

Data File : BN009079.D
Acq On : 20 Dec 2019 22:14
Operator : JU
Sample : K6171-18DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BZ8DL

Quant Time: Dec 20 23:33:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN121619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 20 23:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3934	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	14703	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	7756	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	14544	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	8278	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	8128	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	696	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.94	212	1180	0.03	ng/ul	0.00

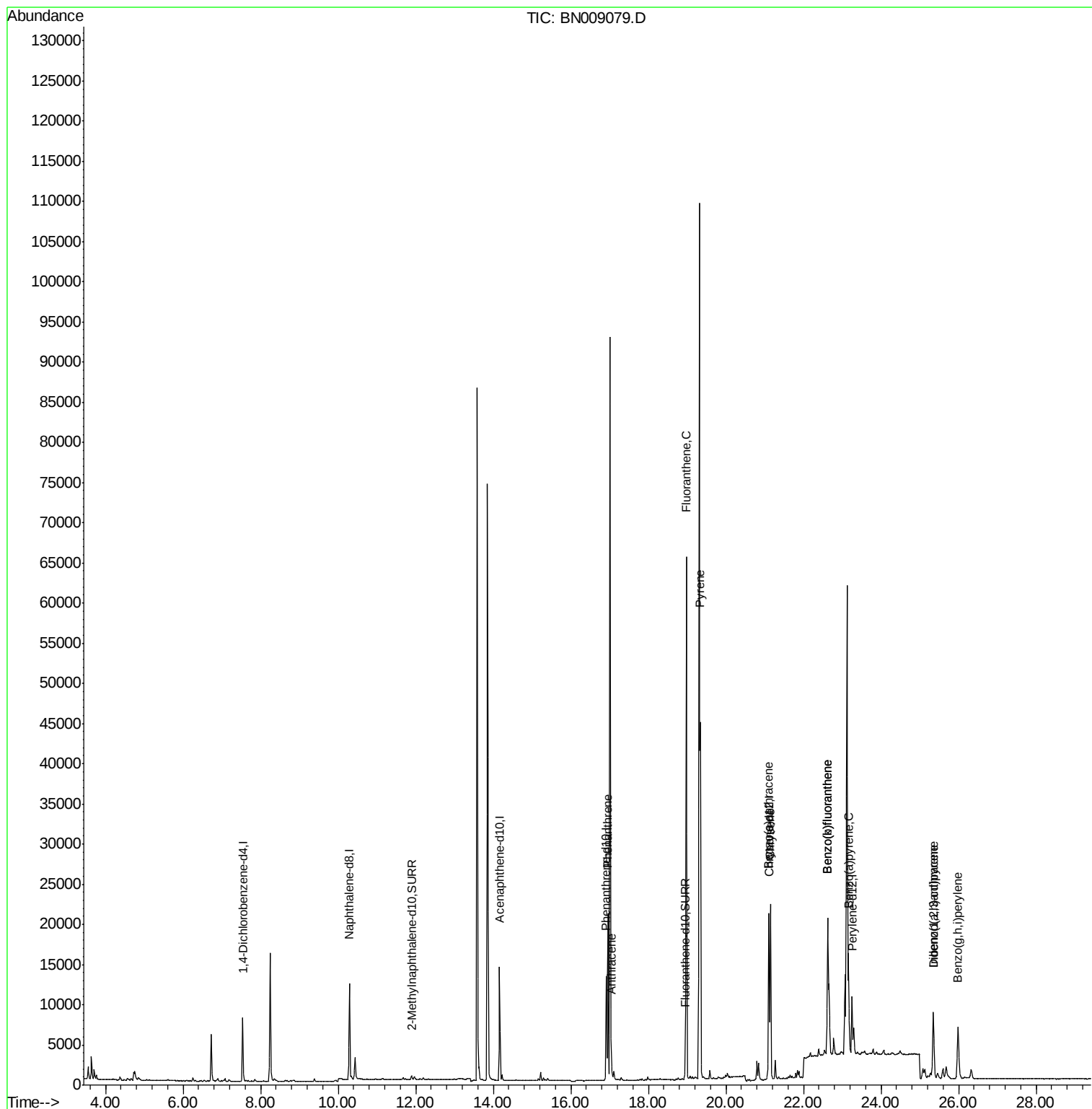
Target Compounds				Qvalue		
12) Phenanthrene	16.95	178	21505	0.425	ng/ul	100
13) Anthracene	17.04	178	2397	0.053	ng/ul#	93
15) Fluoranthene	18.98	202	54693	0.946	ng/ul	100
17) Pyrene	19.34	202	43755	1.036	ng/ul	99
18) Benzo(a)anthracene	21.10	228	16017	0.436	ng/ul	98
19) Chrysene	21.15	228	20890	0.565	ng/ul	97
21) Benzo(b)fluoranthene	22.62	252	34750	0.916	ng/ul	98
22) Benzo(k)fluoranthene	22.62	252	34750	0.908	ng/ul	99
23) Benzo(a)pyrene	23.16	252	15348	0.461	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.35	276	11947	0.330	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.35	278	2685	0.093	ng/ul#	71
26) Benzo(g,h,i)perylene	25.98	276	12015	0.394	ng/ul	98

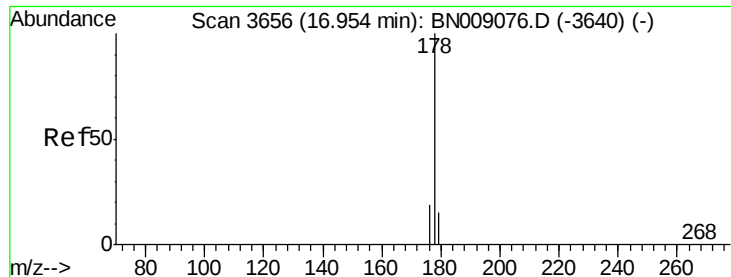
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

Phenanthrene

Concen: 0.425 ng/ul

RT: 16.95 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN009079.D

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Instrument :

BNA_N

ClientSampleId :

C0BZ8DL

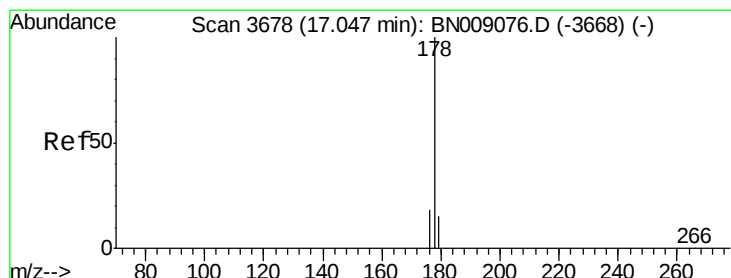
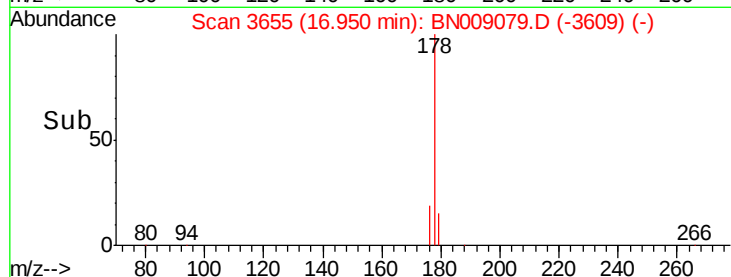
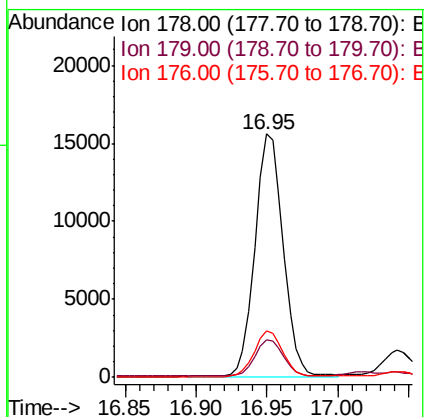
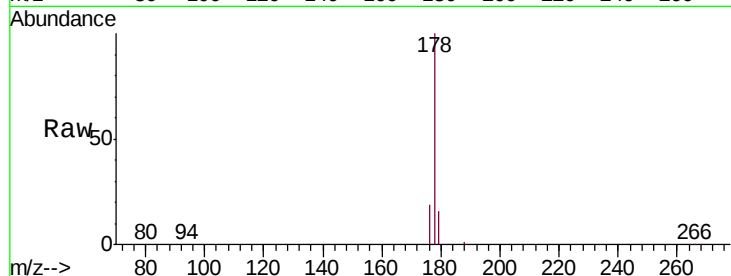
Tgt Ion:178 Resp: 21505

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

176 19.1 15.1 22.7



#13

Anthracene

Concen: 0.053 ng/ul

RT: 17.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

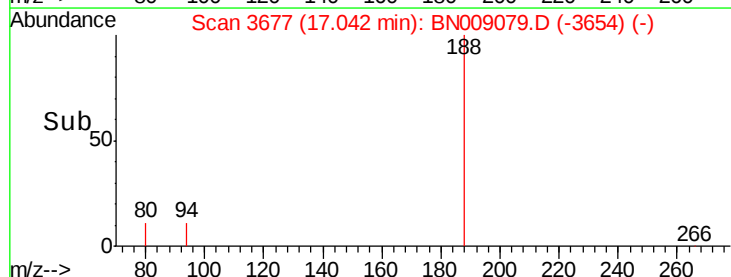
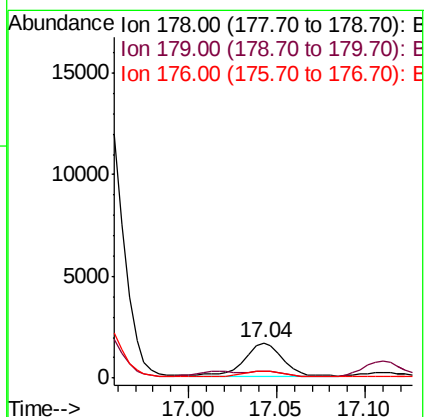
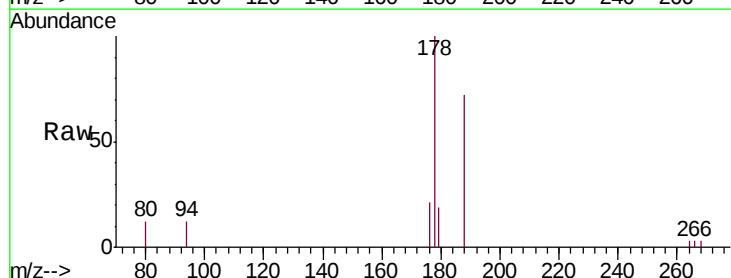
Tgt Ion:178 Resp: 2397

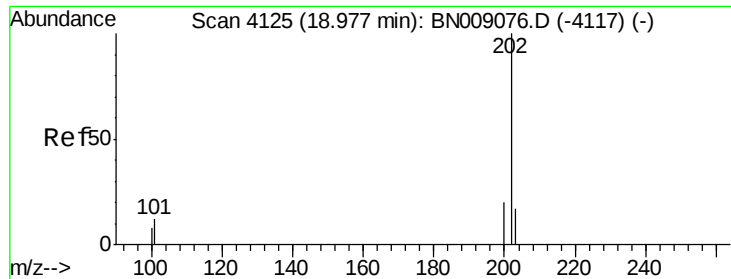
Ion Ratio Lower Upper

178 100

179 19.3 12.5 18.7#

176 20.8 14.9 22.3





#15

Fluoranthene

Concen: 0.946 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. 0.00 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

Instrument :

BNA_N

ClientSampleId :

C0BZ8DL

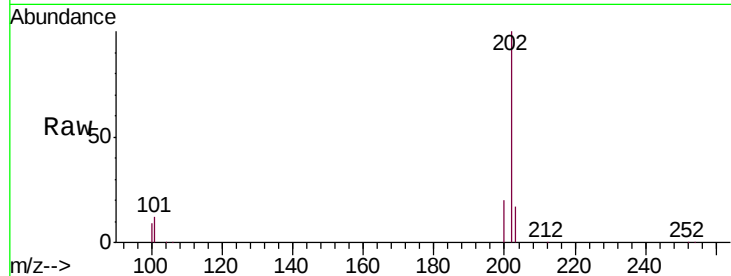
Tgt Ion:202 Resp: 54693

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.5

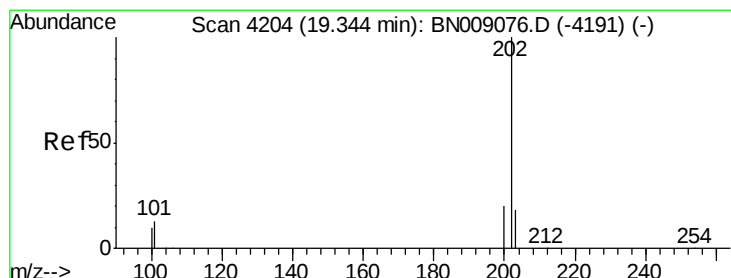
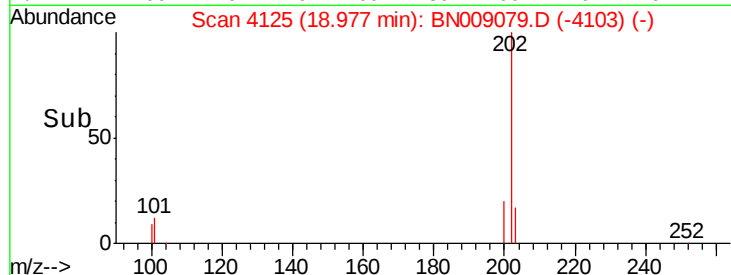
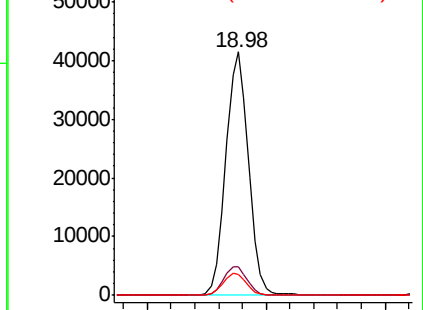
100 8.8 0.0 28.9



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: 1.036 ng/ul

RT: 19.34 min Scan# 4203

Delta R.T. -0.00 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

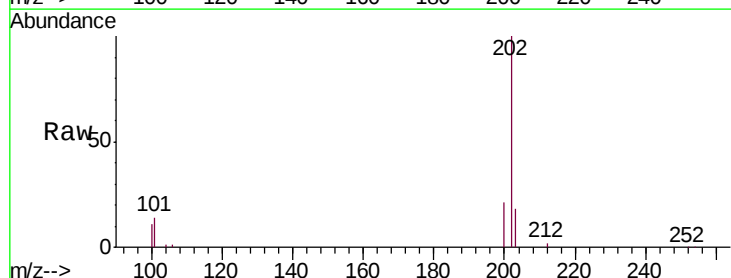
Tgt Ion:202 Resp: 43755

Ion Ratio Lower Upper

202 100

101 14.1 10.9 16.3

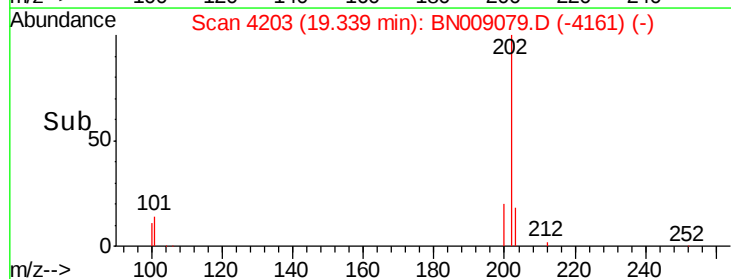
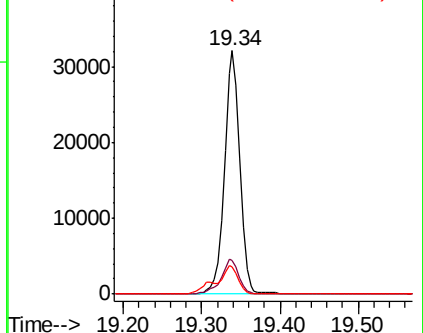
100 11.3 9.0 13.6

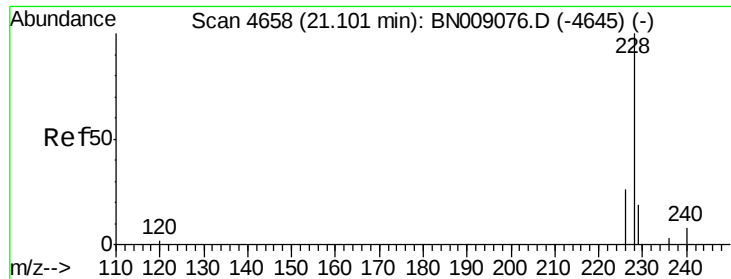


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.436 ng/ul

RT: 21.10 min Scan# 4657

Delta R.T. -0.00 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

Instrument :

BNA_N

ClientSampleId :

C0BZ8DL

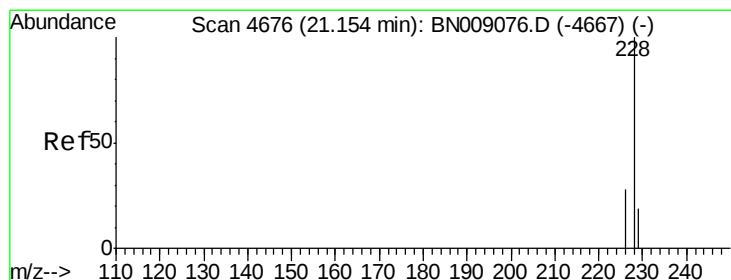
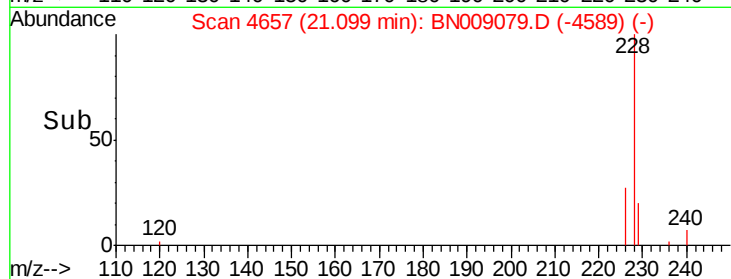
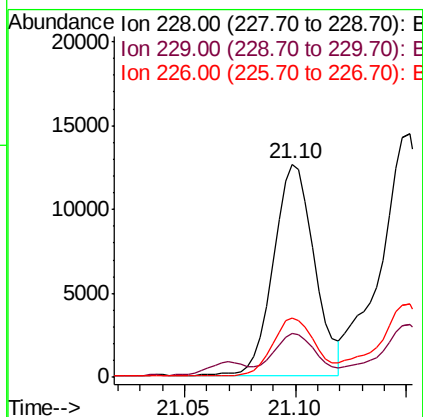
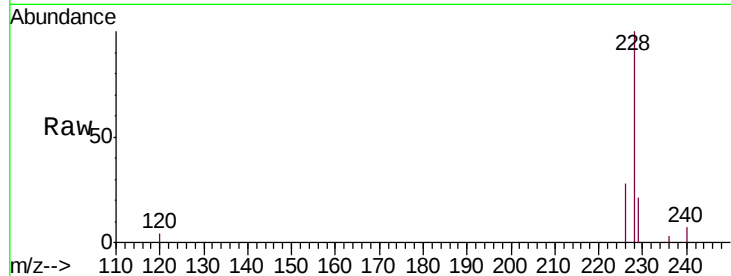
Tgt Ion:228 Resp: 16017

Ion Ratio Lower Upper

228 100

229 20.6 15.5 23.3

226 27.8 21.7 32.5



#19

Chrysene

Concen: 0.565 ng/ul

RT: 21.15 min Scan# 4675

Delta R.T. -0.00 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

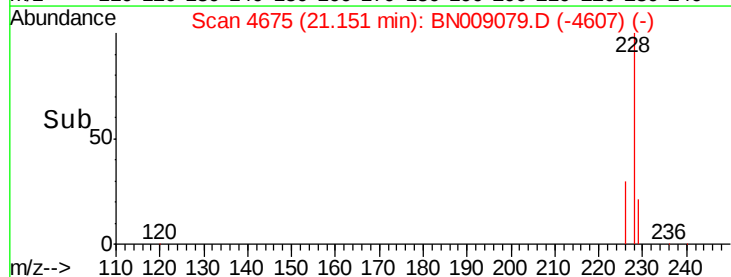
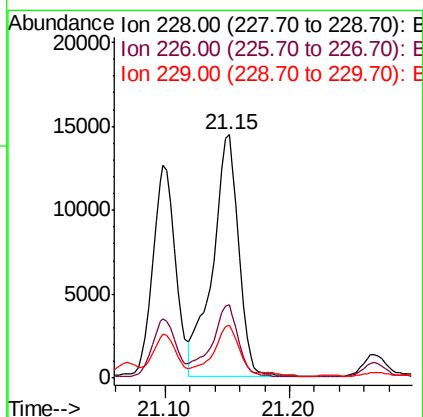
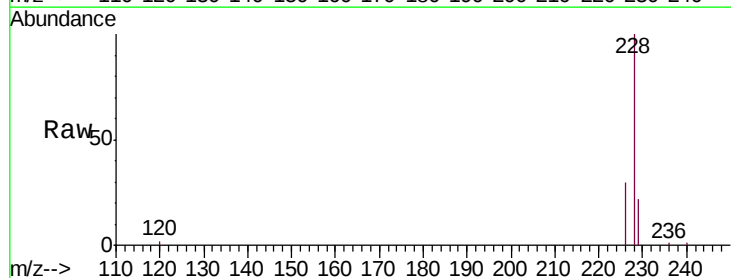
Tgt Ion:228 Resp: 20890

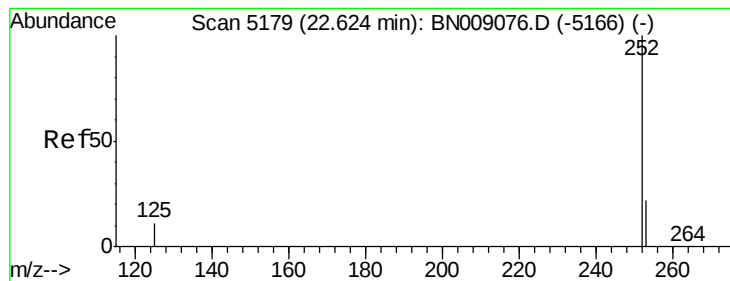
Ion Ratio Lower Upper

228 100

226 29.9 23.7 35.5

229 21.8 15.4 23.0





#21

Benzo(b)fluoranthene

Concen: 0.916 ng/ul

RT: 22.62 min Scan# 5178

Delta R.T. -0.00 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

Instrument :

BNA_N

ClientSampleId :

C0BZ8DL

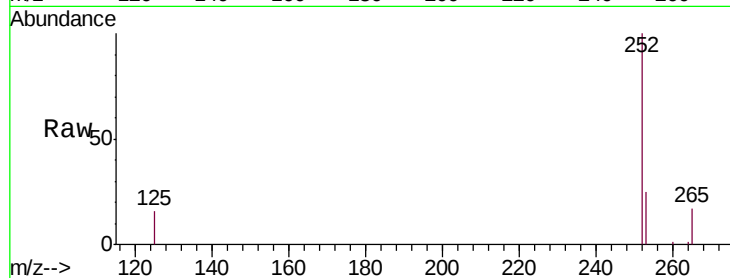
Tgt Ion:252 Resp: 34750

Ion Ratio Lower Upper

252 100

253 25.1 0.0 48.2

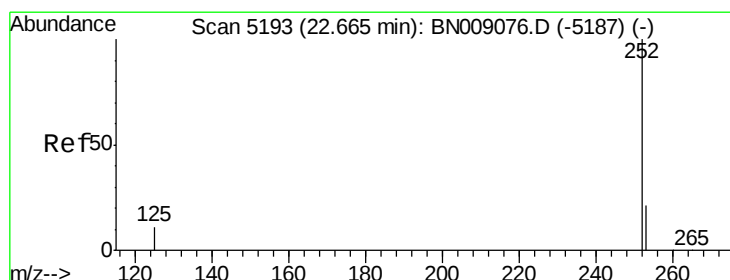
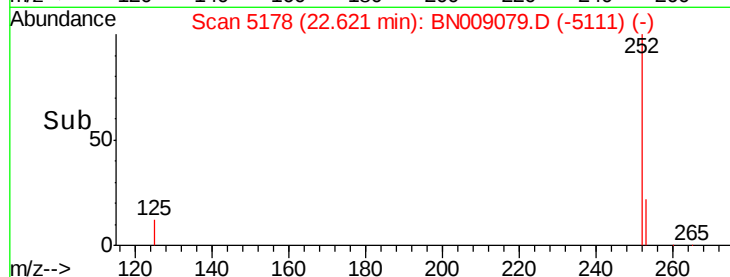
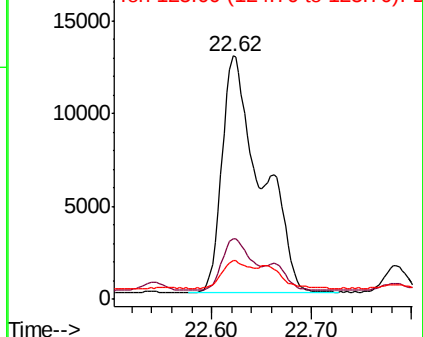
125 15.7 0.0 30.0



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



#22

Benzo(k)fluoranthene

Concen: 0.908 ng/ul

RT: 22.62 min Scan# 5178

Delta R.T. -0.04 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

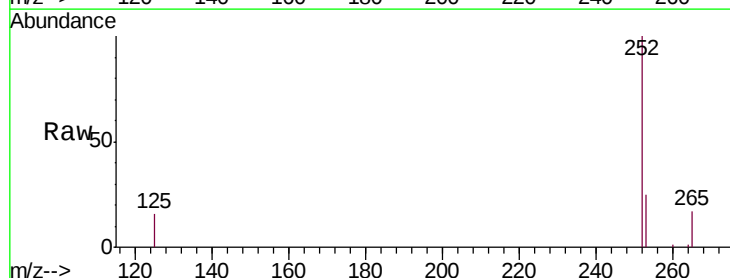
Tgt Ion:252 Resp: 34750

Ion Ratio Lower Upper

252 100

253 25.1 19.4 29.0

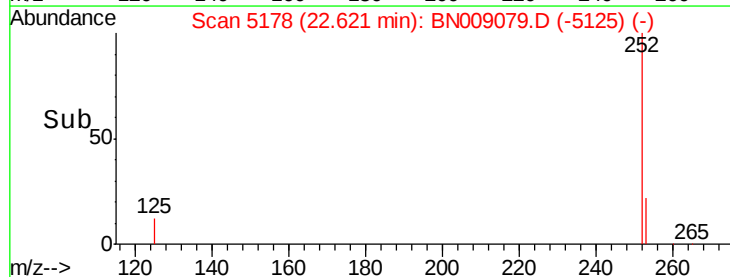
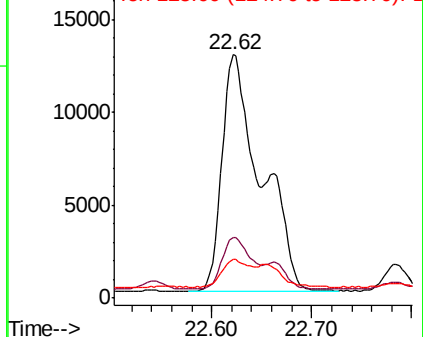
125 15.7 12.4 18.6

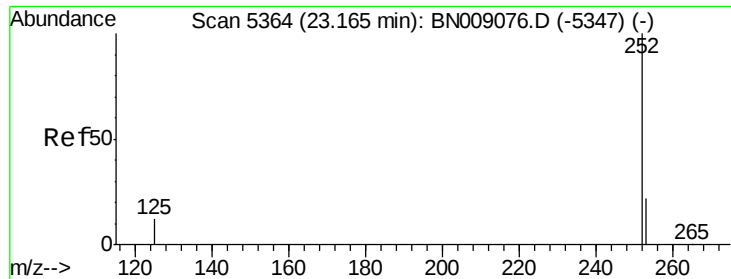


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.461 ng/u1

RT: 23.16 min Scan# 5362

Delta R.T. -0.01 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

Instrument :

BNA_N

ClientSampleId :

C0BZ8DL

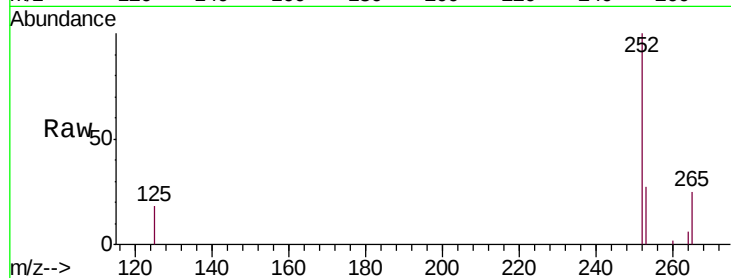
Tgt Ion:252 Resp: 15348

Ion Ratio Lower Upper

252 100

253 26.6 20.2 30.4

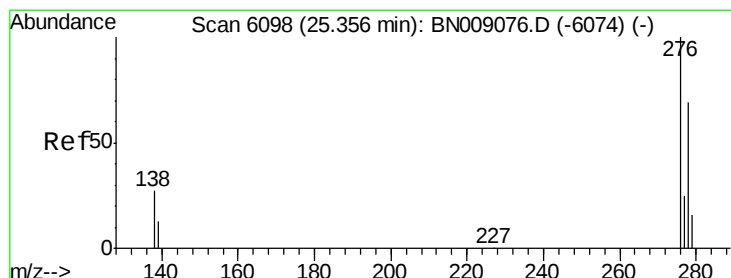
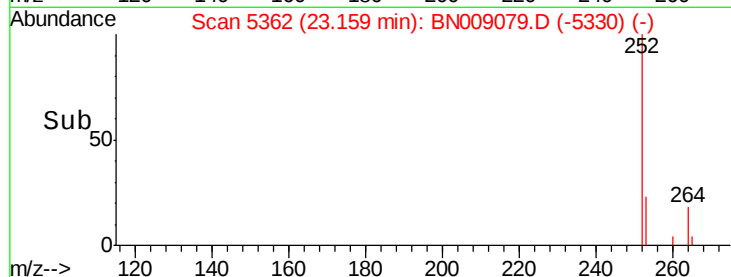
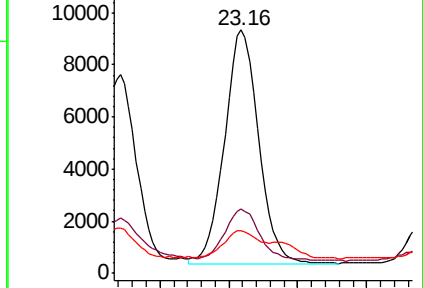
125 17.5 13.2 19.8



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: 0.330 ng/u1

RT: 25.35 min Scan# 6096

Delta R.T. -0.01 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

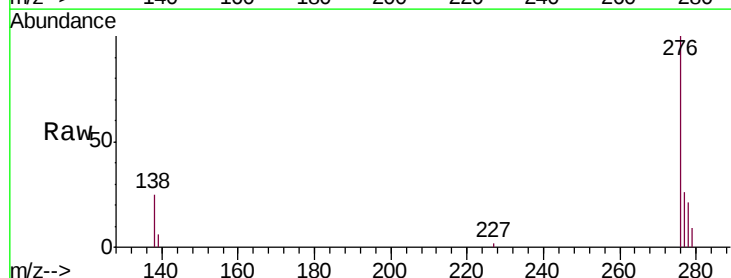
Tgt Ion:276 Resp: 11947

Ion Ratio Lower Upper

276 100

138 23.7 22.4 33.6

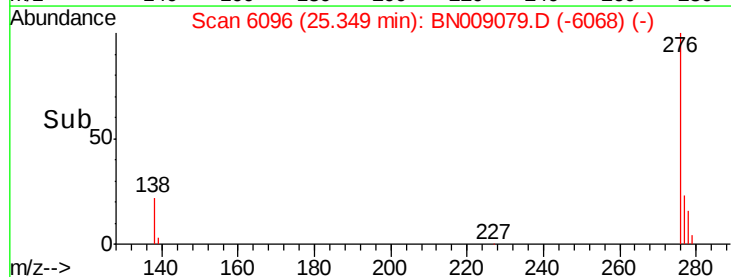
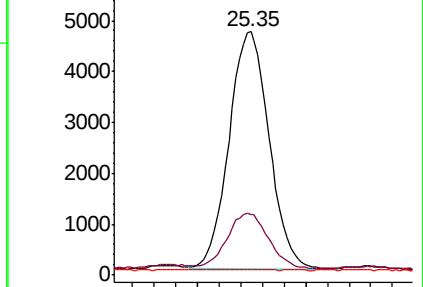
227 0.1 0.2 0.4#

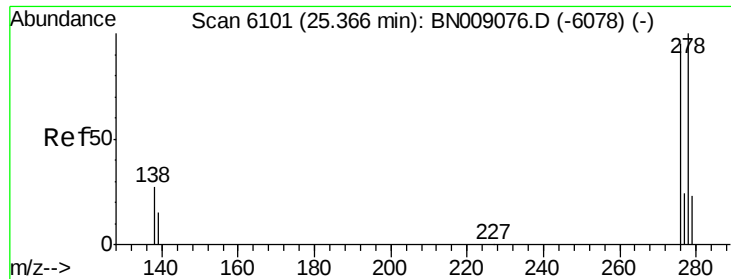


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.093 ng/u1

RT: 25.35 min Scan# 6096

Delta R.T. -0.02 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

Instrument :

BNA_N

ClientSampleId :

C0BZ8DL

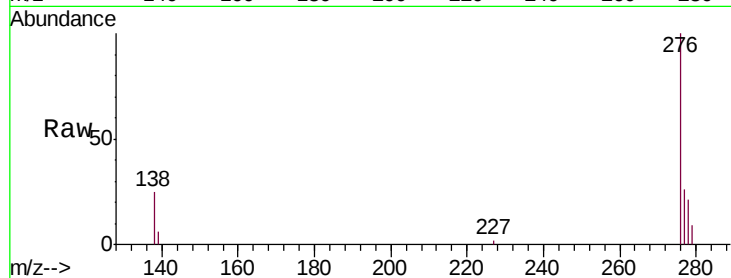
Tgt Ion:278 Resp: 2685

Ion Ratio Lower Upper

278 100

139 30.3 16.2 24.2#

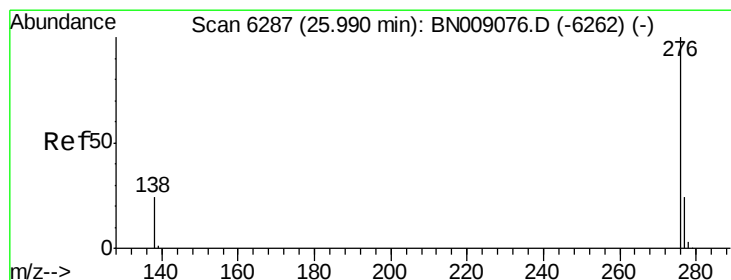
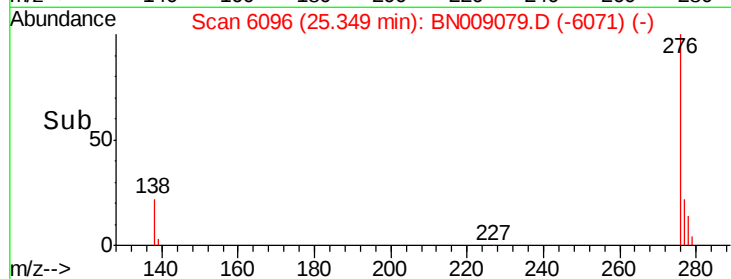
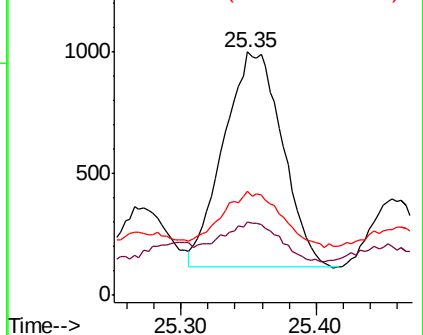
279 42.5 20.3 30.5#



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: 0.394 ng/u1

RT: 25.98 min Scan# 6285

Delta R.T. -0.01 min

Lab File: BN009079.D

Acq: 20 Dec 2019 22:14

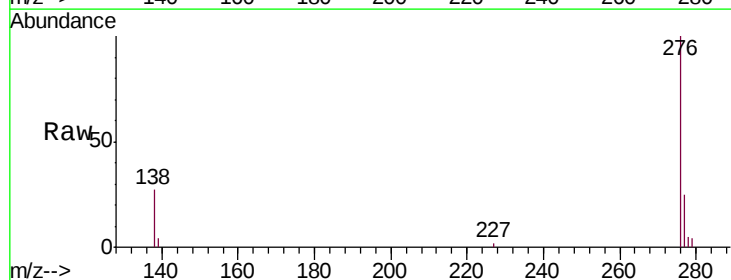
Tgt Ion:276 Resp: 12015

Ion Ratio Lower Upper

276 100

138 26.5 20.6 30.8

277 25.2 19.6 29.4



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

