

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008958.D
 Acq On : 12 Dec 2019 22:37
 Operator : JU
 Sample : K6089-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 13 00:51:41 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	2661	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11732	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7536	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	17125	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14444	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	13870	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	2906	0.15	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	8196	0.16	ng/ul	0.00

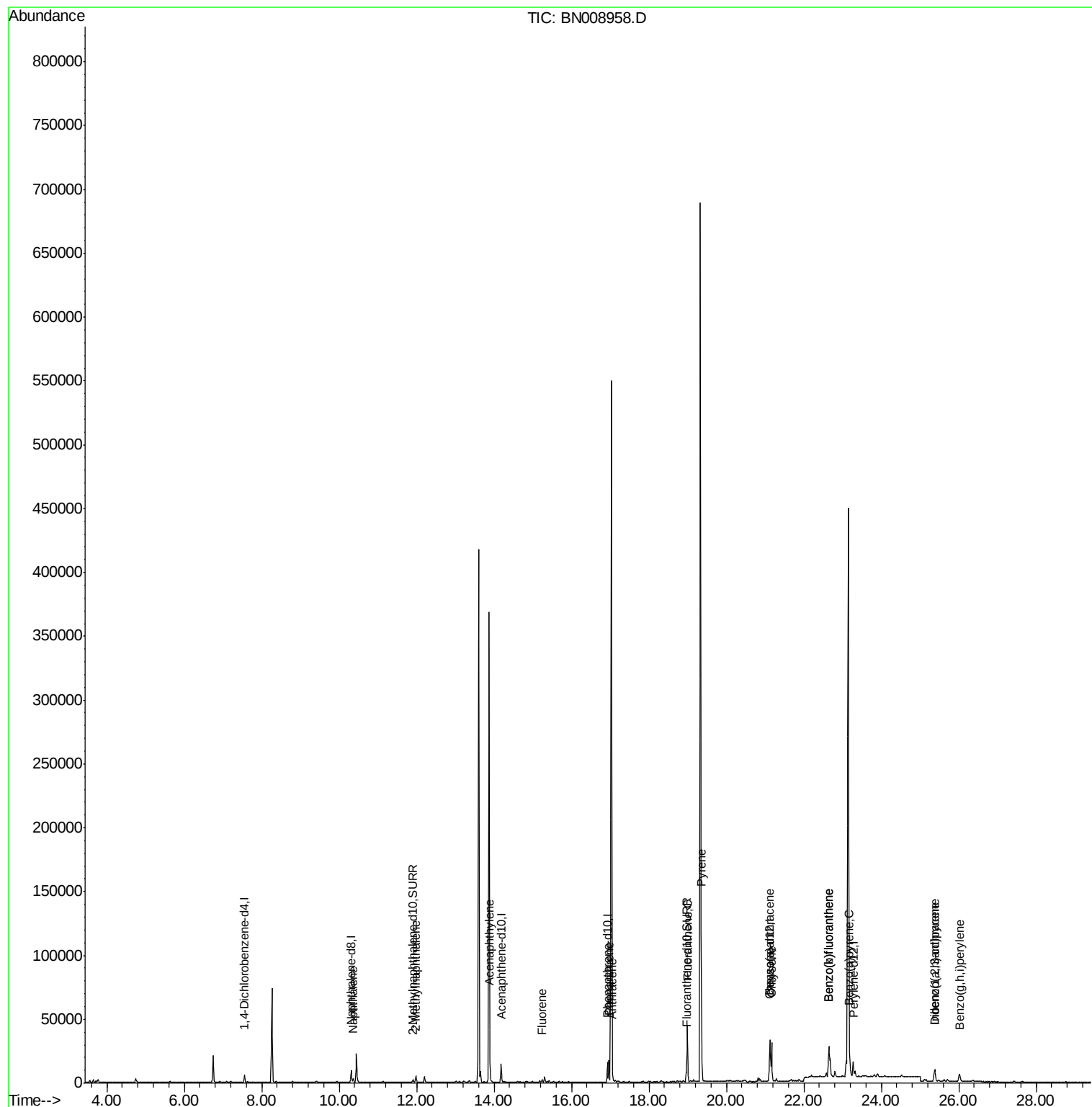
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	4293	0.121	ng/ul	96
5) 2-Methylnaphthalene	11.98	142	3566	0.144	ng/ul	100
7) Acenaphthylene	13.90	152	3881	0.093	ng/ul	95
9) Fluorene	15.24	166	1038	0.029	ng/ul#	84
12) Phenanthrene	16.97	178	18197	0.315	ng/ul	100
13) Anthracene	17.06	178	4096	0.075	ng/ul#	94
15) Fluoranthene	18.99	202	35986	0.507	ng/ul	98
17) Pyrene	19.35	202	32445	0.560	ng/ul	99
18) Benzo(a)anthracene	21.11	228	23577	0.406	ng/ul	94
19) Chrysene	21.17	228	29178	0.511	ng/ul	97
21) Benzo(b)fluoranthene	22.64	252	49042	0.857	ng/ul	99
22) Benzo(k)fluoranthene	22.64	252	49042	0.865	ng/ul	99
23) Benzo(a)pyrene	23.18	252	19703	0.367	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.38	276	12766	0.203	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.39	278	4148	0.082	ng/ul#	75
26) Benzo(a,h,i)perylene	26.02	276	11488	0.219	ng/ul	99

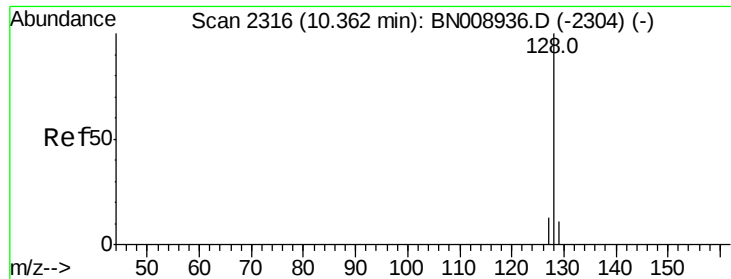
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.121 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

Instrument :

BNA_N

ClientSampleId :

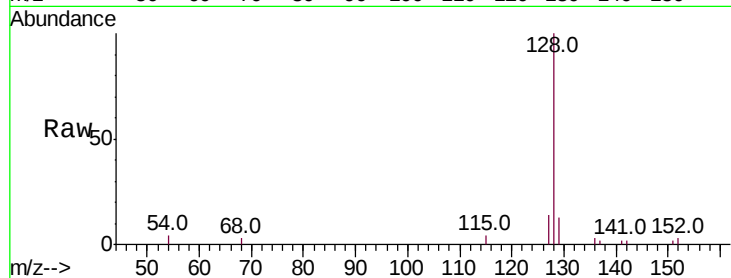
Tot Ion:128 Resp: 4293

Ion Ratio Lower Upper

128 100

129 13.4 9.1 13.7

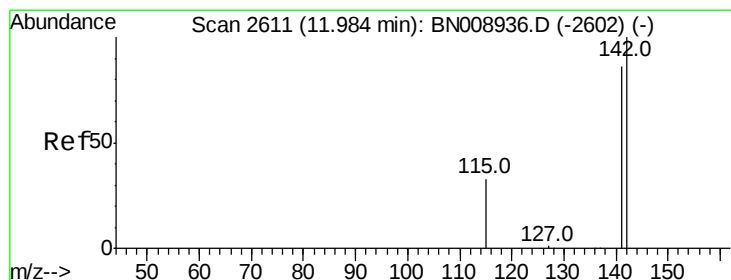
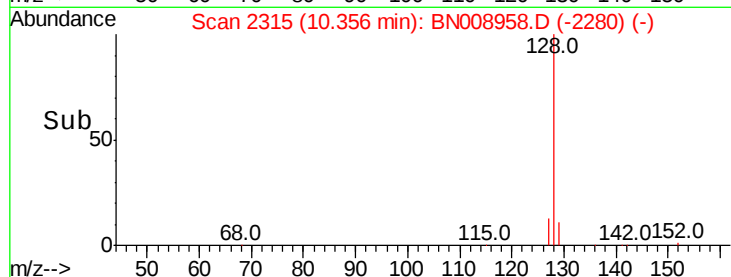
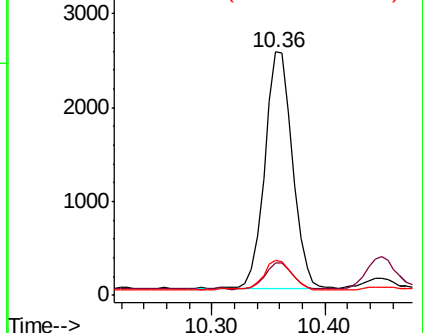
127 14.5 10.7 16.1



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: 0.144 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BN008958.D

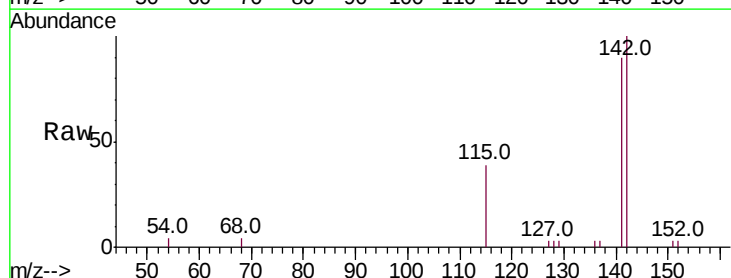
Acq: 12 Dec 2019 22:37

Tgt Ion:142 Resp: 3566

Ion Ratio Lower Upper

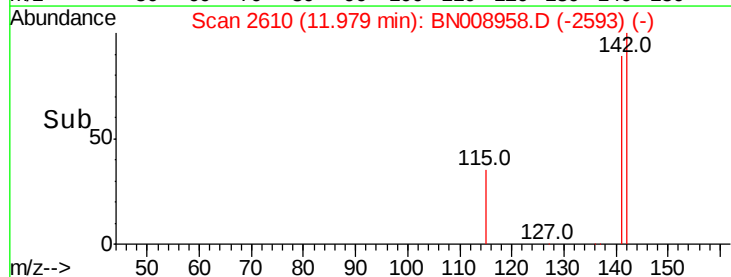
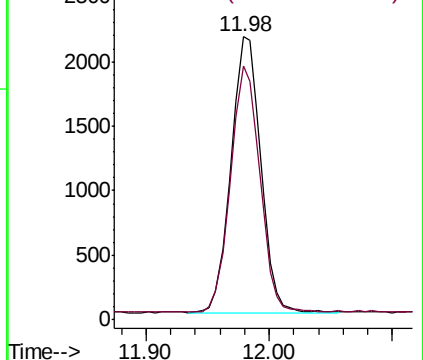
142 100

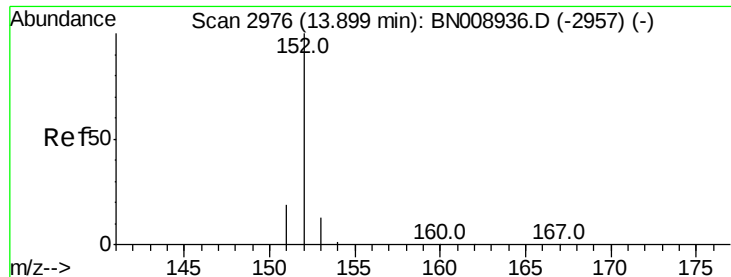
141 88.0 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.093 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

Instrument :

BNA_N

ClientSampleId :

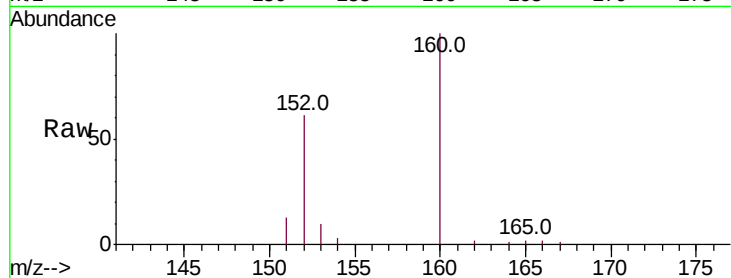
Tot Ion:152 Resp: 3881

Ion Ratio Lower Upper

152 100

151 21.5 15.8 23.6

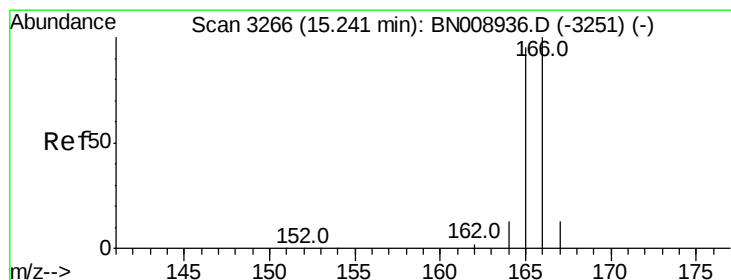
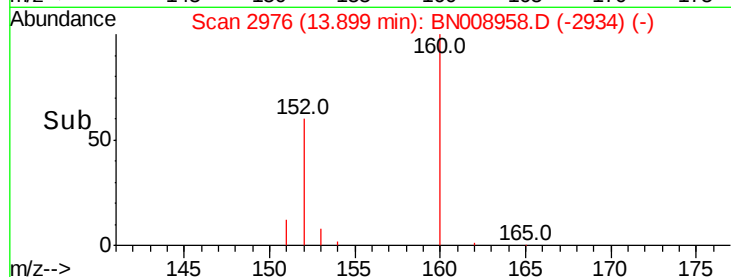
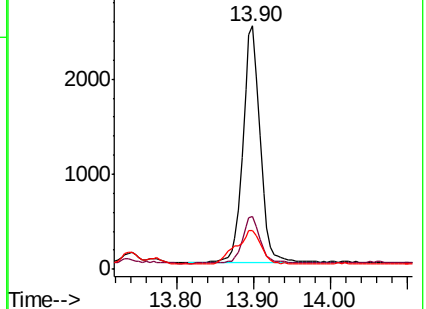
153 15.8 10.6 15.8



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: 0.029 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

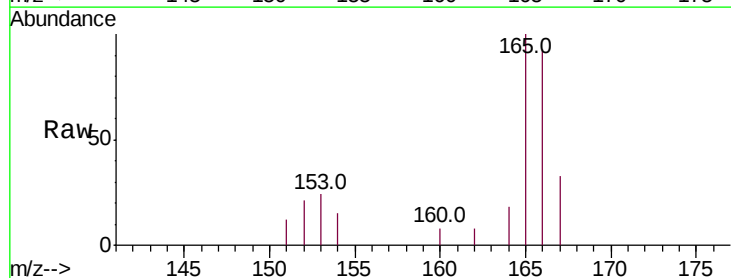
Tgt Ion:166 Resp: 1038

Ion Ratio Lower Upper

166 100

165 107.3 77.7 116.5

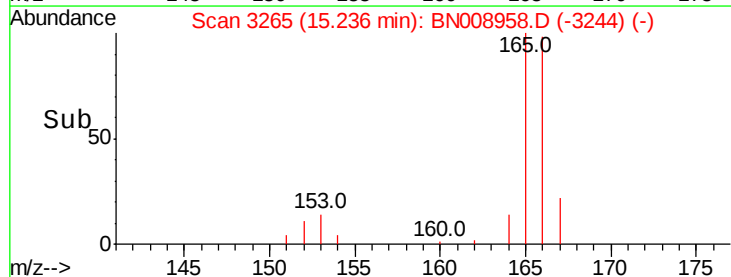
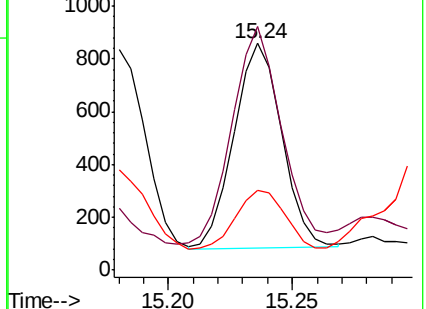
167 35.2 11.1 16.7#

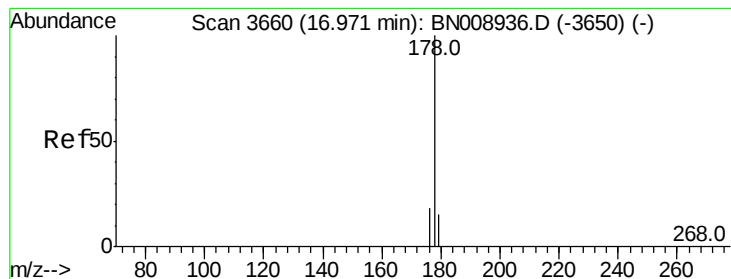


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.315 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

Instrument :

BNA_N

ClientSampleId :

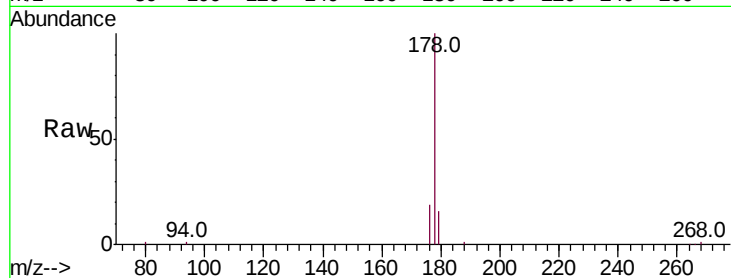
Tot Ion:178 Resp: 18197

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

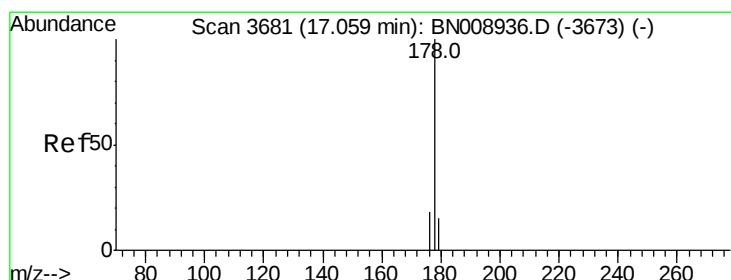
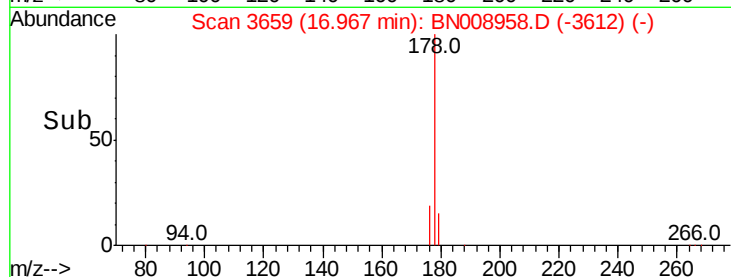
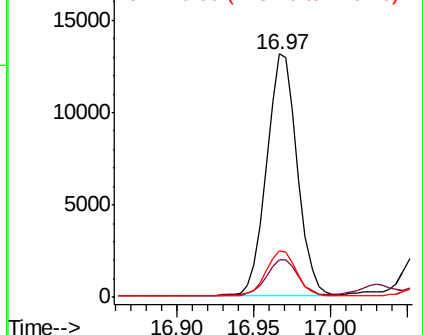
176 19.0 15.3 22.9



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: 0.075 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

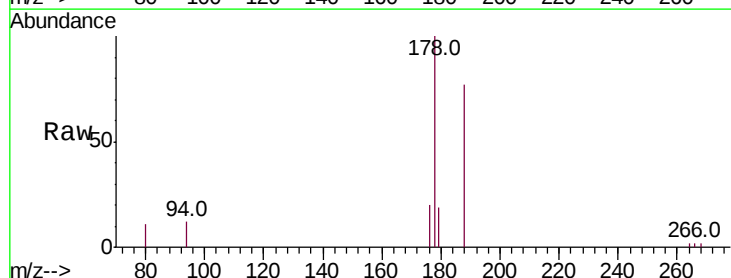
Tgt Ion:178 Resp: 4096

Ion Ratio Lower Upper

178 100

179 19.5 12.2 18.4#

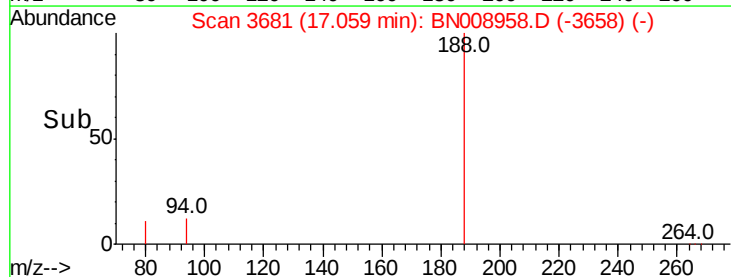
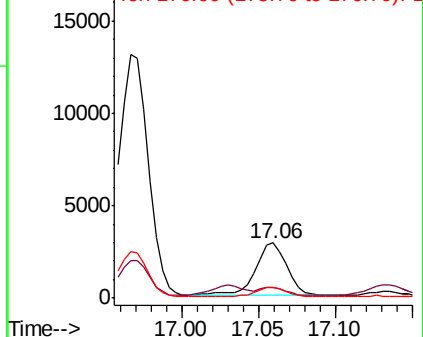
176 19.9 14.7 22.1

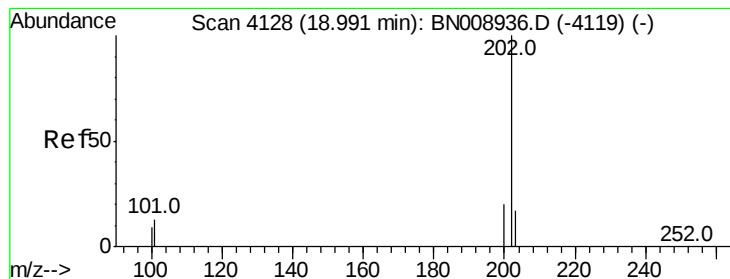


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.507 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

Instrument :

BNA_N

ClientSampleId :

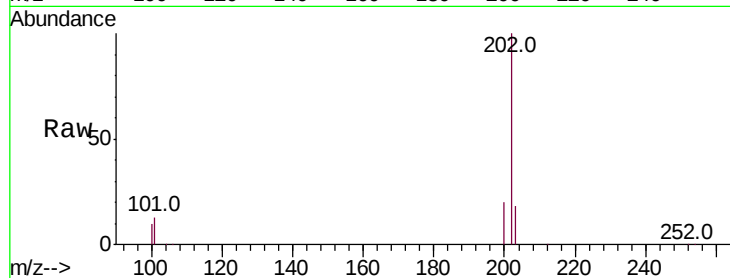
Tot Ion:202 Resp: 35986

Ion Ratio Lower Upper

202 100

101 13.0 0.0 32.4

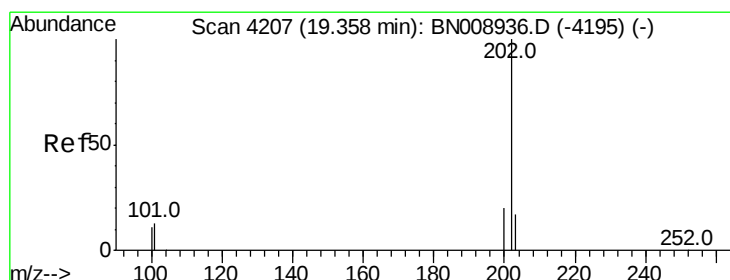
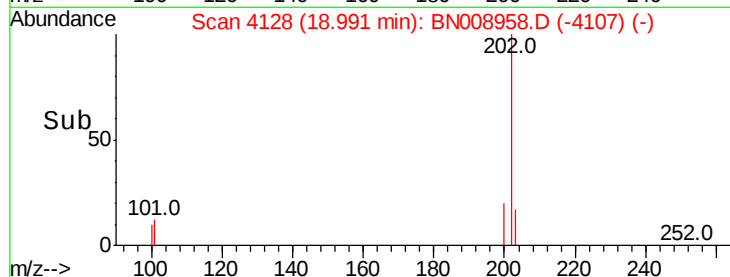
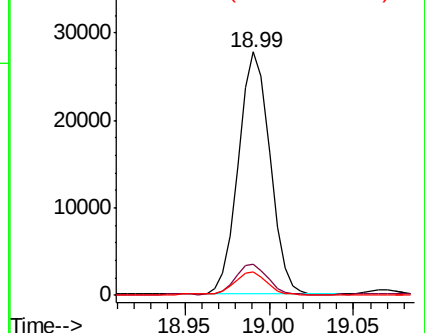
100 9.8 0.0 29.2



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: 0.560 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

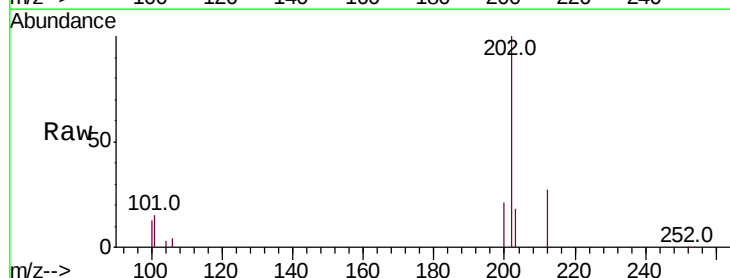
Tgt Ion:202 Resp: 32445

Ion Ratio Lower Upper

202 100

101 15.1 12.2 18.4

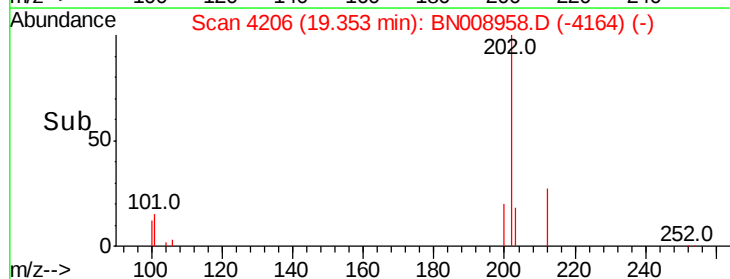
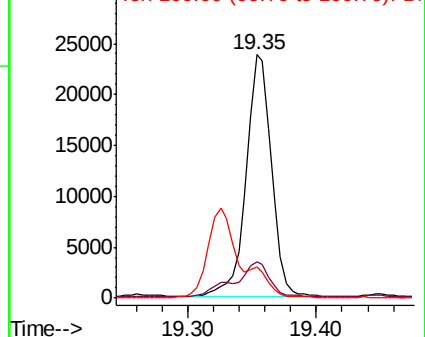
100 12.6 9.5 14.3

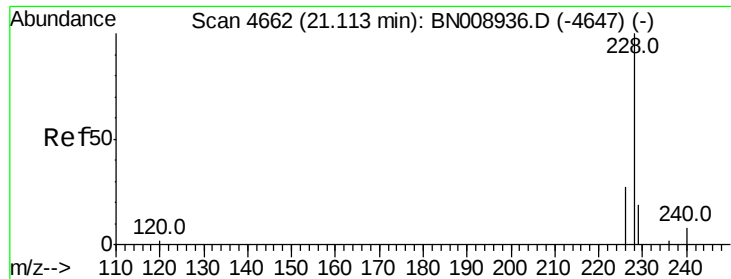


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.406 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. -0.00 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

Instrument :

BNA_N

ClientSampleId :

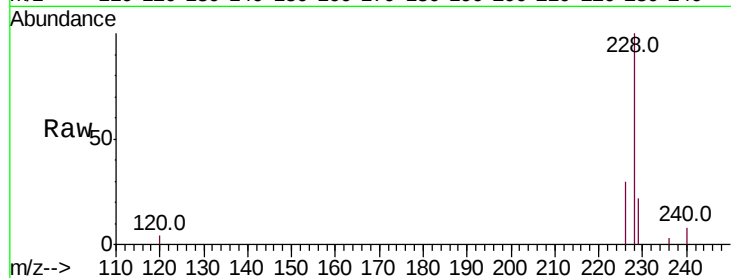
Tot Ion:228 Resp: 23577

Ion Ratio Lower Upper

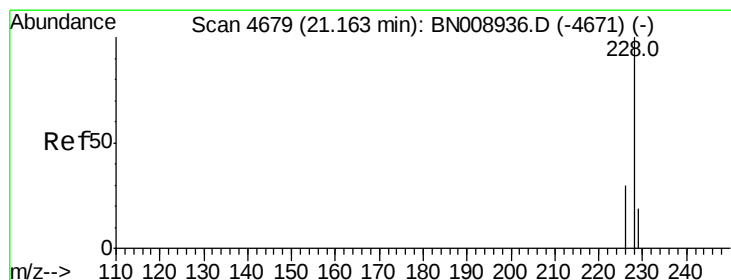
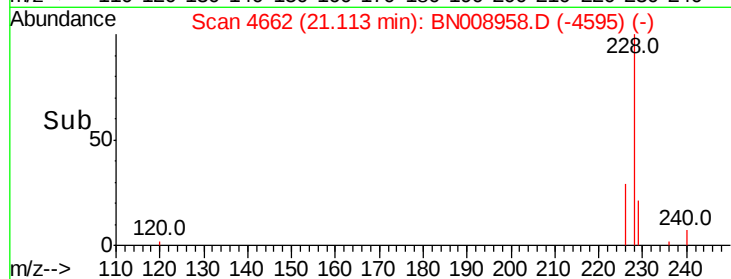
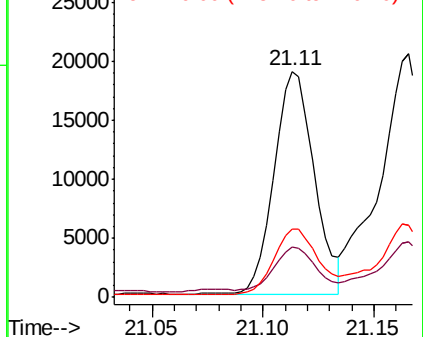
228 100

229 22.4 15.7 23.5

226 30.0 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: 0.511 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. -0.00 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

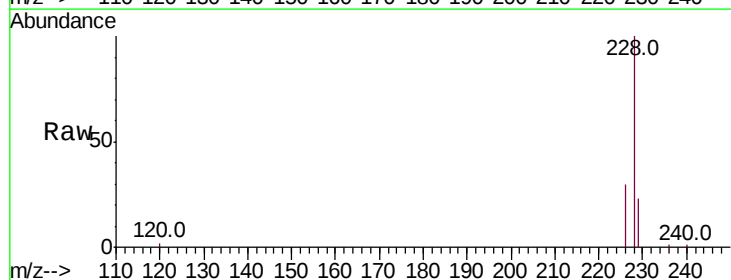
Tgt Ion:228 Resp: 29178

Ion Ratio Lower Upper

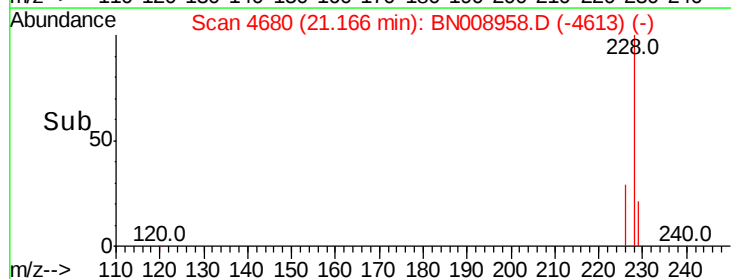
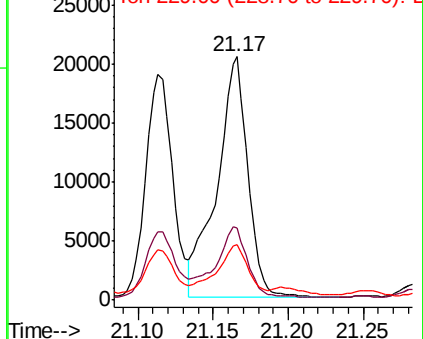
228 100

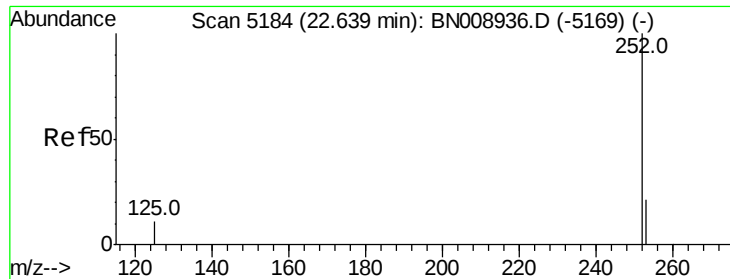
226 29.7 23.8 35.6

229 22.7 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: 0.857 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. -0.00 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

Instrument :

BNA_N

ClientSampleId :

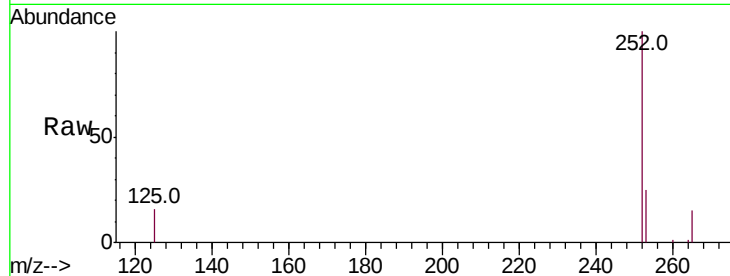
Tot Ion:252 Resp: 49042

Ion Ratio Lower Upper

252 100

253 24.8 0.0 48.6

125 16.1 0.0 31.6

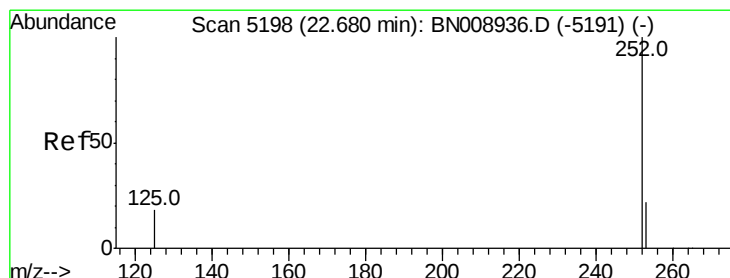
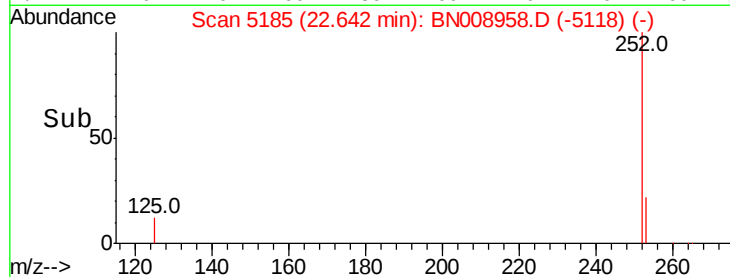
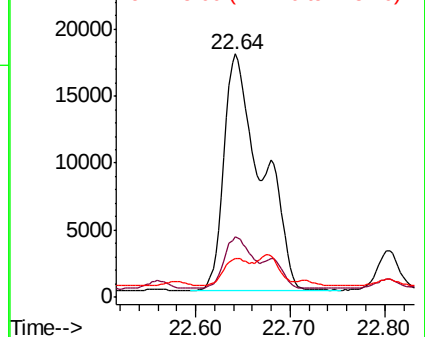


Abundance

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: 0.865 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. -0.05 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

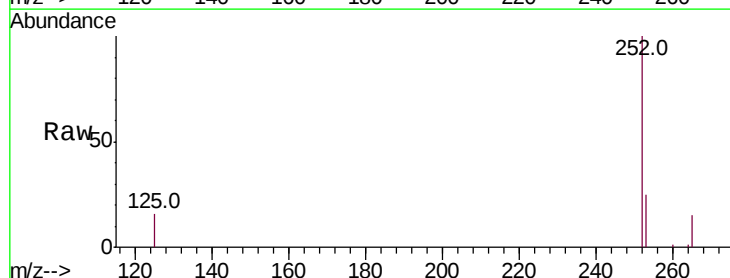
Tgt Ion:252 Resp: 49042

Ion Ratio Lower Upper

252 100

253 24.8 19.6 29.4

125 16.1 13.8 20.6

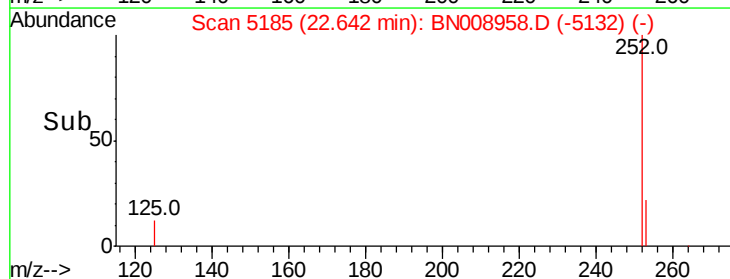
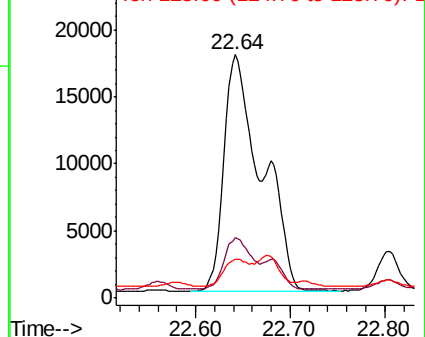


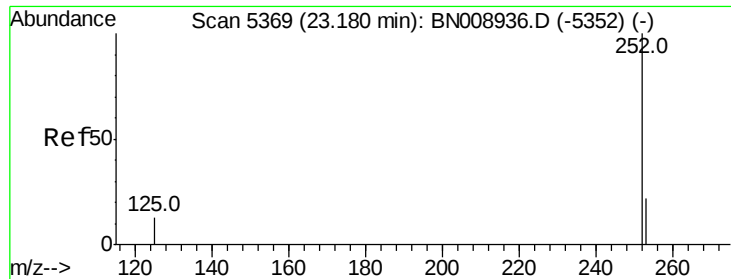
Abundance

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: 0.367 ng/ul

RT: 23.18 min Scan# 5370

Delta R.T. -0.00 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

Instrument :

BNA_N

ClientSampleId :

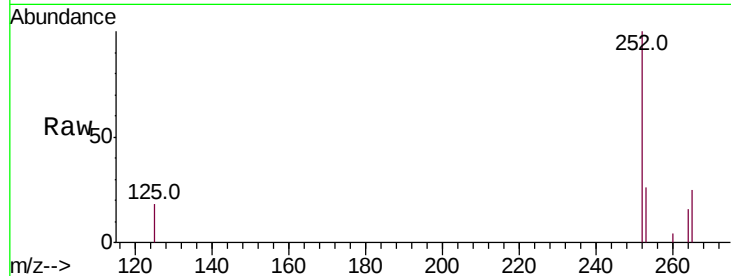
Tot Ion:252 Resp: 19703

Ion Ratio Lower Upper

252 100

253 26.1 19.9 29.9

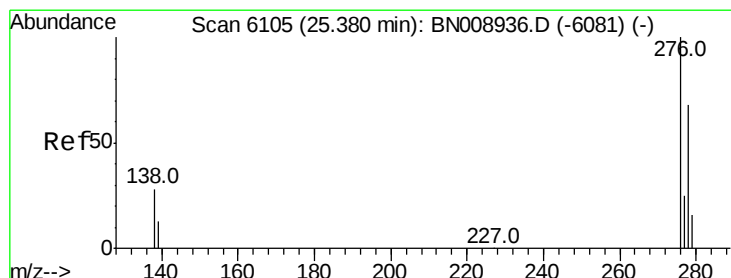
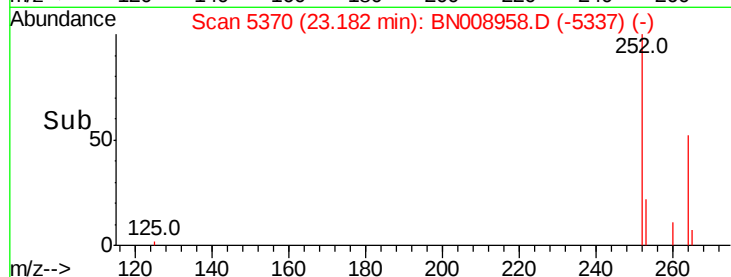
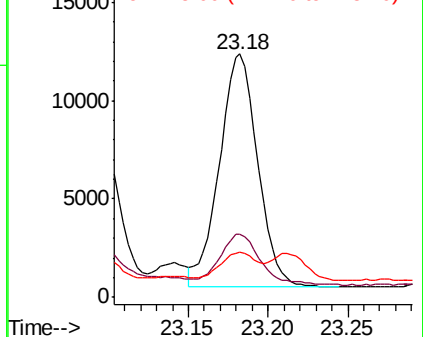
125 18.4 14.6 22.0



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: 0.203 ng/ul

RT: 25.38 min Scan# 6104

Delta R.T. -0.01 min

Lab File: BN008958.D

Acq: 12 Dec 2019 22:37

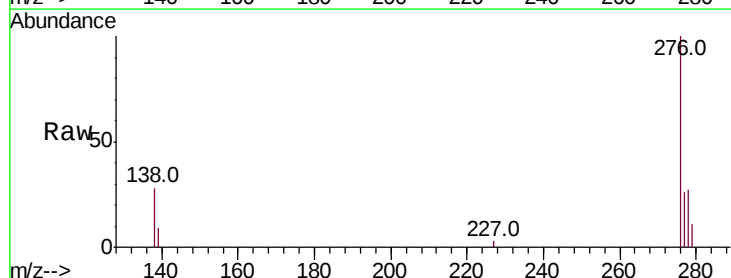
Tgt Ion:276 Resp: 12766

Ion Ratio Lower Upper

276 100

138 25.7 23.8 35.6

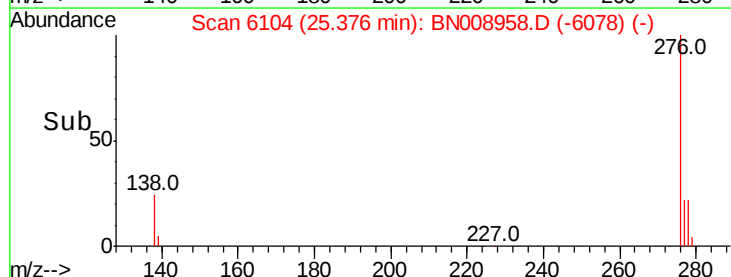
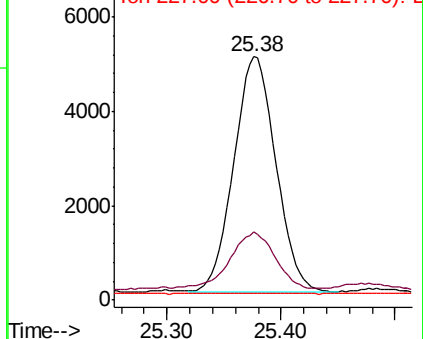
227 0.1 0.2 0.2#

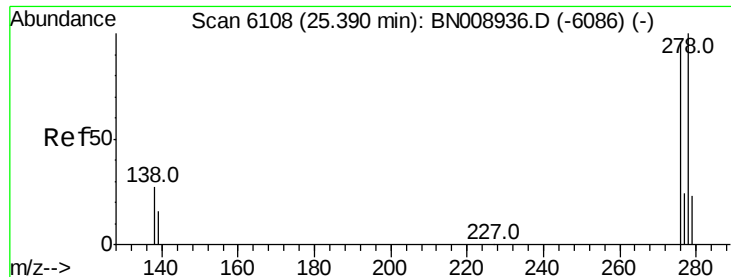


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

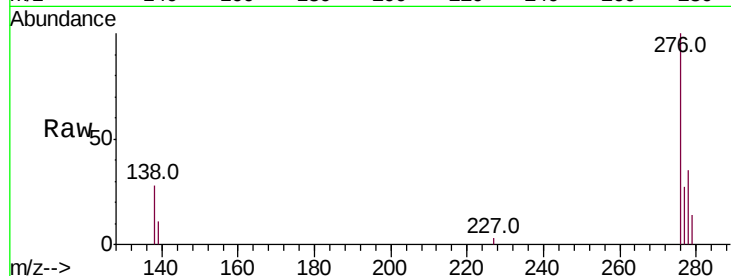




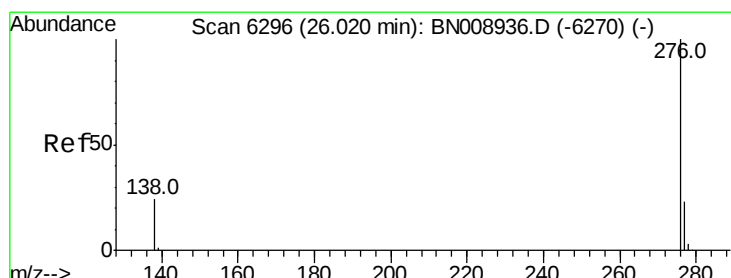
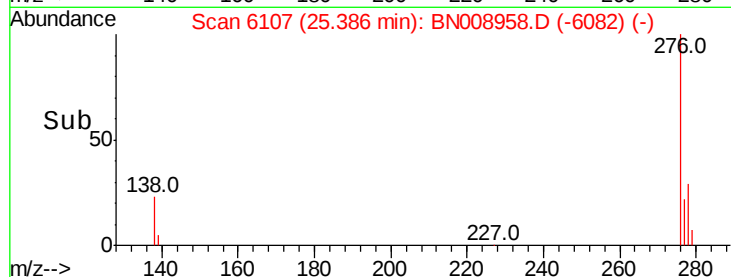
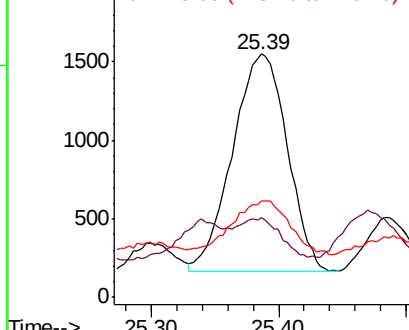
#25
Dibenzo(a,h)anthracene
Concen: 0.082 ng/ul
RT: 25.39 min Scan# 6107
Delta R.T. -0.02 min
Lab File: BN008958.D
Acq: 12 Dec 2019 22:37

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 4148
Ion Ratio Lower Upper
278 100
139 32.6 17.4 26.0#
279 39.4 20.5 30.7#

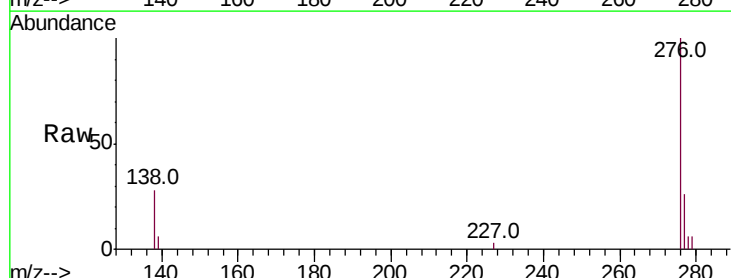


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.219 ng/ul
RT: 26.02 min Scan# 6296
Delta R.T. -0.01 min
Lab File: BN008958.D
Acq: 12 Dec 2019 22:37

Tgt Ion:276 Resp: 11488
Ion Ratio Lower Upper
276 100
138 27.7 21.9 32.9
277 25.5 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

