

Data File : BN008990.D
Acq On : 14 Dec 2019 05:10
Operator : JU
Sample : K4649-06DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A5169DL

Quant Time: Dec 16 00:52:13 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 : Mon Dec 16 00:48:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	3313	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	14383	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	9460	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	21704	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	18313	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	16499	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	785	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	2361	0.04	ng/ul	0.00

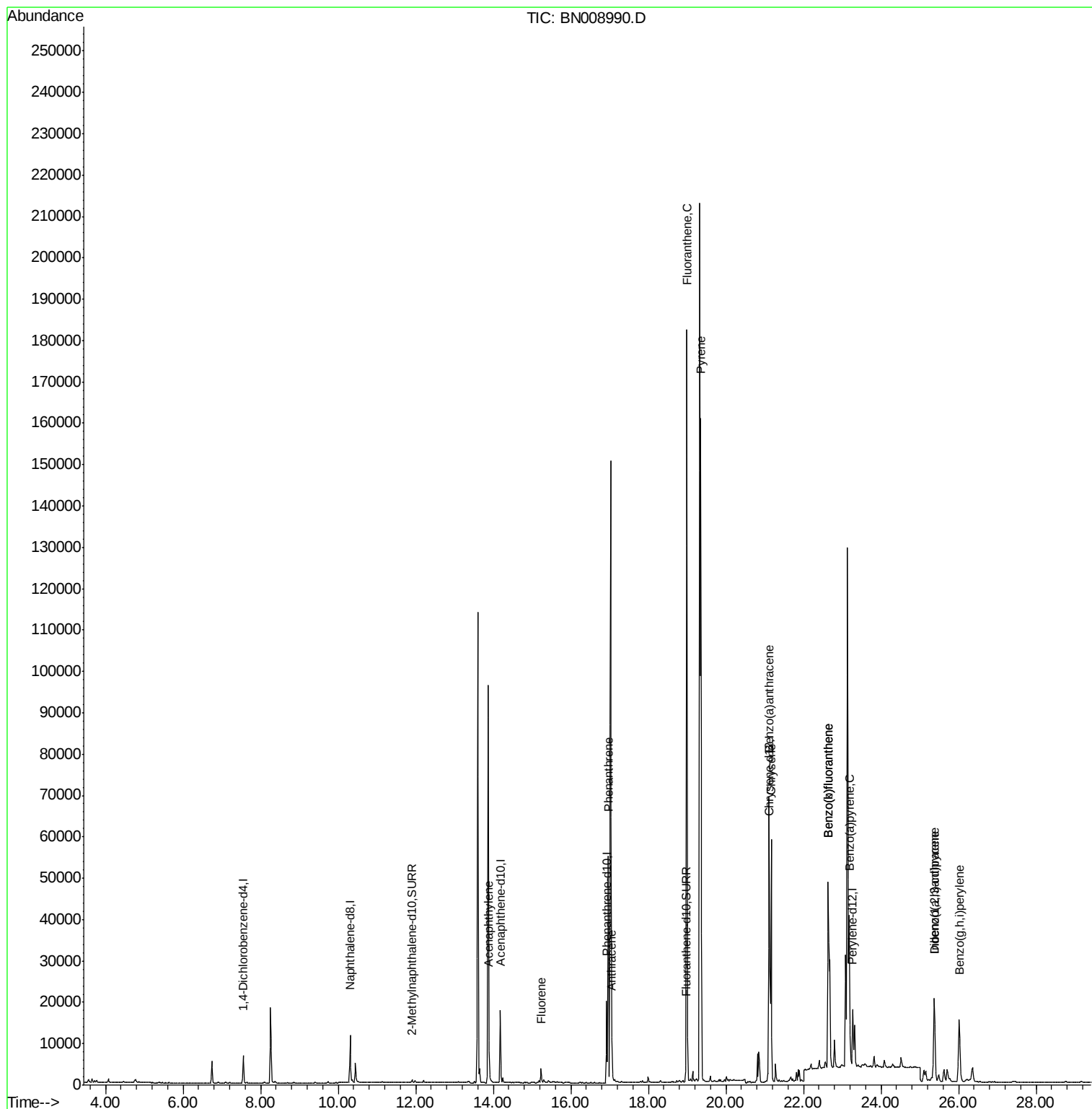
Target Compounds						Qvalue
7) Acenaphthylene	13.89	152	7142	0.137	ng/ul	97
9) Fluorene	15.23	166	2133	0.047	ng/ul#	99
12) Phenanthrene	16.97	178	56439	0.771	ng/ul	99
13) Anthracene	17.06	178	9745	0.141	ng/ul	98
15) Fluoranthene	18.99	202	152436	1.695	ng/ul	98
17) Pyrene	19.35	202	130603	1.778	ng/ul	97
18) Benzo(a)anthracene	21.11	228	54289	0.737	ng/ul	98
19) Chrysene	21.16	228	56402	0.780	ng/ul	98
21) Benzo(b)fluoranthene	22.64	252	93242	1.370	ng/ul	96
22) Benzo(k)fluoranthene	22.64	252	93242	1.382	ng/ul#	95
23) Benzo(a)pyrene	23.18	252	46009	0.720	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.38	276	29088	0.389	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.38	278	6252	0.104	ng/ul#	91
26) Benzo(g,h,i)perylene	26.01	276	28390	0.454	ng/ul	97

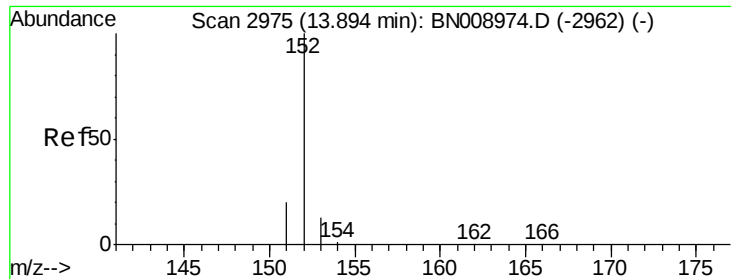
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.137 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

Instrument :

BNA_N

ClientSampleId :

A5169DL

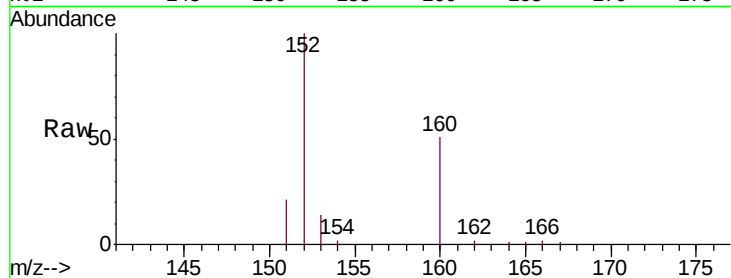
Tgt Ion:152 Resp: 7142

Ion Ratio Lower Upper

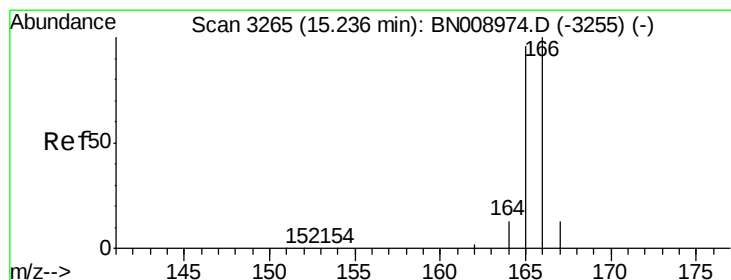
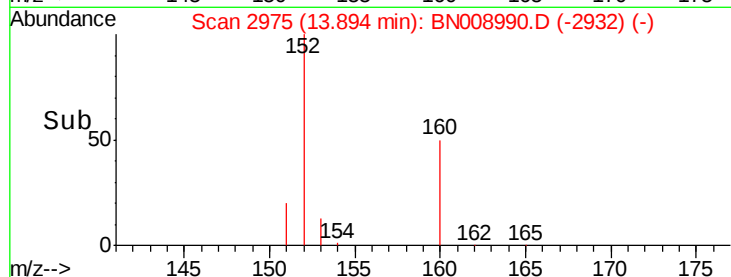
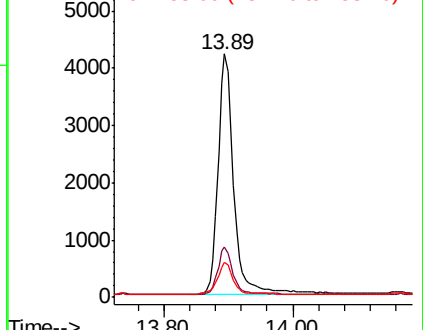
152 100

151 20.8 15.8 23.6

153 14.5 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: 0.047 ng/ul

RT: 15.23 min Scan# 3264

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

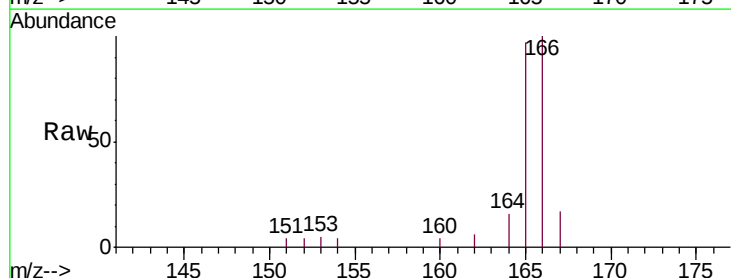
Tgt Ion:166 Resp: 2133

Ion Ratio Lower Upper

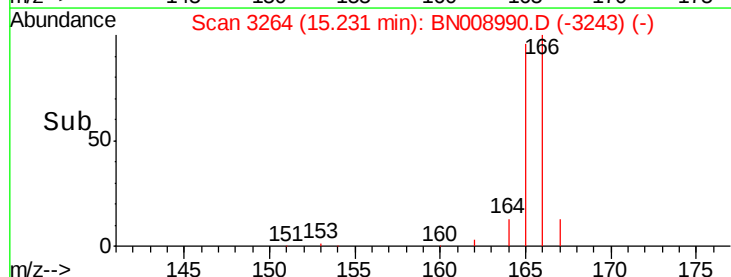
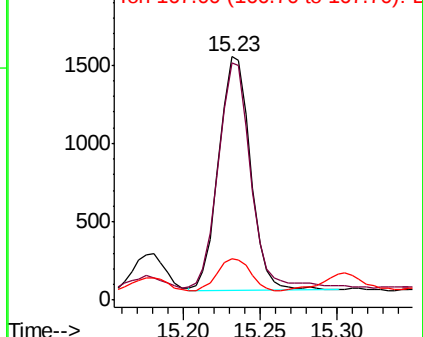
166 100

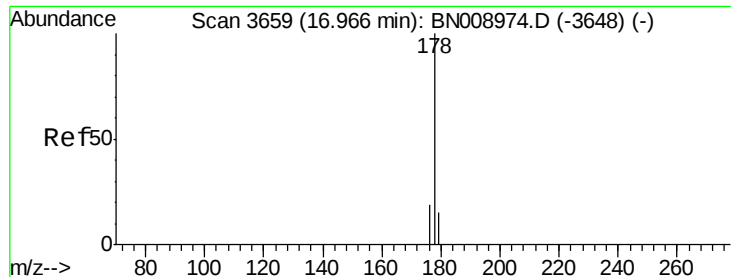
165 97.4 77.7 116.5

167 17.1 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: 0.771 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

Instrument :

BNA_N

ClientSampleId :

A5169DL

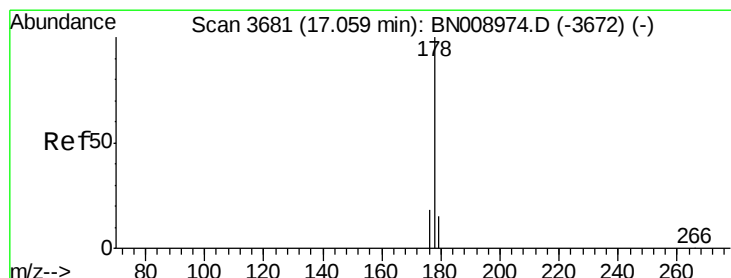
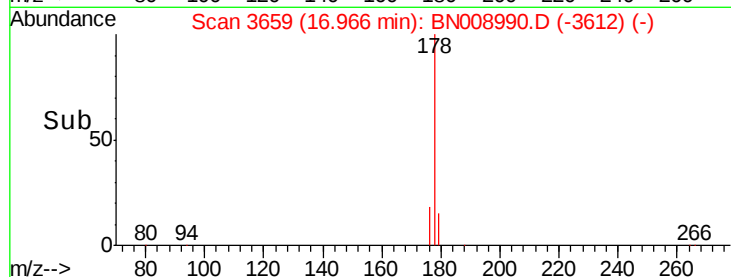
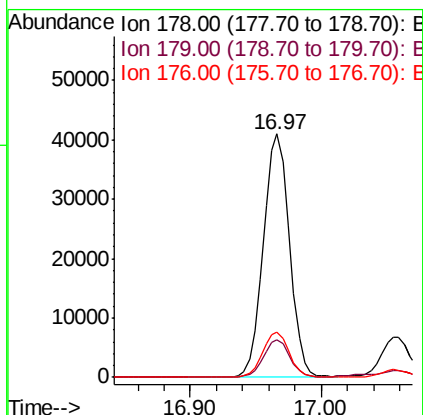
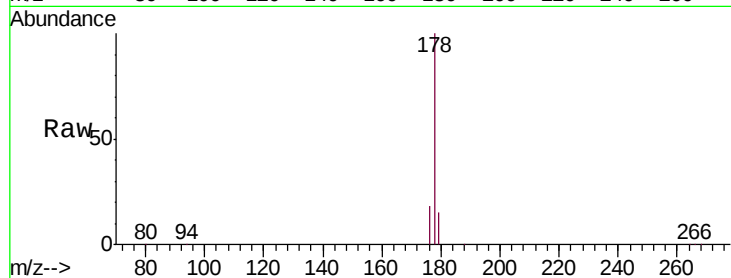
Tgt Ion:178 Resp: 56439

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 18.4 15.3 22.9



#13

Anthracene

Concen: 0.141 ng/ul

RT: 17.06 min Scan# 3680

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

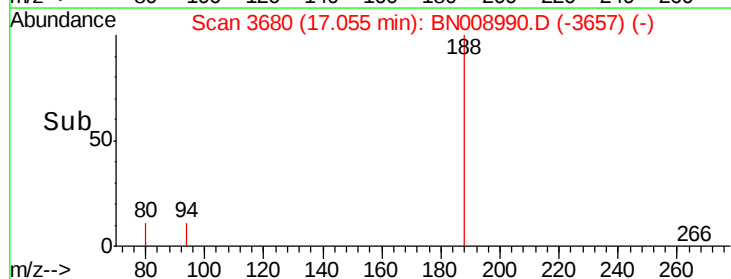
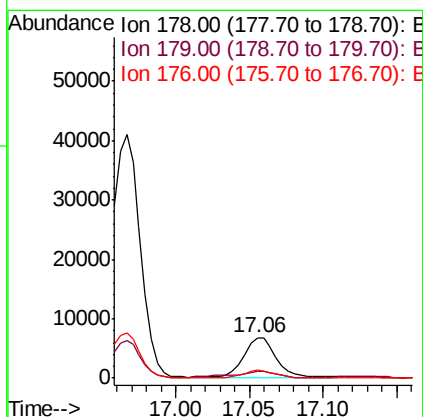
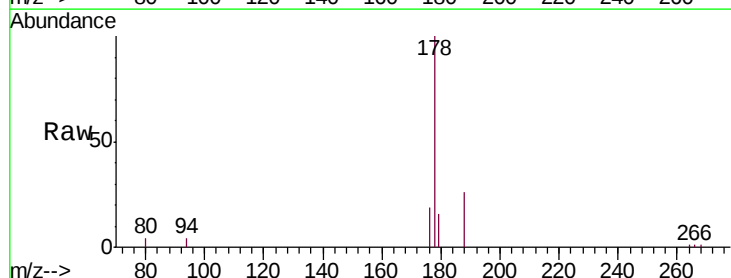
Tgt Ion:178 Resp: 9745

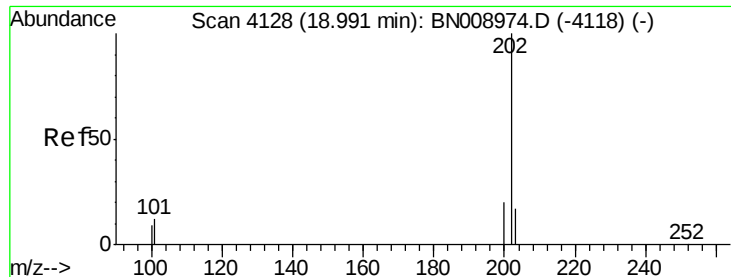
Ion Ratio Lower Upper

178 100

179 16.4 12.2 18.4

176 19.1 14.7 22.1





#15

Fluoranthene

Concen: 1.695 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

Instrument :

BNA_N

ClientSampleId :

A5169DL

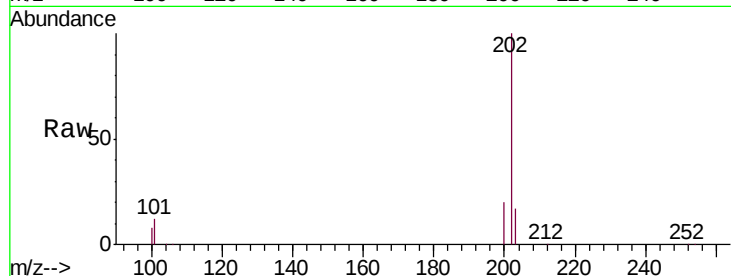
Tgt Ion:202 Resp: 152436

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.4

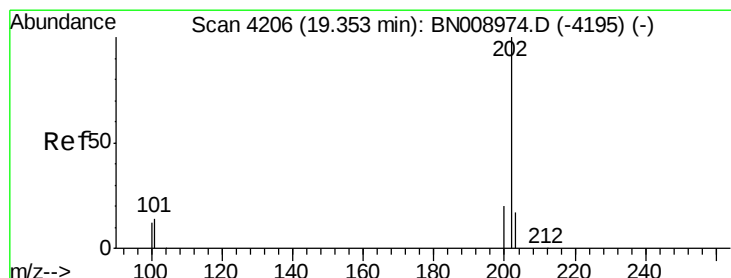
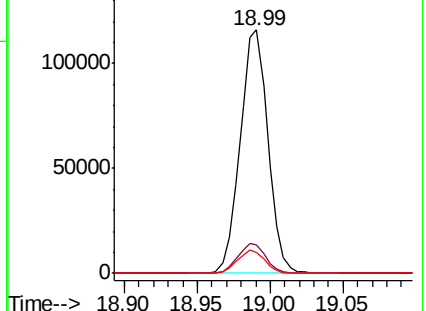
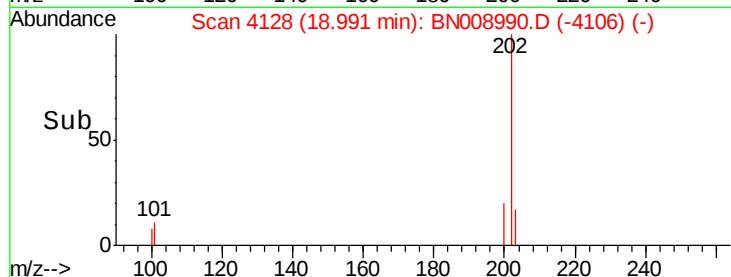
100 8.4 0.0 29.2



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: 1.778 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

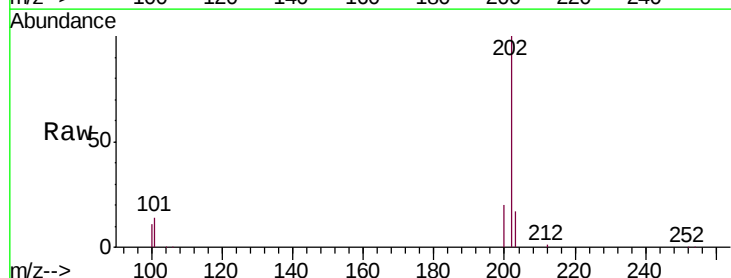
Tgt Ion:202 Resp: 130603

Ion Ratio Lower Upper

202 100

101 13.6 12.2 18.4

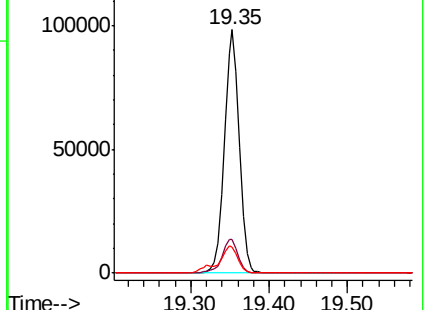
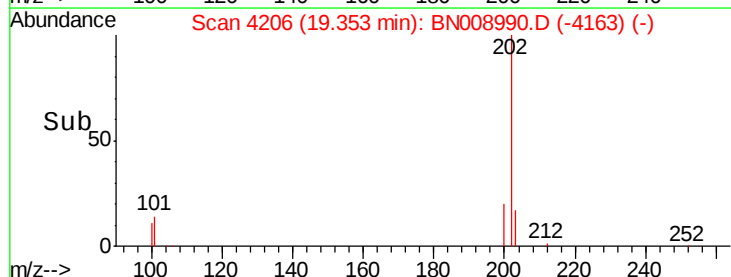
100 10.9 9.5 14.3

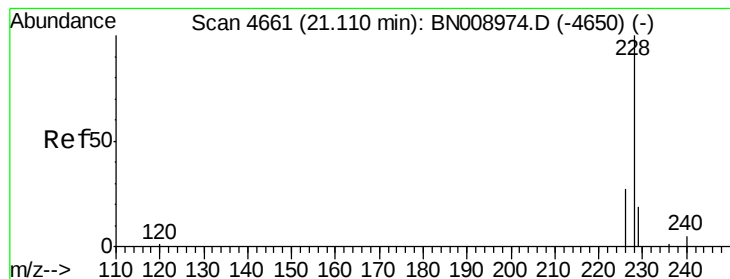


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.737 ng/ul

RT: 21.11 min Scan# 4661

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

Instrument :

BNA_N

ClientSampleId :

A5169DL

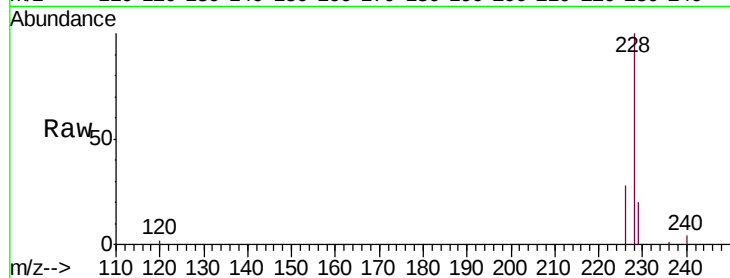
Tgt Ion:228 Resp: 54289

Ion Ratio Lower Upper

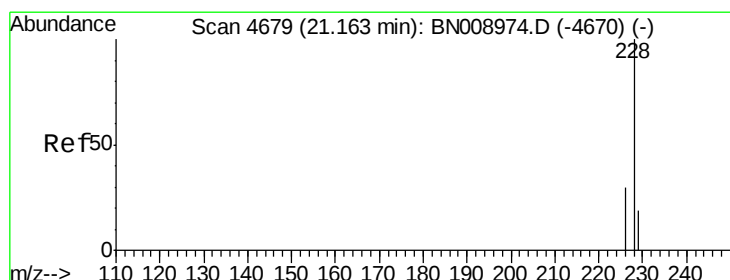
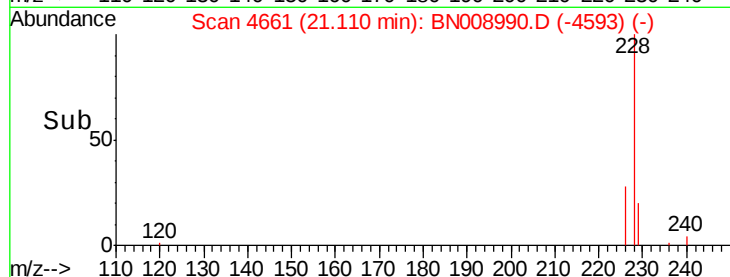
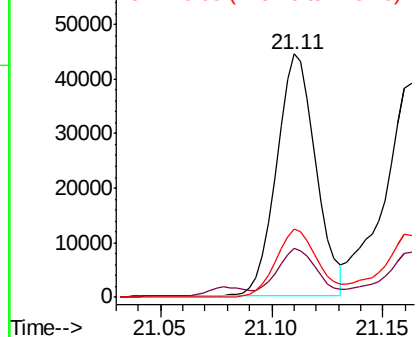
228 100

229 20.2 15.7 23.5

226 27.9 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: 0.780 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

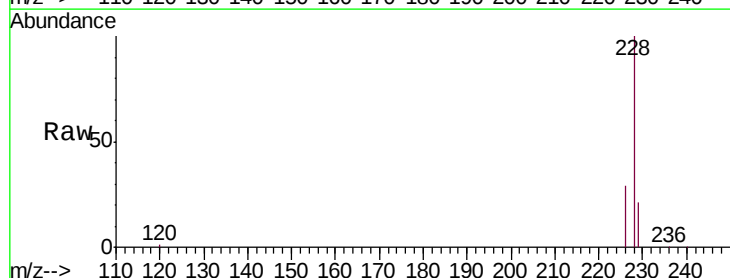
Tgt Ion:228 Resp: 56402

Ion Ratio Lower Upper

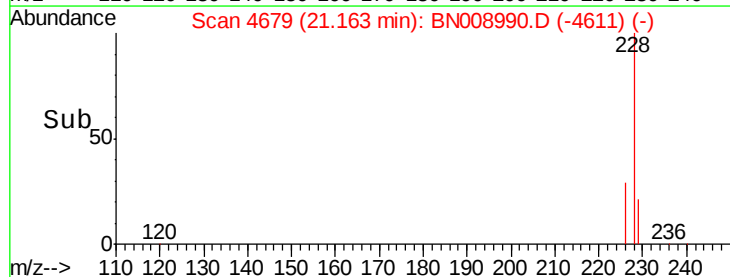
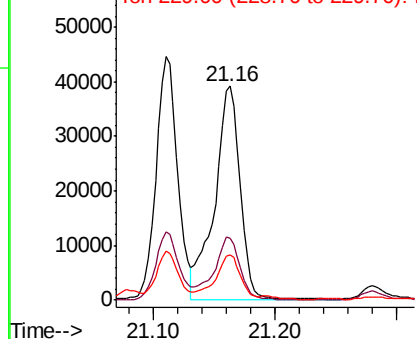
228 100

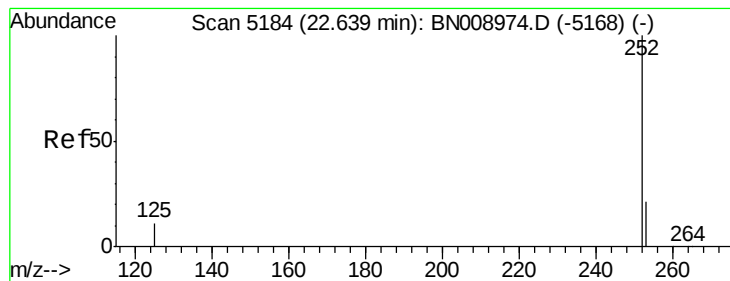
226 29.2 23.8 35.6

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: 1.370 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

Instrument :

BNA_N

ClientSampleId :

A5169DL

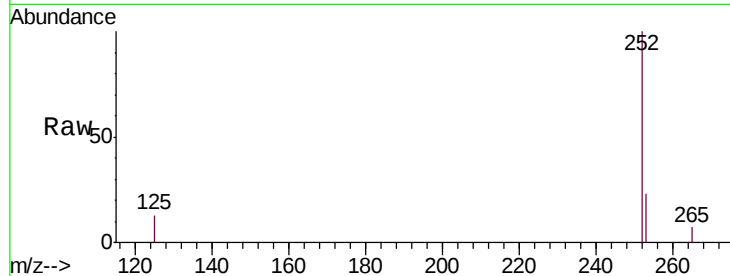
Tgt Ion:252 Resp: 93242

Ion Ratio Lower Upper

252 100

253 23.3 0.0 48.6

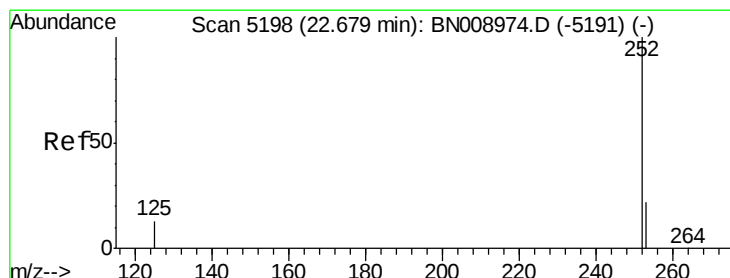
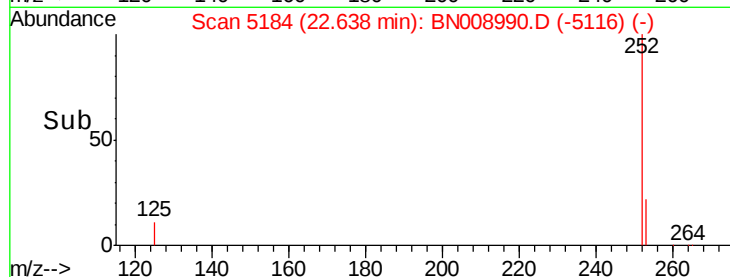
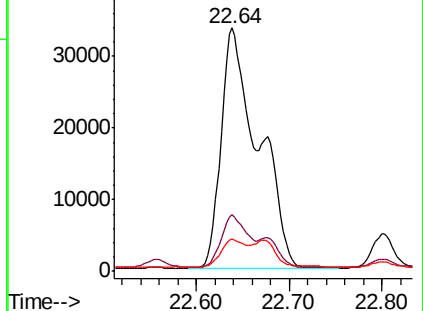
125 13.1 0.0 31.6



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: 1.382 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. -0.04 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

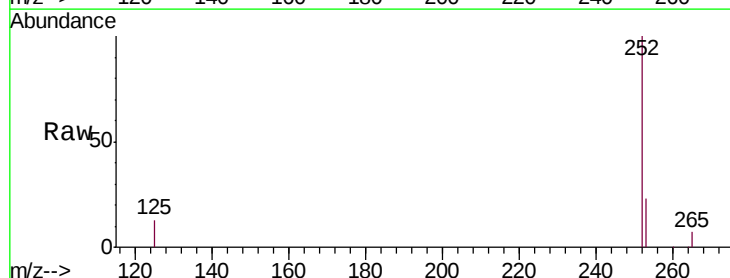
Tgt Ion:252 Resp: 93242

Ion Ratio Lower Upper

252 100

253 23.3 19.6 29.4

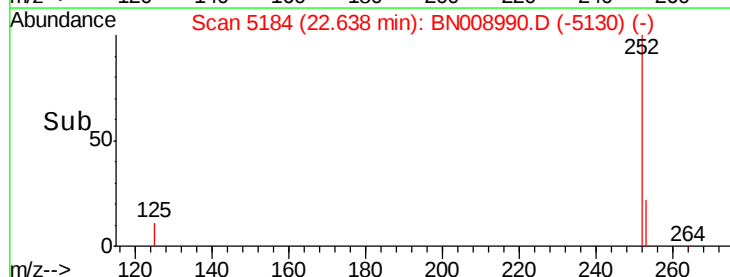
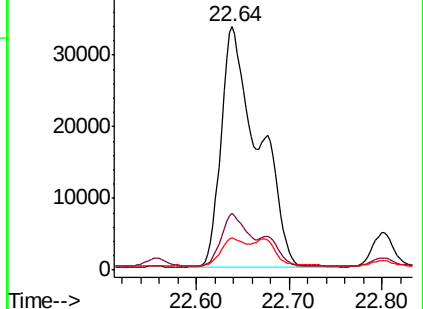
125 13.1 13.8 20.6#

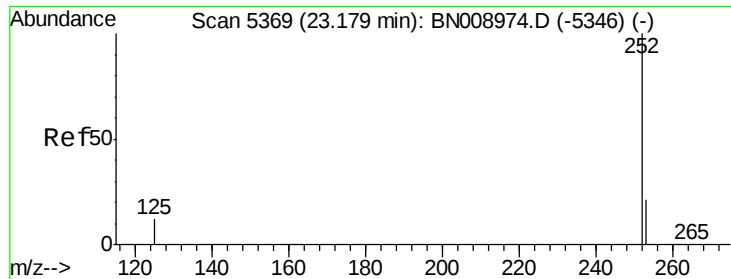


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.720 ng/u1

RT: 23.18 min Scan# 5368

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

Instrument :

BNA_N

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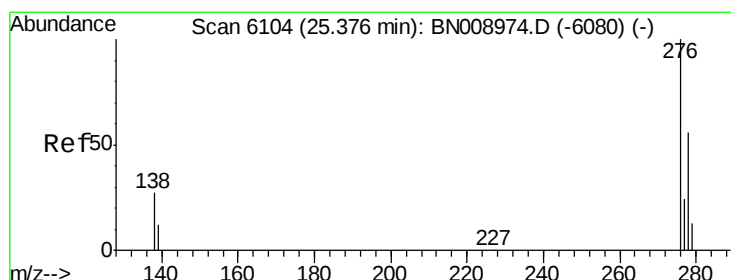
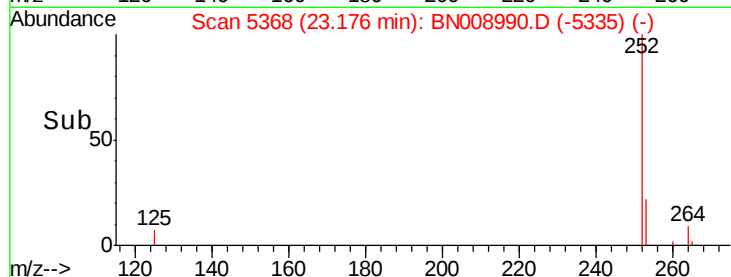
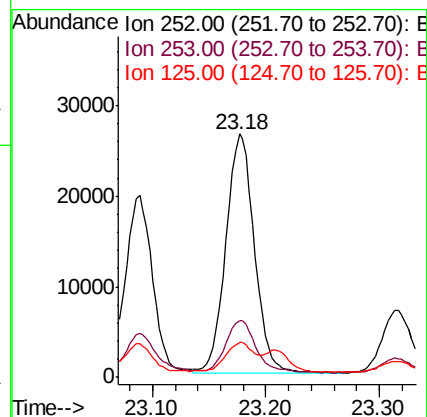
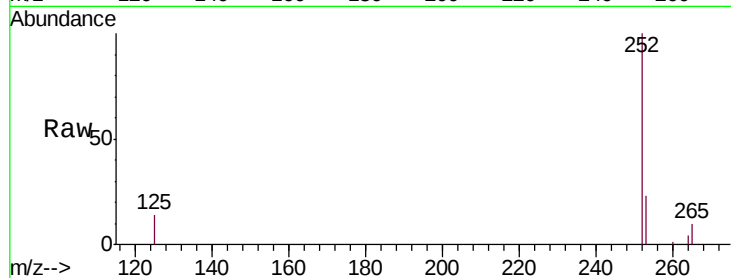
Tgt Ion:252 Resp: 46009

Ion Ratio Lower Upper

252 100

253 23.3 19.9 29.9

125 14.3 14.6 22.0#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.389 ng/u1

RT: 25.38 min Scan# 6104

Delta R.T. -0.00 min

Lab File: BN008990.D

Acq: 14 Dec 2019 05:10

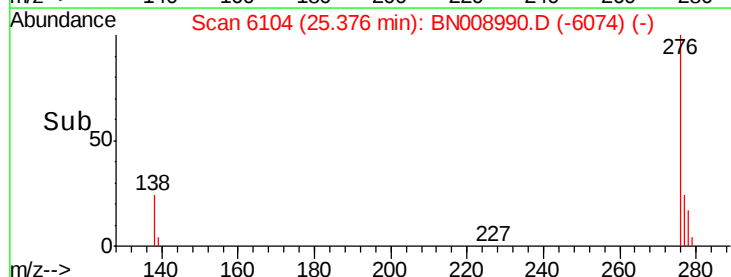
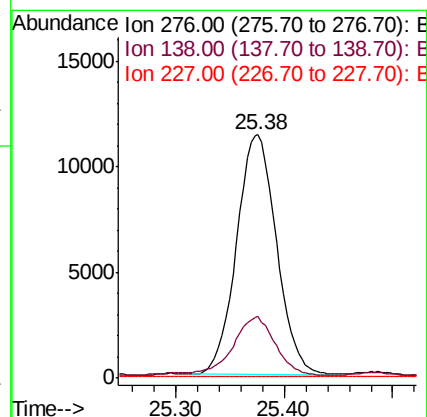
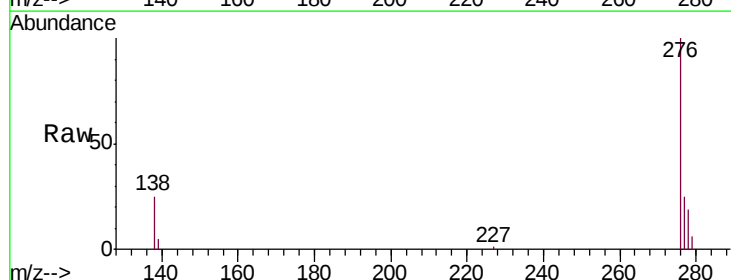
Tgt Ion:276 Resp: 29088

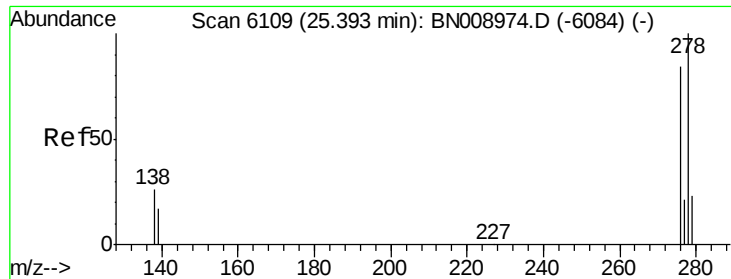
Ion Ratio Lower Upper

276 100

138 25.8 23.8 35.6

227 0.0 0.2 0.2#

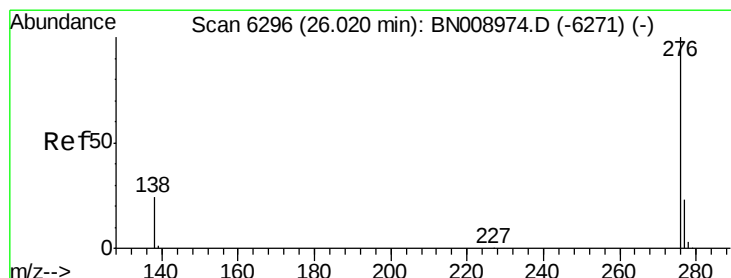
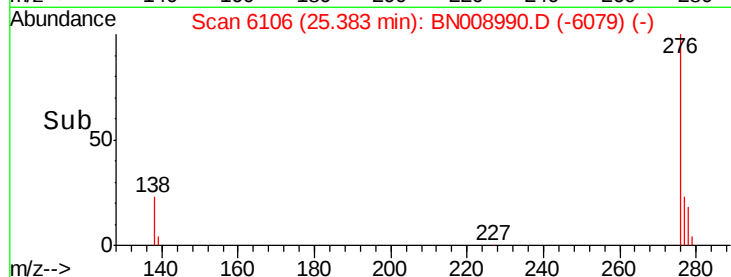
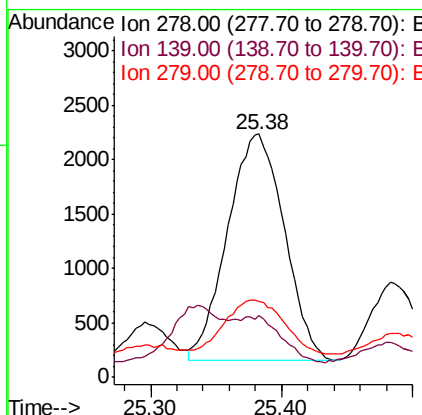
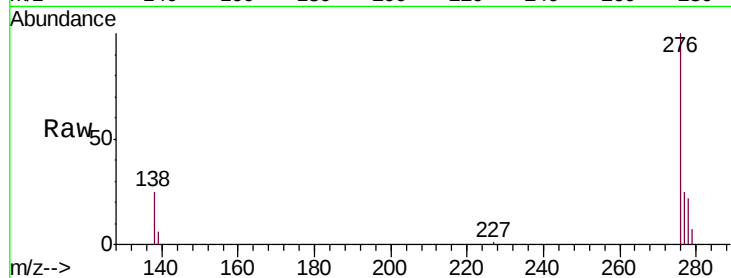




#25
Dibenzo(a,h)anthracene
Concen: 0.104 ng/ul
RT: 25.38 min Scan# 6106
Delta R.T. -0.01 min
Lab File: BN008990.D
Acq: 14 Dec 2019 05:10

Instrument :
BNA_N
ClientSampleId :
A5169DL

Tgt Ion: 278 Resp: 6252
Ion Ratio Lower Upper
278 100
139 25.5 17.4 26.0
279 31.0 20.5 30.7#



#26
Benzo(g,h,i)perylene
Concen: 0.454 ng/ul
RT: 26.01 min Scan# 6294
Delta R.T. -0.01 min
Lab File: BN008990.D
Acq: 14 Dec 2019 05:10

Tgt Ion: 276 Resp: 28390
Ion Ratio Lower Upper
276 100
138 25.5 21.9 32.9
277 24.3 19.9 29.9

