

Data File : BN008978.D
Acq On : 13 Dec 2019 21:58
Operator : JU
Sample : K6089-19DL 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BR5DL

Quant Time: Dec 13 23:25:52 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 : Fri Dec 13 23:22:26 2019
Response via : Initial Calibration

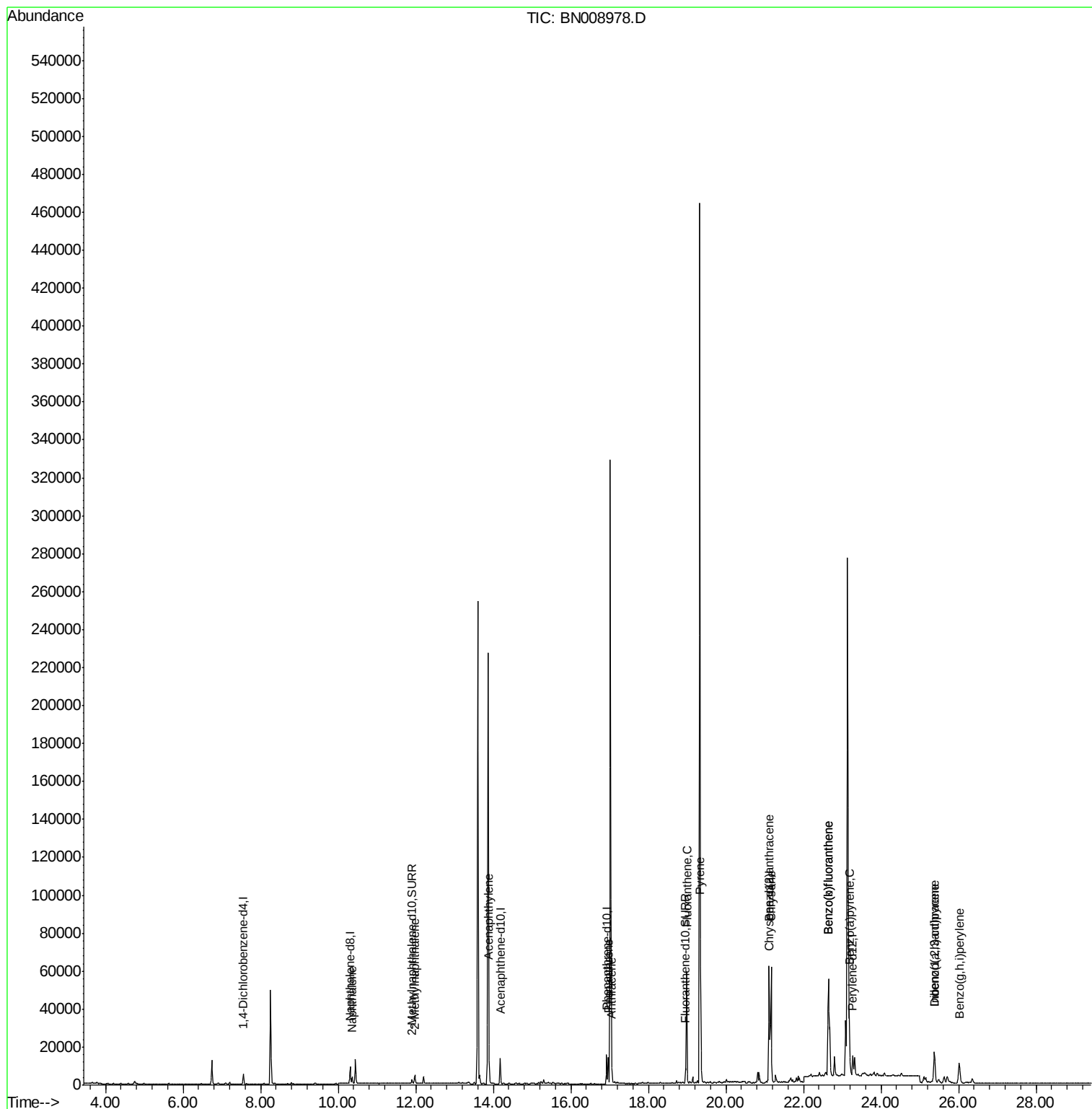
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2485	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11036	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7159	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	16453	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13813	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	11908	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	2626	0.15	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	8069	0.16	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.36	128	4611	0.139	ng/ul	97
5) 2-Methylnaphthalene	11.98	142	3493	0.150	ng/ul	100
7) Acenaphthylene	13.89	152	8942	0.226	ng/ul	98
12) Phenanthrene	16.97	178	13877	0.250	ng/ul	99
13) Anthracene	17.06	178	6118	0.117	ng/ul	97
15) Fluoranthene	18.99	202	46812	0.687	ng/ul	100
17) Pyrene	19.35	202	45833	0.827	ng/ul	99
18) Benzo(a)anthracene	21.11	228	48653	0.876	ng/ul	94
19) Chrysene	21.17	228	60102	1.102	ng/ul	98
21) Benzo(b)fluoranthene	22.64	252	101207	2.061	ng/ul	97
22) Benzo(k)fluoranthene	22.64	252	101207	2.078	ng/ul#	95
23) Benzo(a)pyrene	23.18	252	42075	0.913	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.38	276	23591	0.438	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.39	278	6965	0.160	ng/ul#	88
26) Benzo(g,h,i)perylene	26.02	276	20260	0.449	ng/ul	99

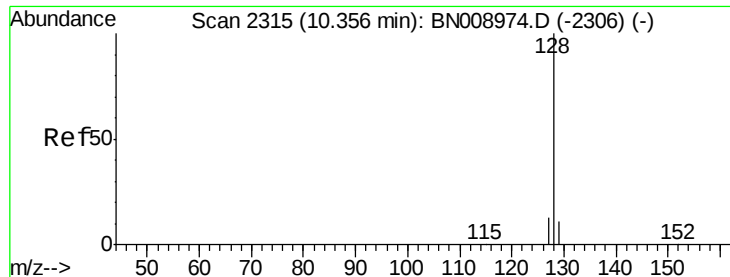
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.139 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. 0.00 min

Lab File: BN008978.D

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Instrument :

BNA_N

ClientSampleId :

C0BR5DL

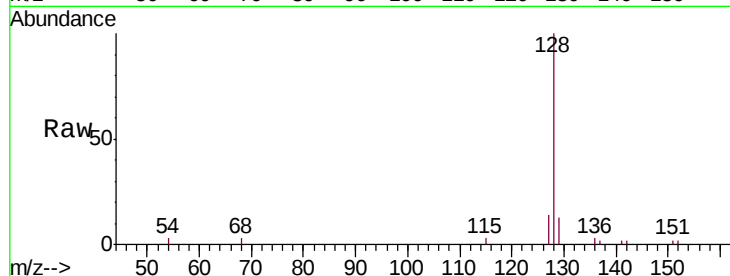
Tgt Ion:128 Resp: 4611

Ion Ratio Lower Upper

128 100

129 12.7 9.1 13.7

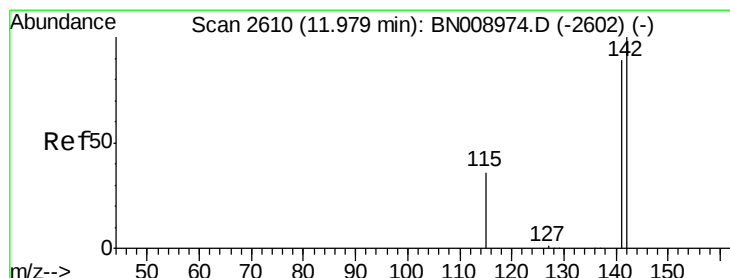
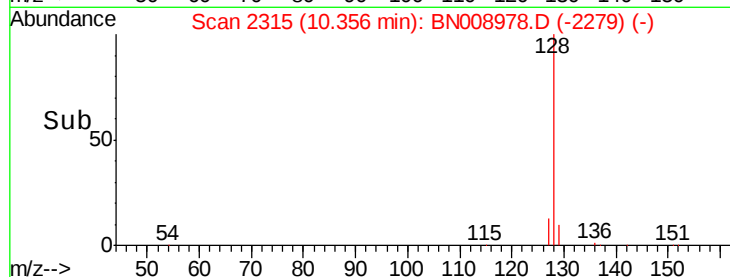
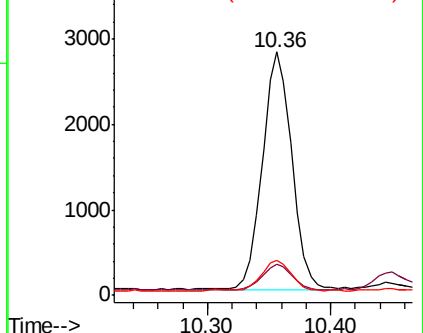
127 14.3 10.7 16.1



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: 0.150 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. 0.00 min

Lab File: BN008978.D

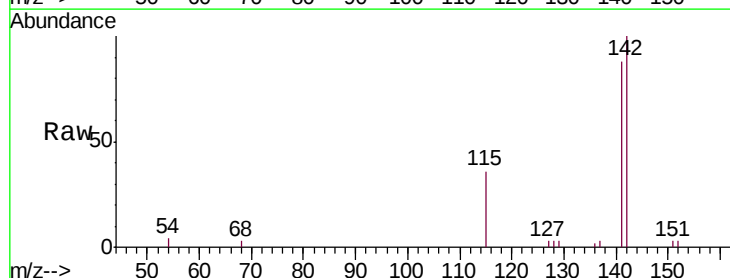
Acq: 13 Dec 2019 21:58

Tgt Ion:142 Resp: 3493

Ion Ratio Lower Upper

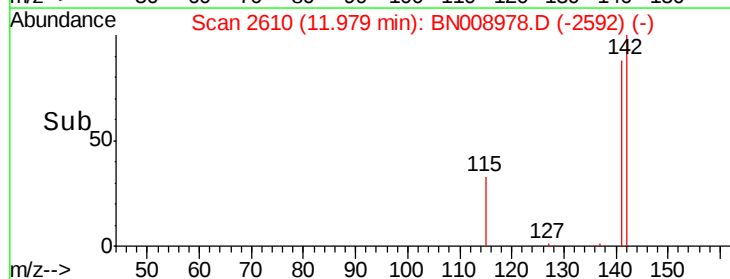
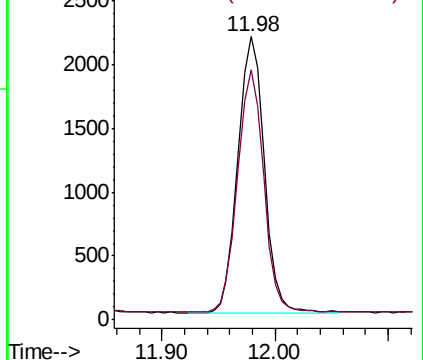
142 100

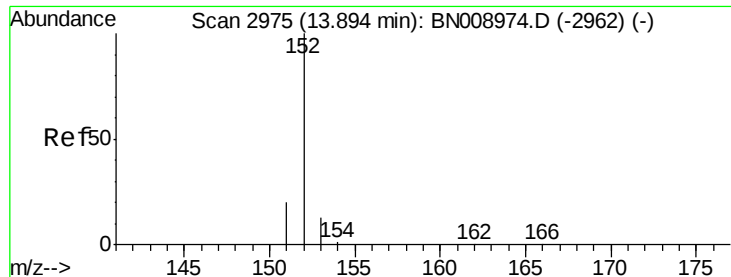
141 87.7 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.226 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

Instrument :

BNA_N

ClientSampleId :

C0BR5DL

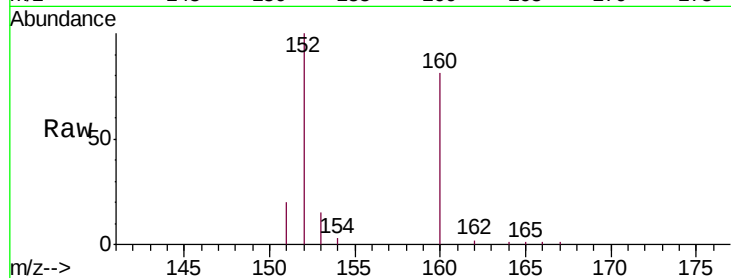
Tgt Ion:152 Resp: 8942

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.6

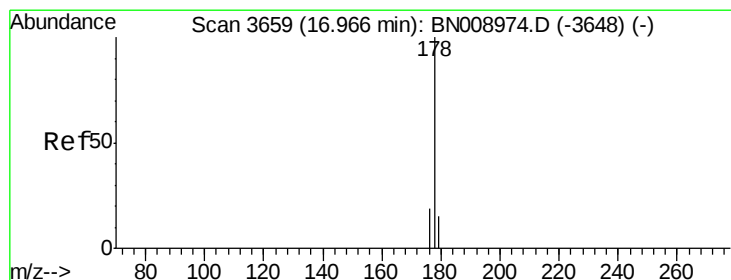
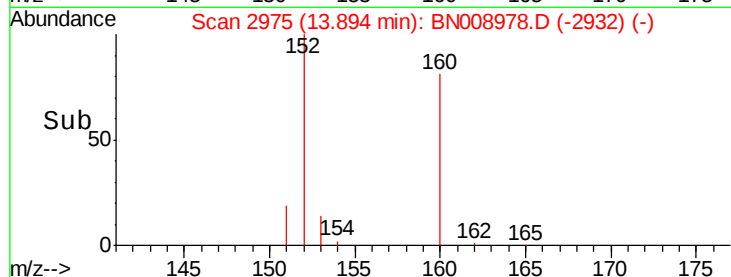
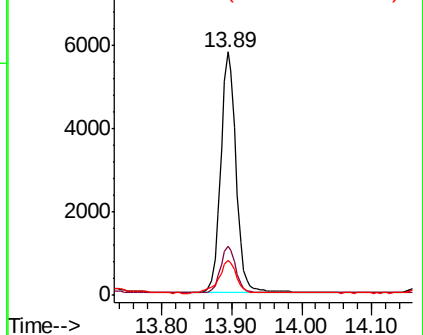
153 14.5 10.6 15.8



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



#12

Phenanthrene

Concen: 0.250 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. 0.00 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

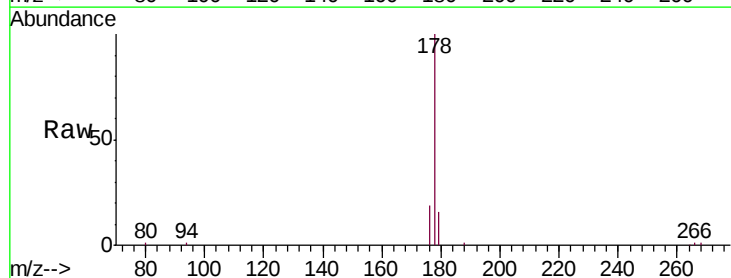
Tgt Ion:178 Resp: 13877

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

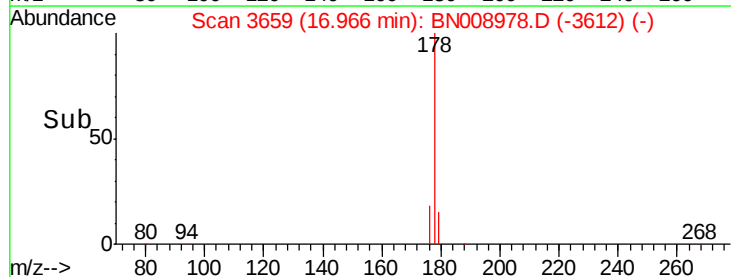
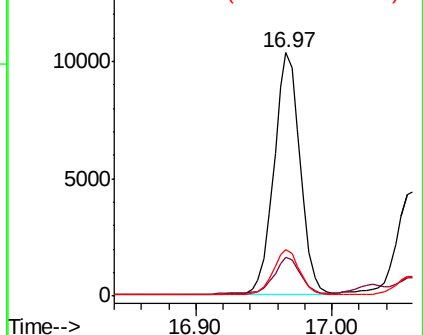
176 18.9 15.3 22.9

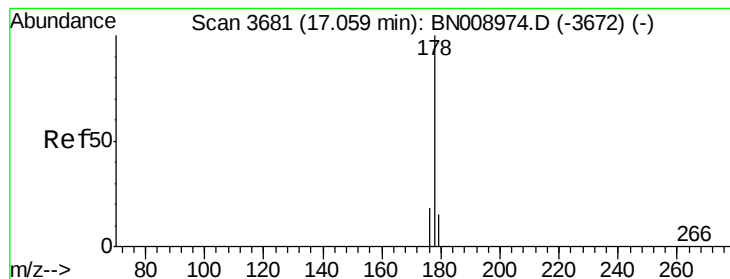


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.117 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

Instrument :

BNA_N

ClientSampleId :

C0BR5DL

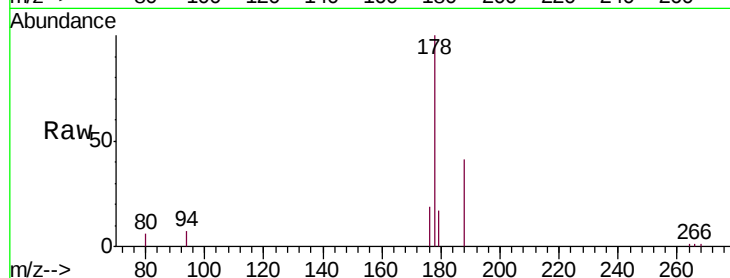
Tgt Ion:178 Resp: 6118

Ion Ratio Lower Upper

178 100

179 17.4 12.2 18.4

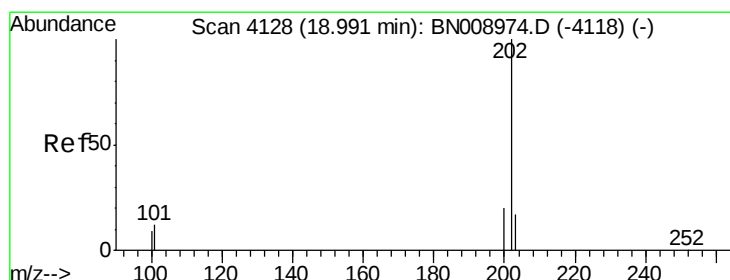
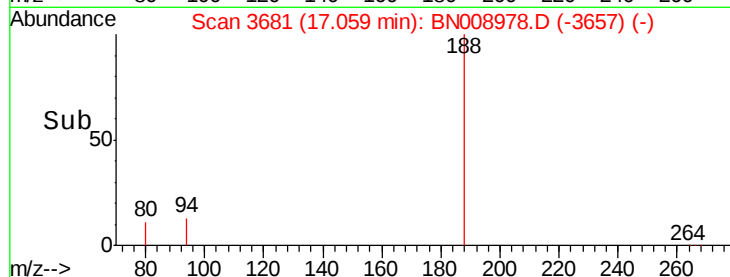
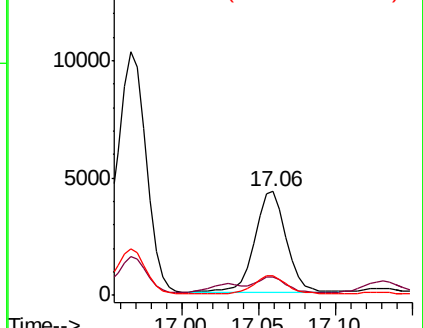
176 19.1 14.7 22.1



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: 0.687 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. 0.00 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

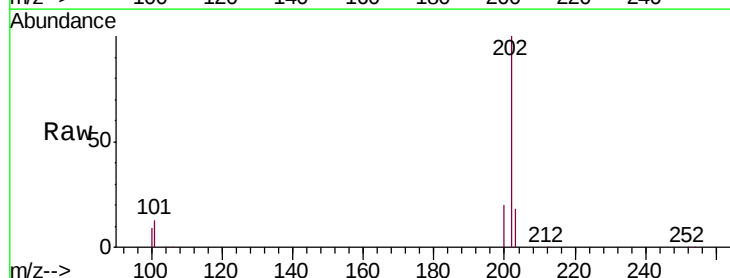
Tgt Ion:202 Resp: 46812

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.4

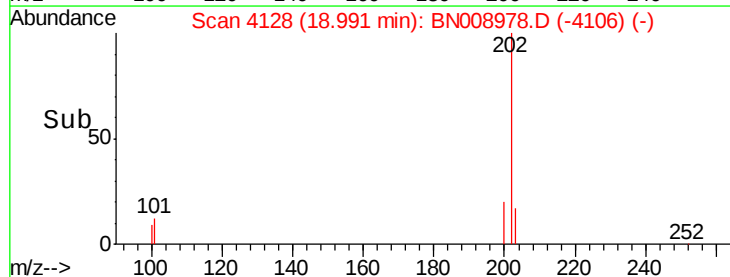
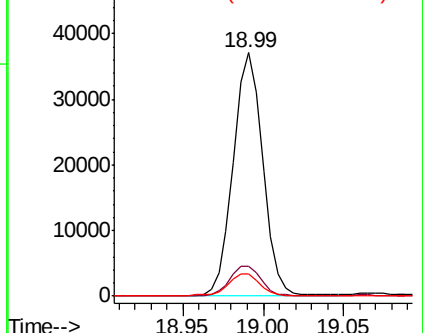
100 9.3 0.0 29.2

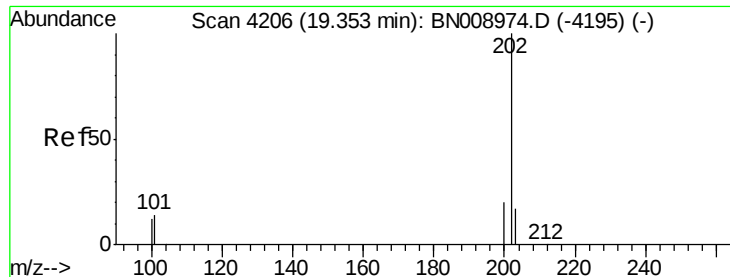


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pyrene

Concen: 0.827 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. 0.00 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

Instrument :

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C0BR5DL

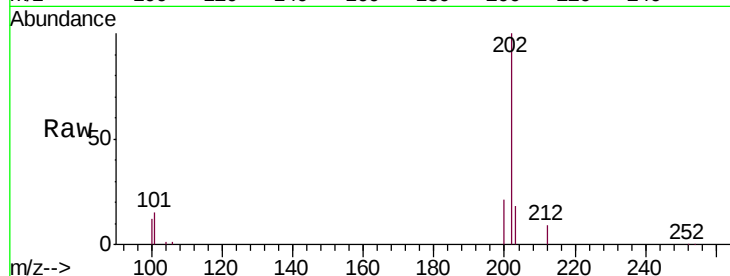
Tgt Ion:202 Resp: 45833

Ion Ratio Lower Upper

202 100

101 14.6 12.2 18.4

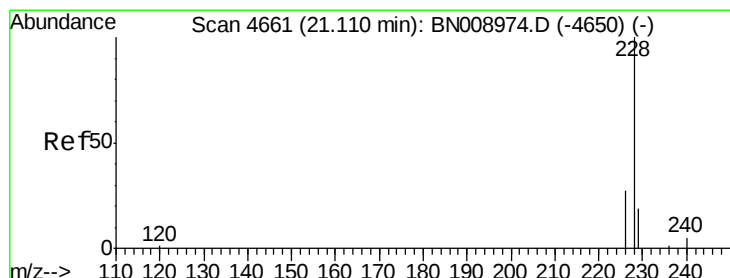
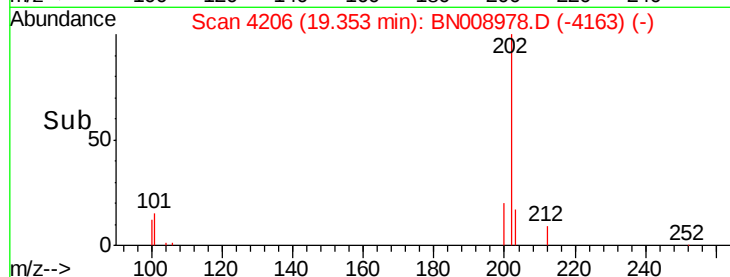
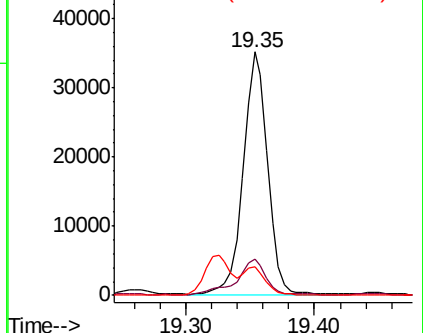
100 11.9 9.5 14.3



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: 0.876 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. 0.00 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

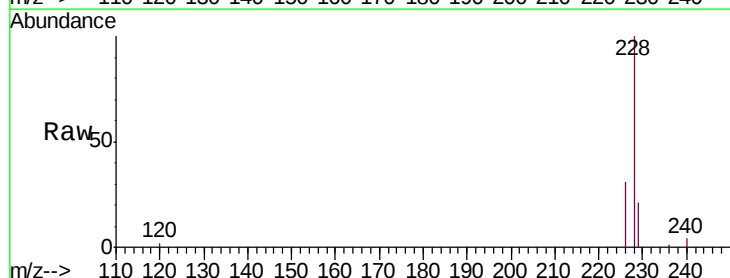
Tgt Ion:228 Resp: 48653

Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

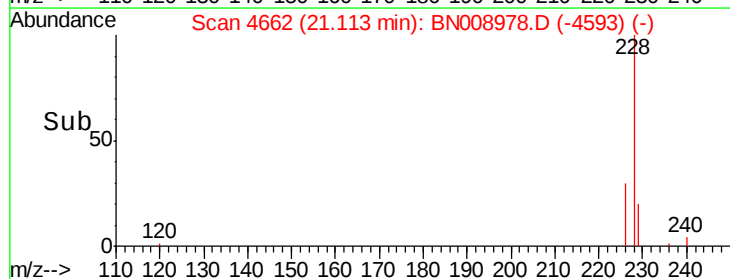
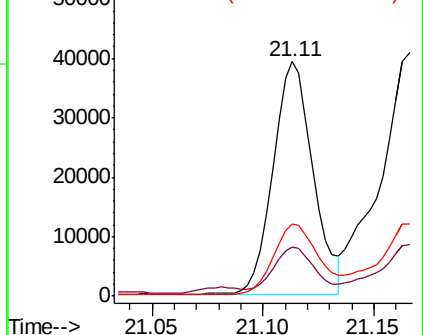
226 30.8 21.5 32.3

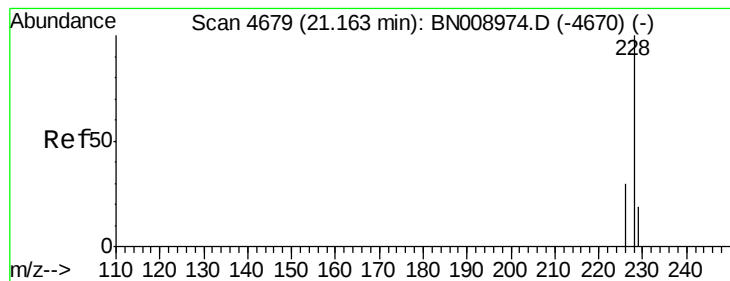


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.102 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. 0.00 min

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Instrument :

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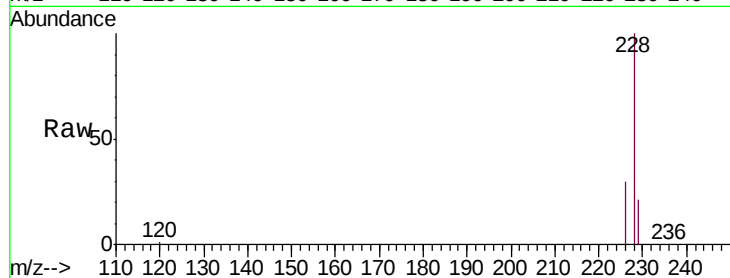
Tgt Ion:228 Resp: 60102

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

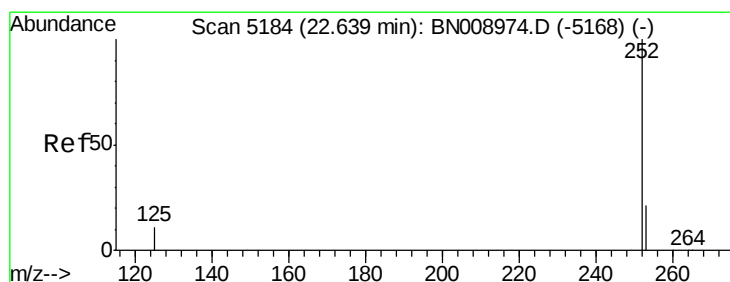
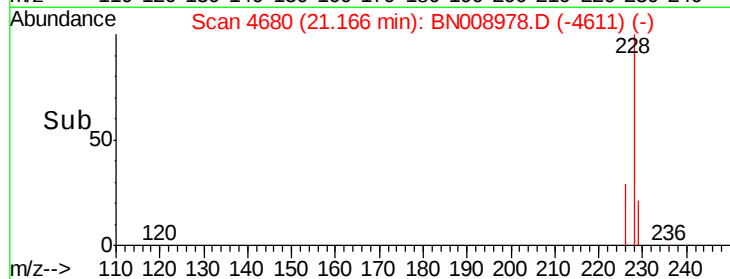
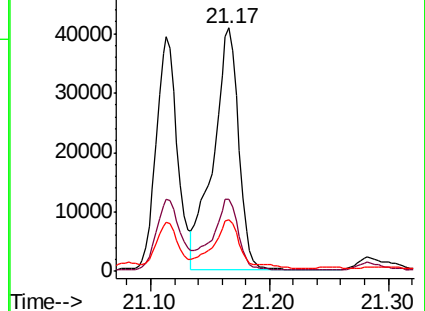
229 21.5 15.6 23.4



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: 2.061 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. 0.01 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

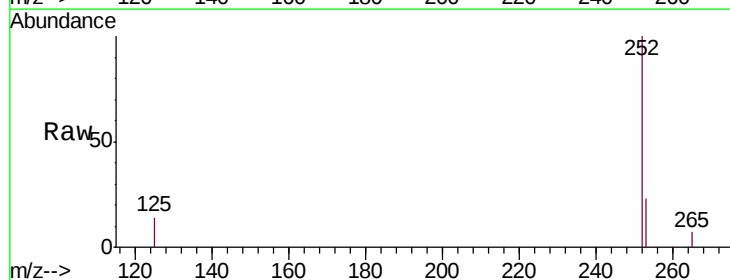
Tgt Ion:252 Resp: 101207

Ion Ratio Lower Upper

252 100

253 23.2 0.0 48.6

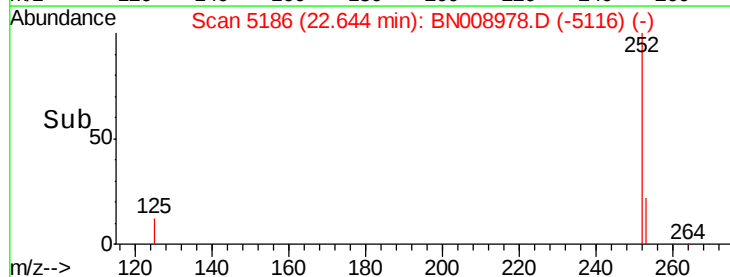
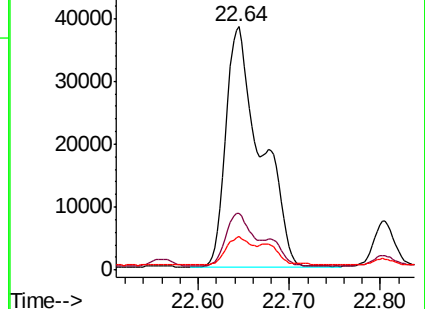
125 13.6 0.0 31.6

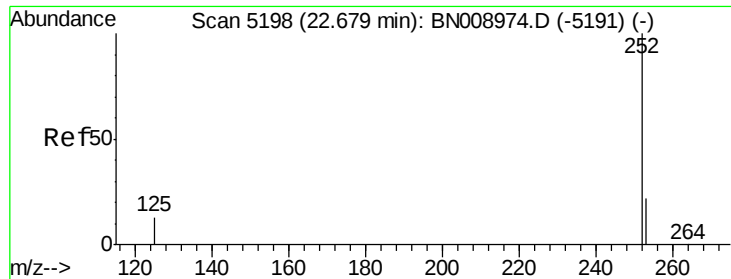


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.078 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. -0.04 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

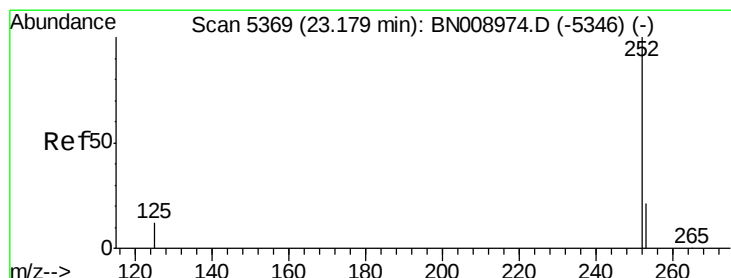
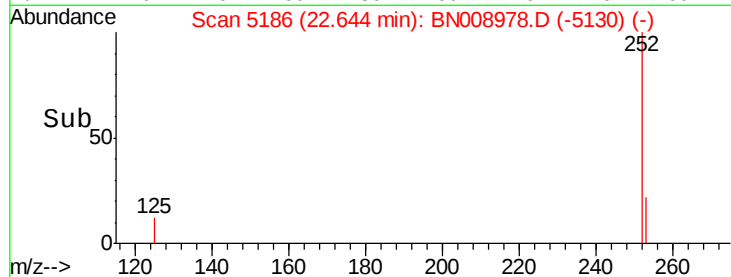
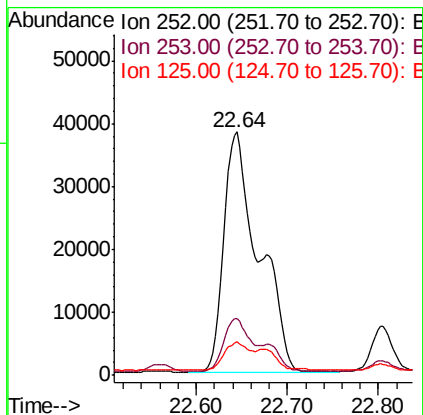
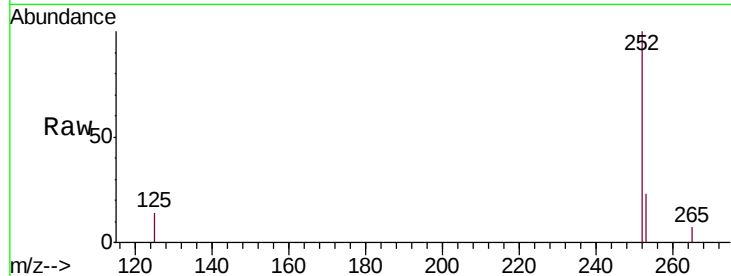
Instrument :

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Tgt Ion:	252	Resp:	101207
Ion Ratio	Lower	Upper	
252	100		
253	23.2	19.6	29.4
125	13.6	13.8	20.6#



#23

Benzo(a)pyrene

Concen: 0.913 ng/ul

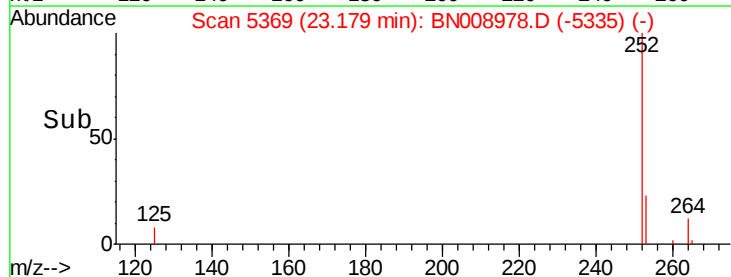
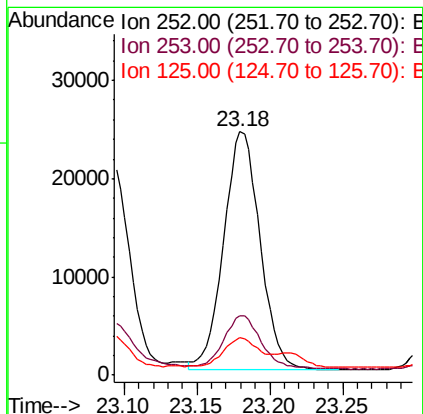
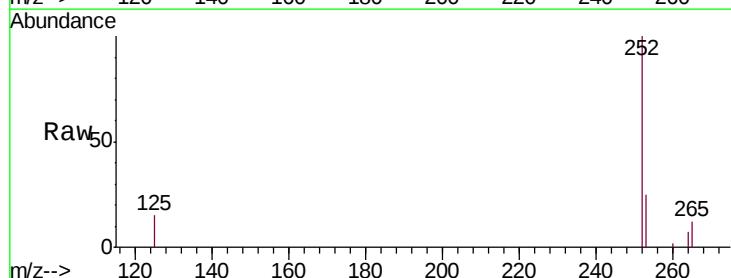
RT: 23.18 min Scan# 5369

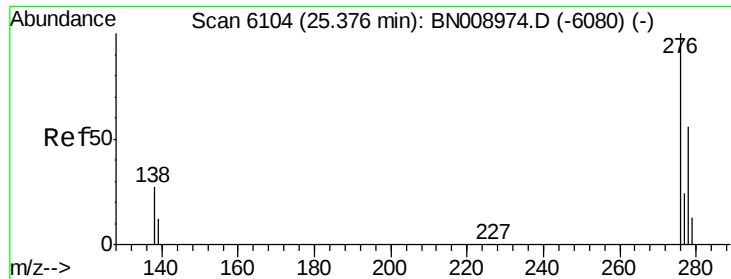
Delta R.T. 0.00 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

Tgt Ion:	252	Resp:	42075
Ion Ratio	Lower	Upper	
252	100		
253	24.5	19.9	29.9
125	15.3	14.6	22.0





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.438 ng/u1

RT: 25.38 min Scan# 6105

Delta R.T. 0.00 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

Instrument :

BNA_N

ClientSampleId :

C0BR5DL

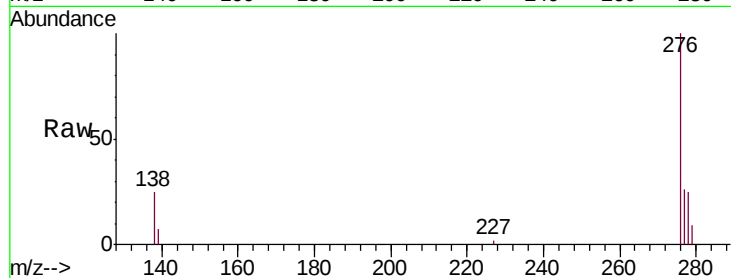
Tgt Ion:276 Resp: 23591

Ion Ratio Lower Upper

276 100

138 25.3 23.8 35.6

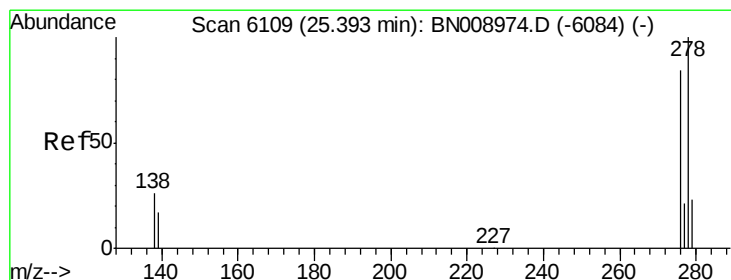
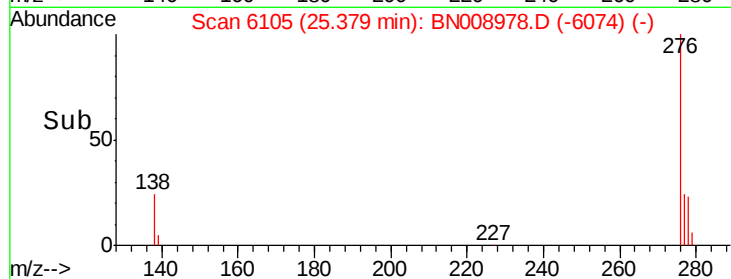
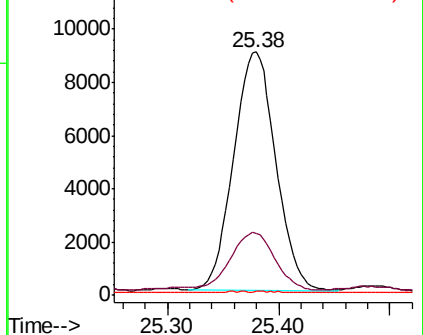
227 0.0 0.2 0.2#



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: 0.160 ng/u1

RT: 25.39 min Scan# 6107

Delta R.T. -0.01 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

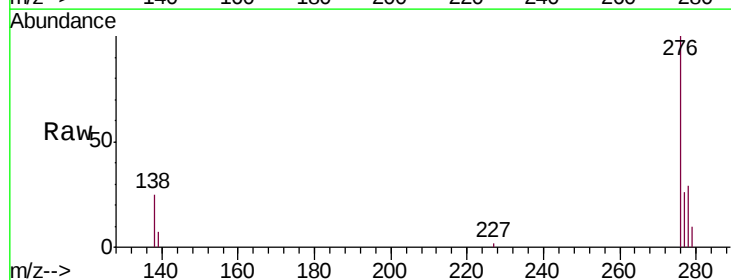
Tgt Ion:278 Resp: 6965

Ion Ratio Lower Upper

278 100

139 25.0 17.4 26.0

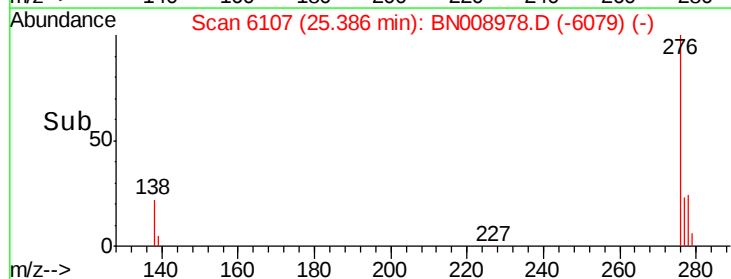
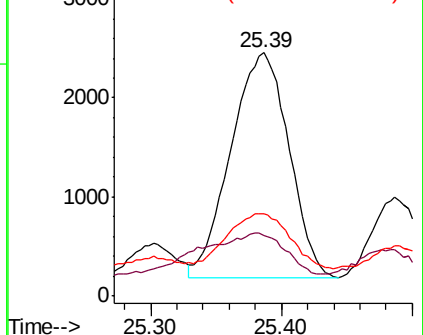
279 33.6 20.5 30.7#

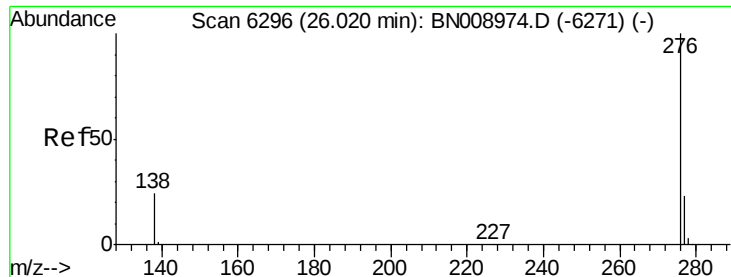


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.449 ng/ul

RT: 26.02 min Scan# 6296

Delta R.T. 0.00 min

Lab File: BN008978.D

Acq: 13 Dec 2019 21:58

Instrument :

BNA_N

ClientSampleId :

C0BR5DL

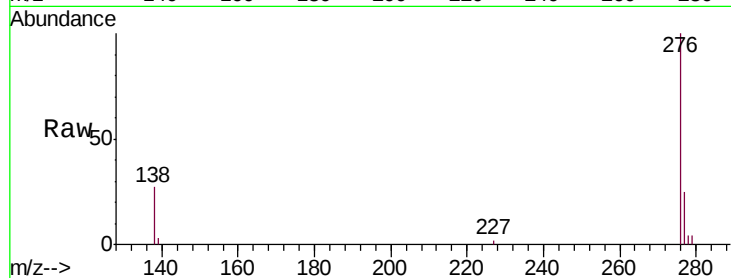
Tgt Ion: 276 Resp: 20260

Ion Ratio Lower Upper

276 100

138 26.5 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

