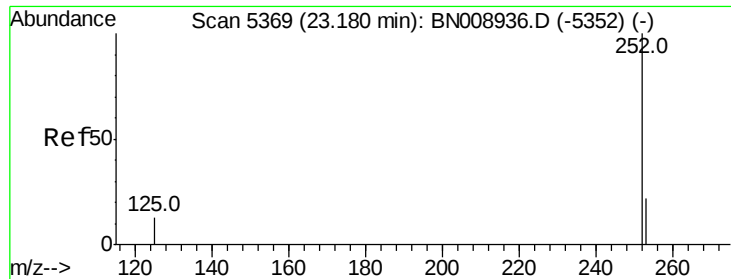


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.736 ng/ul

RT: 23.18 min Scan# 5370

Delta R.T. -0.01 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

Instrument :

BNA_N

ClientSampleId :

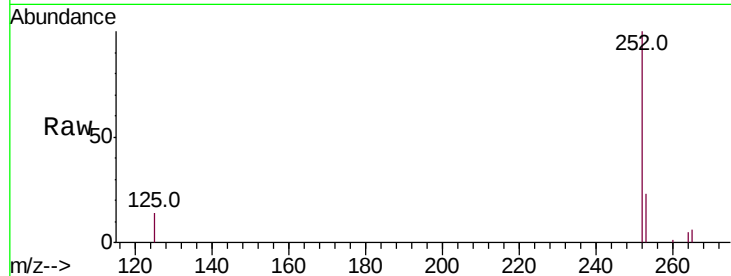
Tot Ion:252 Resp: 88530

Ion Ratio Lower Upper

252 100

253 23.2 19.9 29.9

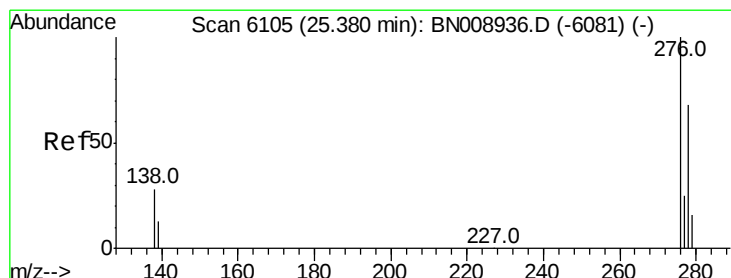
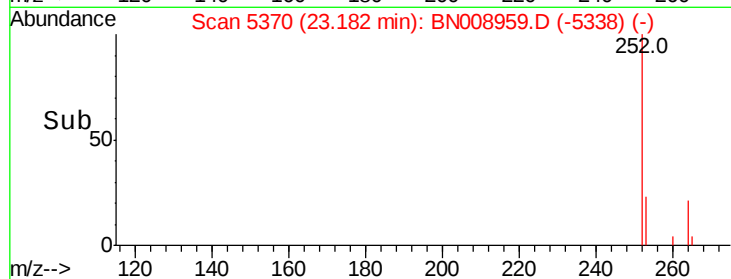
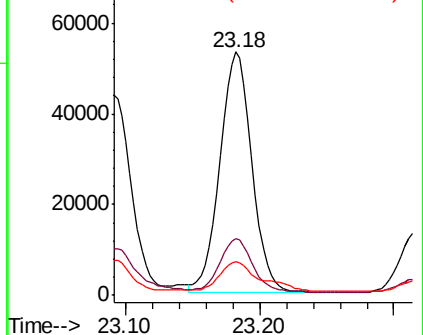
125 13.8 14.6 22.0#



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: 0.857 ng/ul

RT: 25.38 min Scan# 6104

Delta R.T. -0.01 min

Lab File: BN008959.D

Acq: 12 Dec 2019 23:13

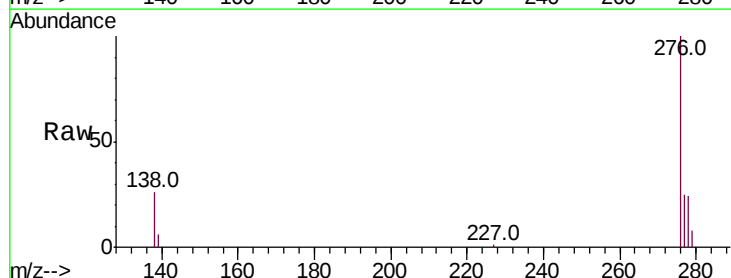
Tgt Ion:276 Resp: 51133

Ion Ratio Lower Upper

276 100

138 25.2 23.8 35.6

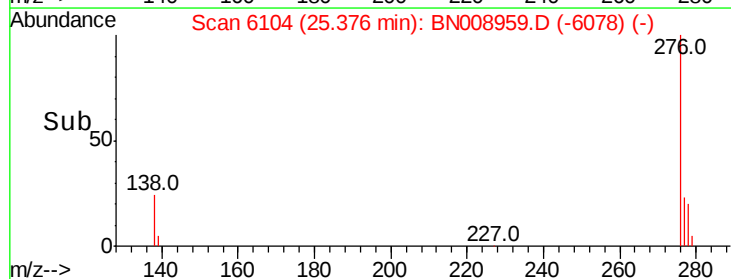
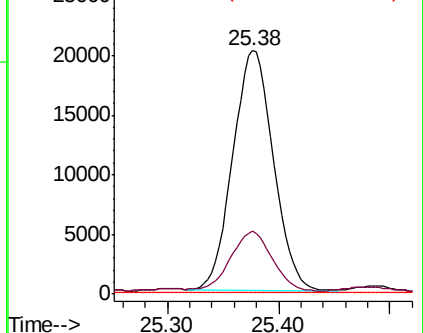
227 0.2 0.2 0.2

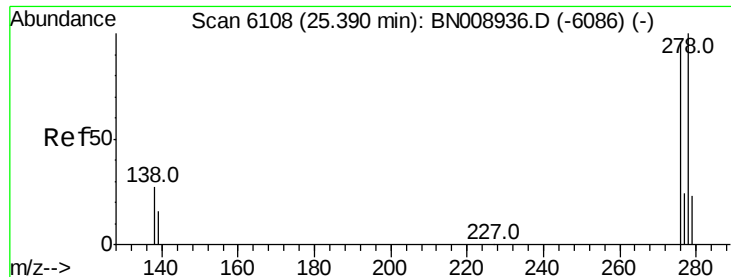


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

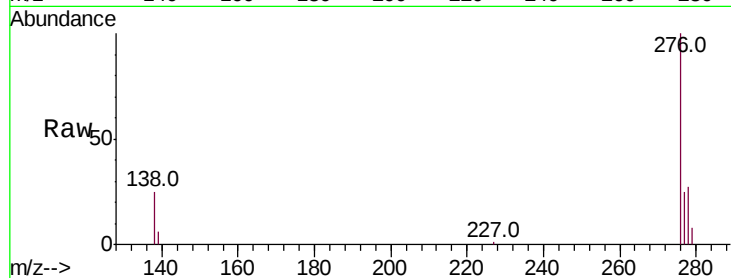




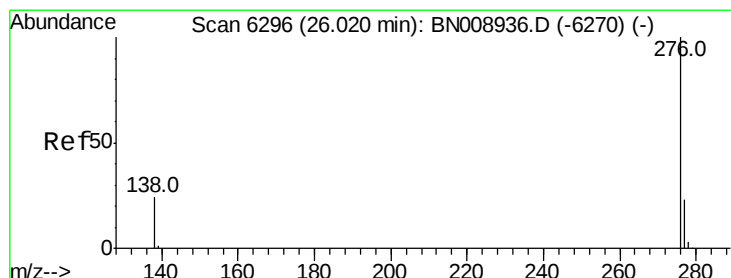
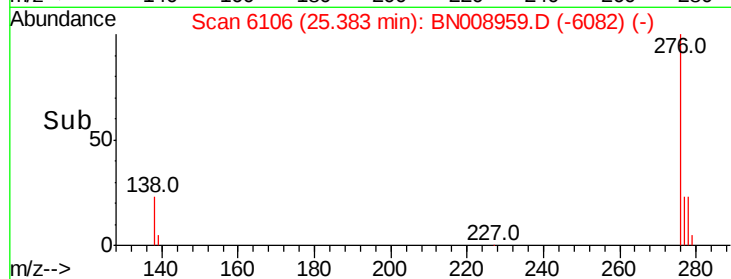
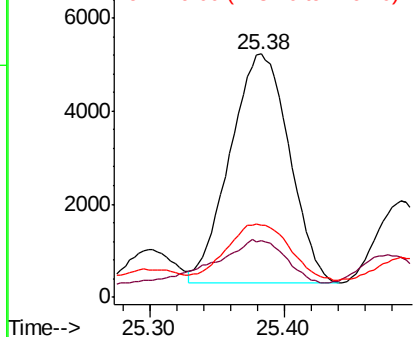
#25
Dibenzo(a,h)anthracene
Concen: 0.312 ng/u1
RT: 25.38 min Scan# 6106
Delta R.T. -0.02 min
Lab File: BN008959.D
Acq: 12 Dec 2019 23:13

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 15034
Ion Ratio Lower Upper
278 100
139 23.2 17.4 26.0
279 29.9 20.5 30.7

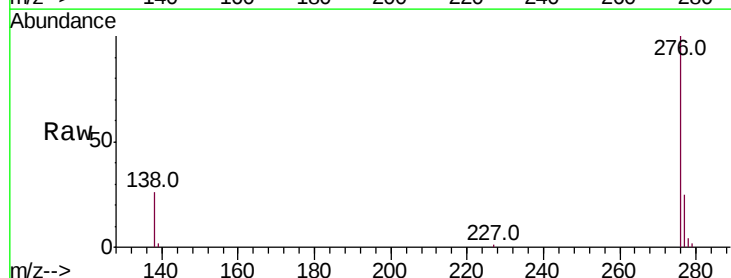


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.876 ng/u1
RT: 26.02 min Scan# 6295
Delta R.T. -0.01 min
Lab File: BN008959.D
Acq: 12 Dec 2019 23:13

Tgt Ion:276 Resp: 43722
Ion Ratio Lower Upper
276 100
138 25.6 21.9 32.9
277 24.7 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

