

Data File : BN009077.D
Acq On : 20 Dec 2019 21:03
Operator : JU
Sample : K6171-08DL 10X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BT0DL

Quant Time: Dec 20 23:33:21 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	4027	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	15068	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.16	164	7853	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	14452	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	8039	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	8110	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	422	0.02	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	688	0.02	ng/ul	0.00

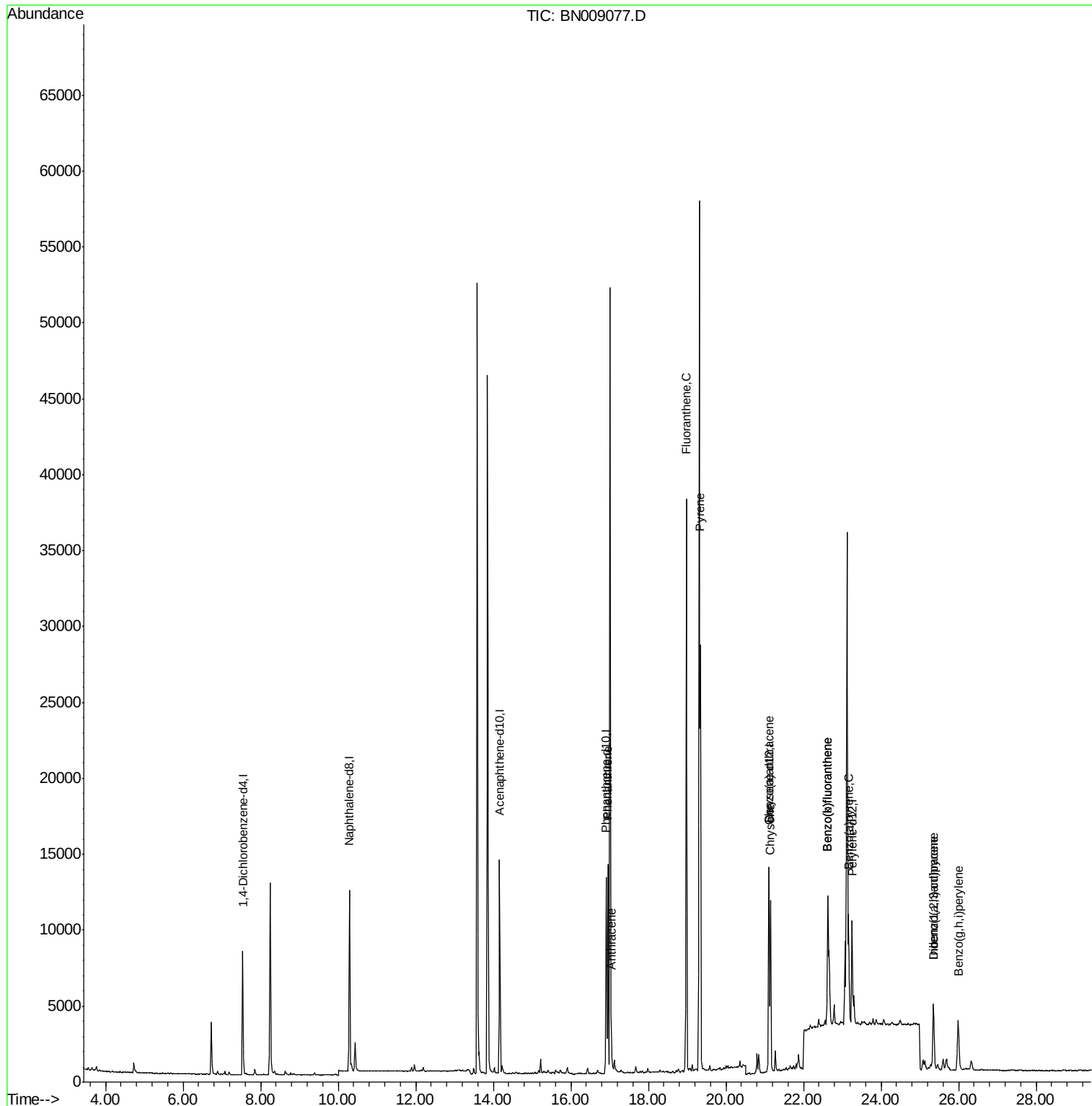
Target Compounds				Qvalue		
12) Phenanthrene	16.95	178	14129	0.281	ng/ul	100
13) Anthracene	17.04	178	2213	0.049	ng/ul#	90
15) Fluoranthene	18.98	202	31173	0.542	ng/ul	99
17) Pyrene	19.34	202	25116	0.612	ng/ul	98
18) Benzo(a)anthracene	21.10	228	9601	0.269	ng/ul	97
19) Chrysene	21.15	228	10970	0.306	ng/ul	97
21) Benzo(b)fluoranthene	22.63	252	18349	0.485	ng/ul	91
22) Benzo(k)fluoranthene	22.63	252	18349	0.481	ng/ul#	91
23) Benzo(a)pyrene	23.16	252	8748	0.264	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.35	276	6381	0.177	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.35	278	1489	0.052	ng/ul#	54
26) Benzo(g,h,i)perylene	25.99	276	6412	0.211	ng/ul	95

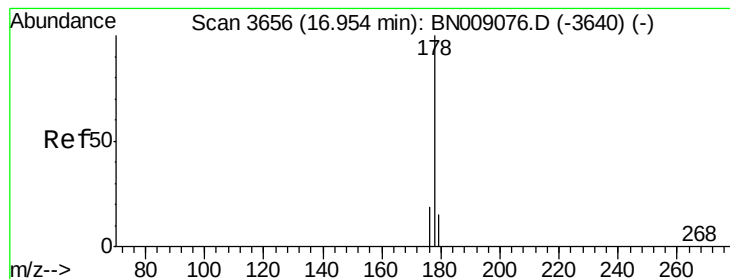
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

Phenanthrene

Concen: 0.281 ng/ul

RT: 16.95 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN009077.D

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BNA_N

ClientSampleId :

C0BT0DL

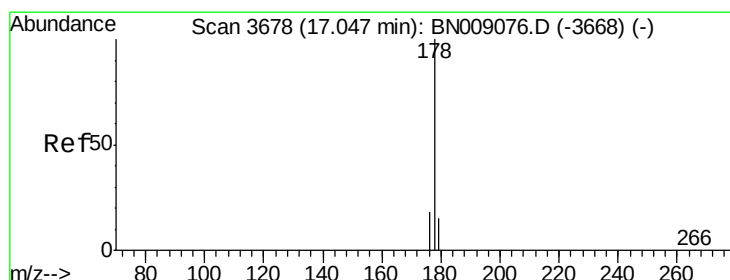
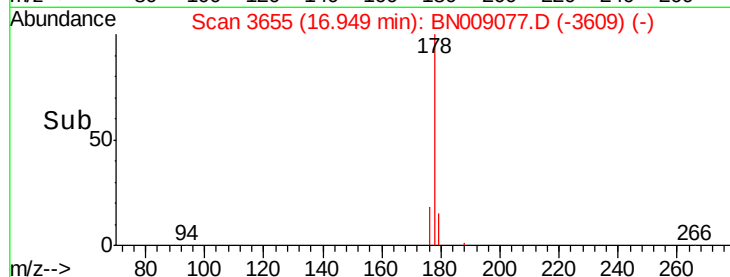
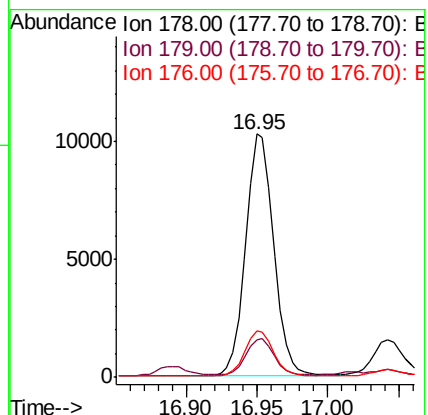
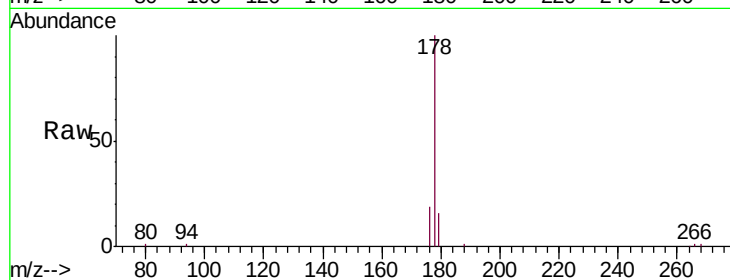
Tgt Ion:178 Resp: 14129

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

176 18.9 15.1 22.7



#13

Anthracene

Concen: 0.049 ng/ul

RT: 17.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BN009077.D

Acq: 20 Dec 2019 21:03

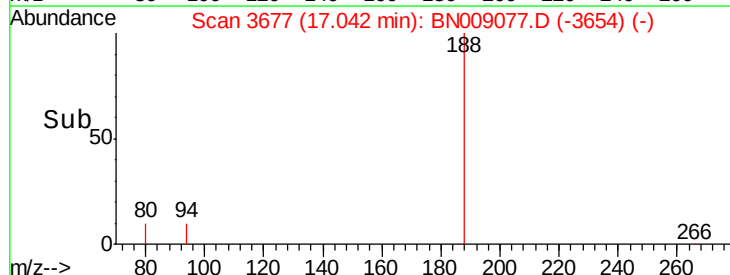
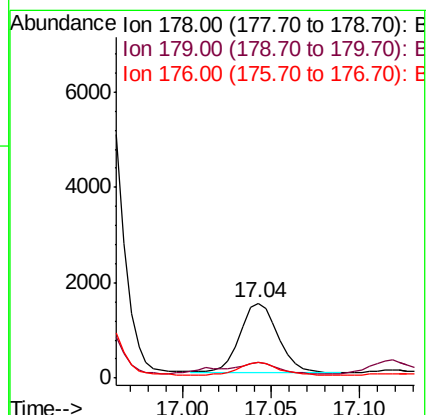
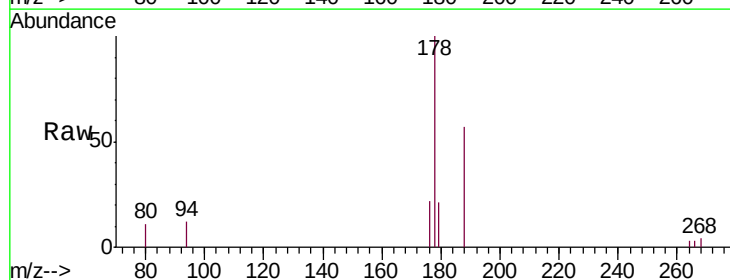
Tgt Ion:178 Resp: 2213

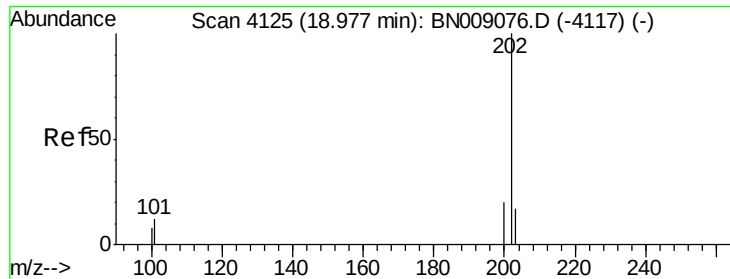
Ion Ratio Lower Upper

178 100

179 20.8 12.5 18.7#

176 21.8 14.9 22.3

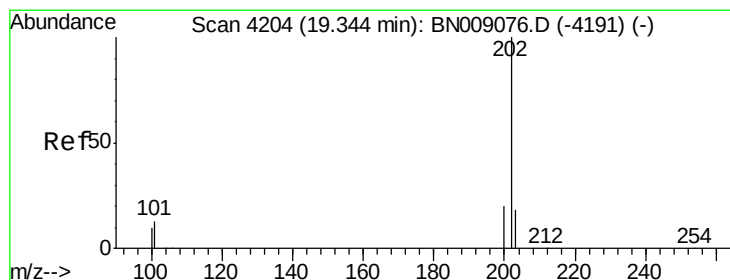
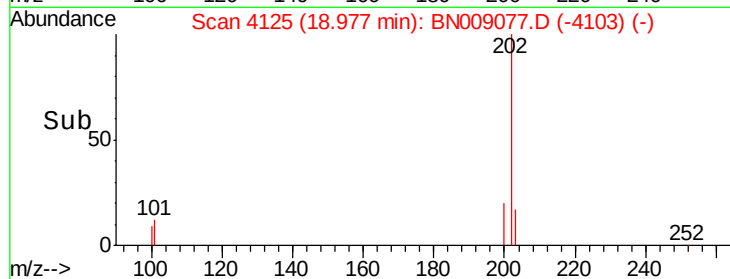
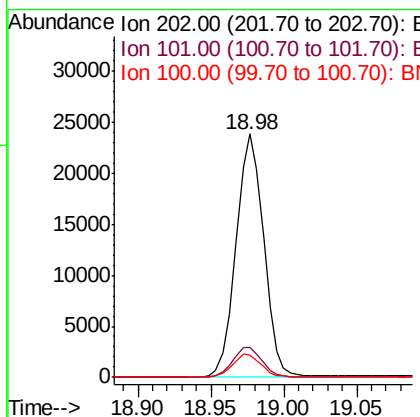
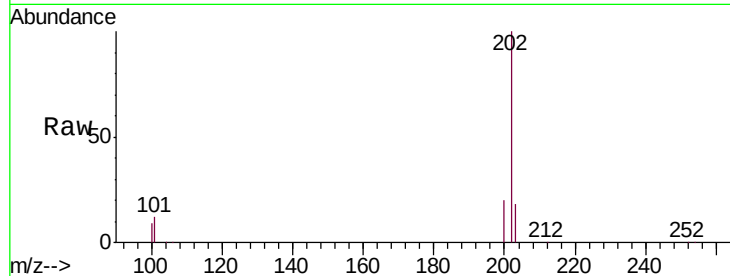




#15
Fluoranthene
 Concen: 0.542 ng/ul
 RT: 18.98 min Scan# 4125
 Delta R.T. -0.00 min
 Lab File: BN009077.D
 Acq: 20 Dec 2019 21:03

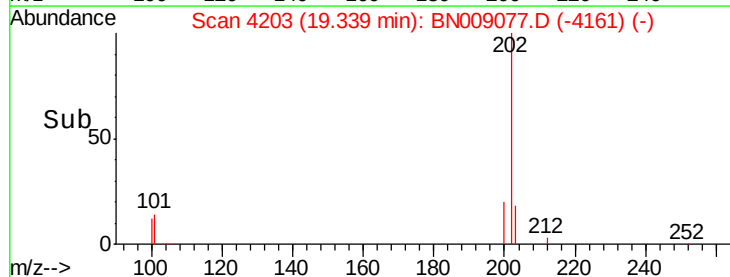
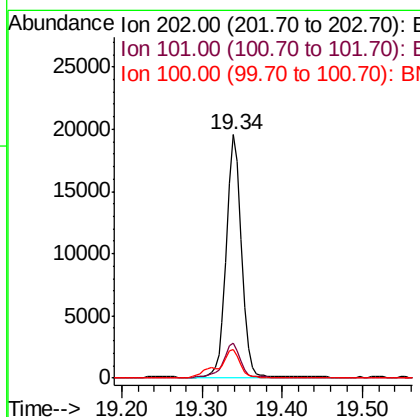
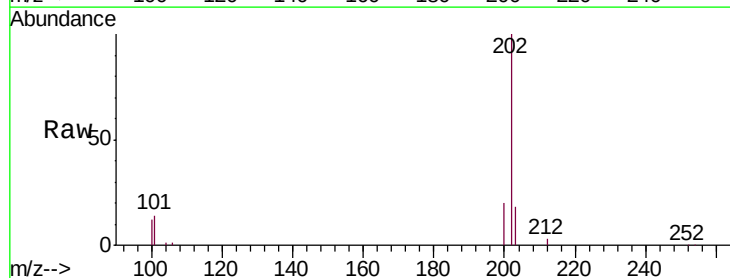
Instrument :
 BNA_N
 ClientSampleId :
 C0BT0DL

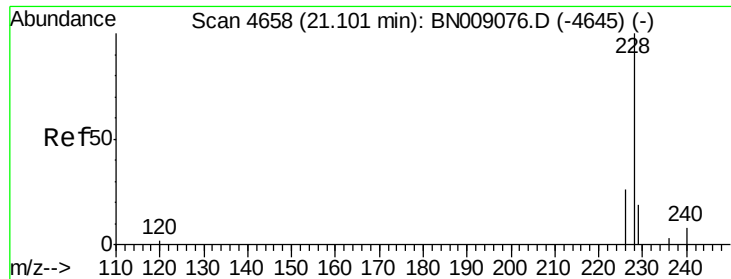
Tgt Ion:202 Resp: 31173
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 31.5
 100 9.1 0.0 28.9



#17
Pyrene
 Concen: 0.612 ng/ul
 RT: 19.34 min Scan# 4203
 Delta R.T. -0.00 min
 Lab File: BN009077.D
 Acq: 20 Dec 2019 21:03

Tgt Ion:202 Resp: 25116
 Ion Ratio Lower Upper
 202 100
 101 14.4 10.9 16.3
 100 11.9 9.0 13.6





#18

Benzo(a)anthracene

Concen: 0.269 ng/ul

RT: 21.10 min Scan# 4658

Delta R.T. -0.00 min

Lab File: BN009077.D

Acq: 20 Dec 2019 21:03

Instrument :

BNA_N

ClientSampleId :

COBT0DL

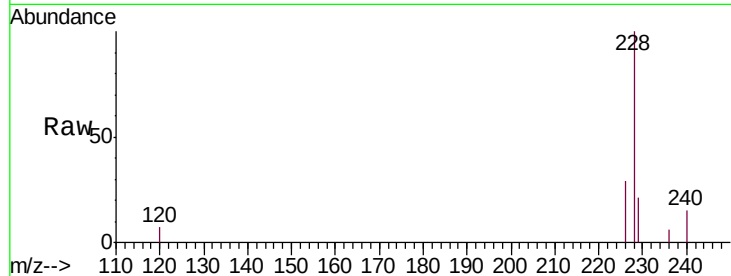
Tgt Ion:228 Resp: 9601

Ion Ratio Lower Upper

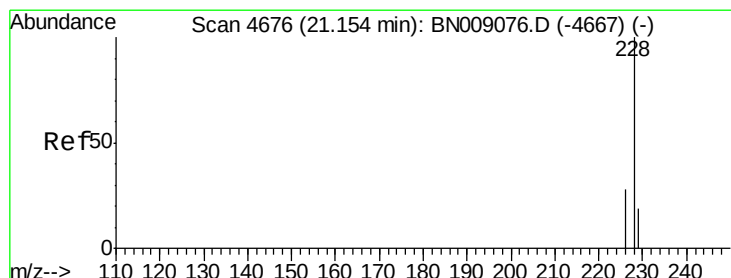
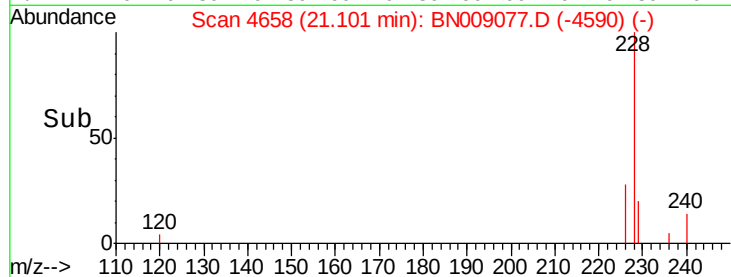
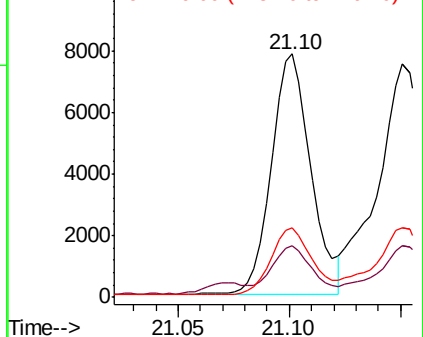
228 100

229 21.3 15.5 23.3

226 28.6 21.7 32.5



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: 0.306 ng/ul

RT: 21.15 min Scan# 4675

Delta R.T. -0.00 min

Lab File: BN009077.D

Acq: 20 Dec 2019 21:03

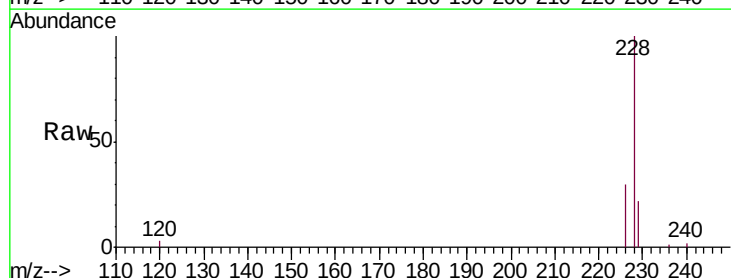
Tgt Ion:228 Resp: 10970

Ion Ratio Lower Upper

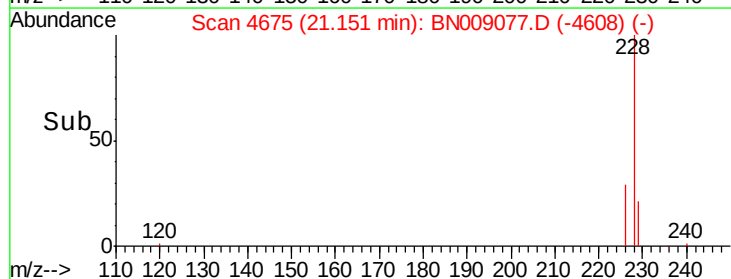
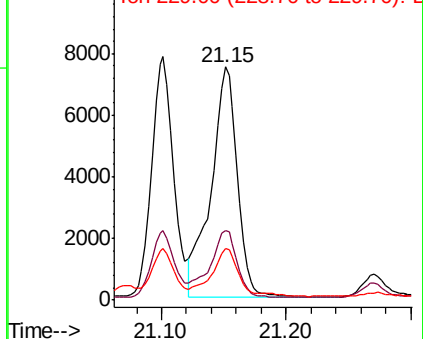
228 100

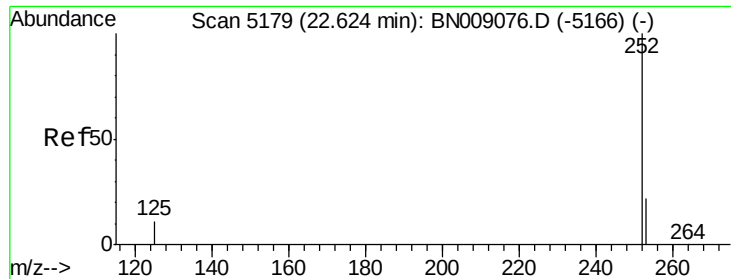
226 30.1 23.7 35.5

229 22.3 15.4 23.0



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: 0.485 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. 0.00 min

Lab File: BN009077.D

Acq: 20 Dec 2019 21:03

Instrument :

BNA_N

ClientSampleId :

C0BT0DL

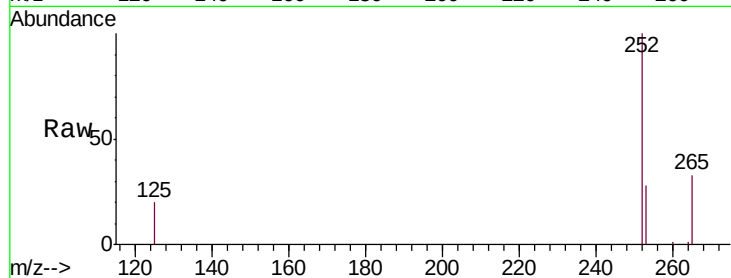
Tgt Ion:252 Resp: 18349

Ion Ratio Lower Upper

252 100

253 28.0 0.0 48.2

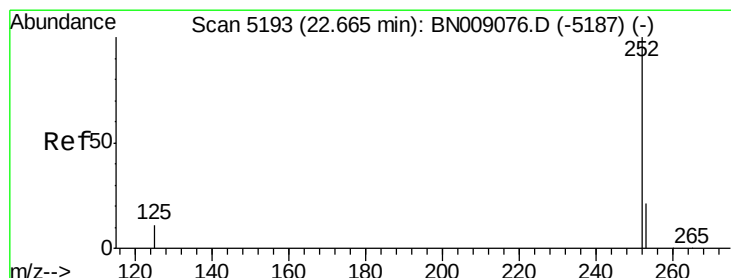
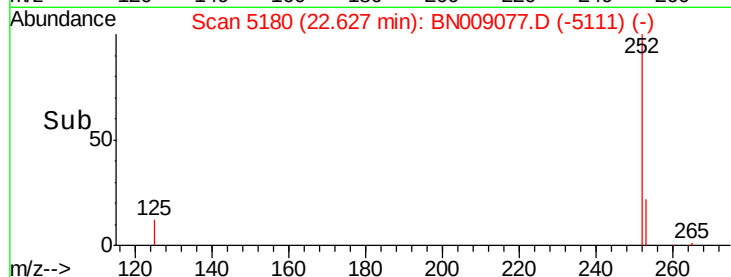
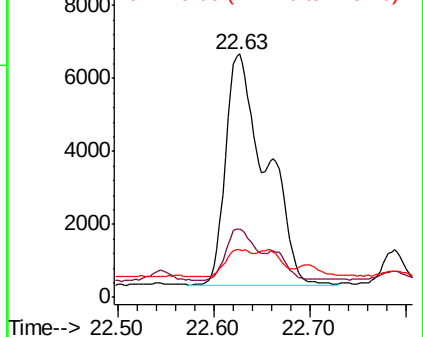
125 19.9 0.0 30.0



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: 0.481 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. -0.04 min

Lab File: BN009077.D

Acq: 20 Dec 2019 21:03

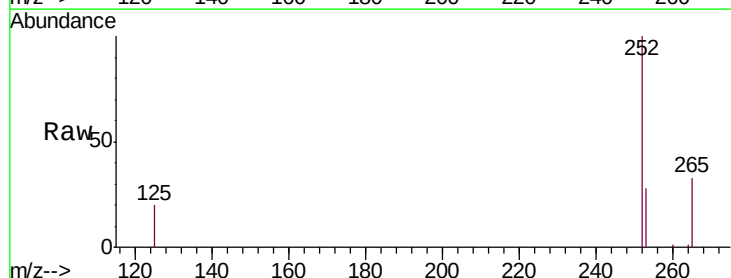
Tgt Ion:252 Resp: 18349

Ion Ratio Lower Upper

252 100

253 28.0 19.4 29.0

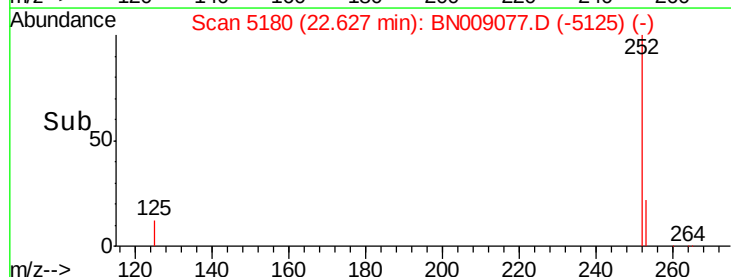
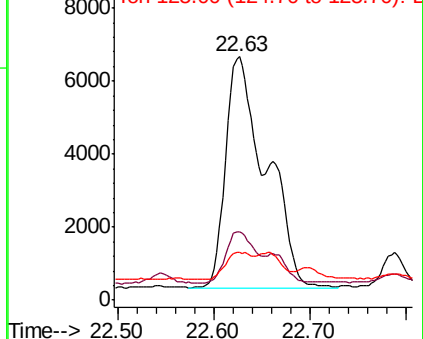
125 19.9 12.4 18.6#

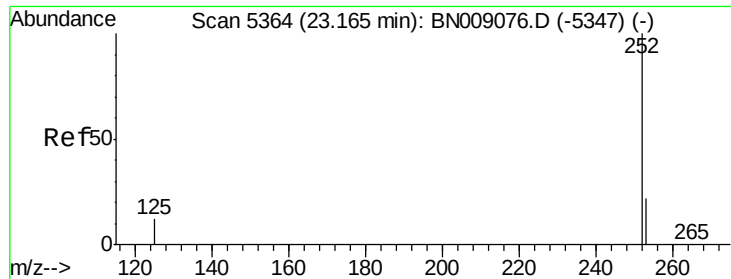


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.264 ng/ul

RT: 23.16 min Scan# 5363

Delta R.T. -0.00 min

Lab File: BN009077.D

Acq: 20 Dec 2019 21:03

Instrument :

BNA_N

ClientSampleId :

COBT0DL

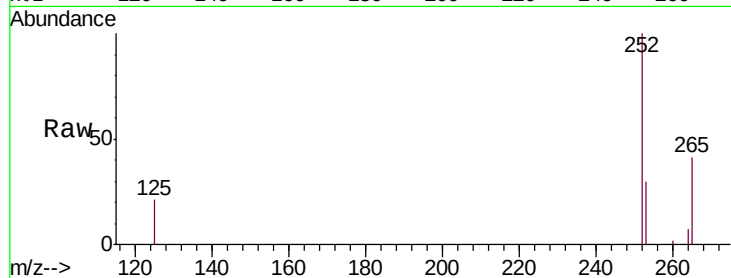
Tgt Ion:252 Resp: 8748

Ion Ratio Lower Upper

252 100

253 30.5 20.2 30.4#

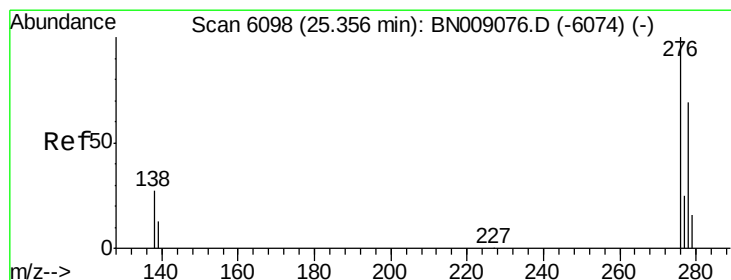
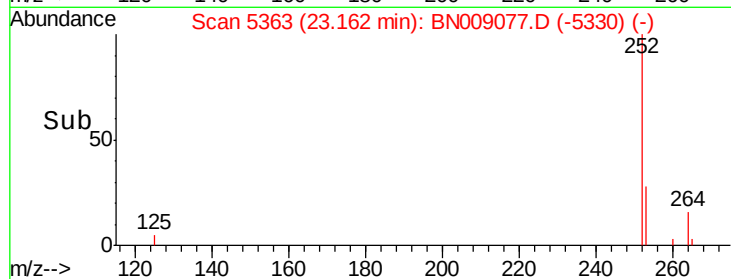
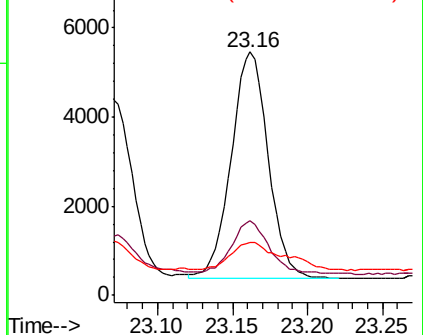
125 21.5 13.2 19.8#



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: 0.177 ng/ul

RT: 25.35 min Scan# 6097

Delta R.T. -0.00 min

Lab File: BN009077.D

Acq: 20 Dec 2019 21:03

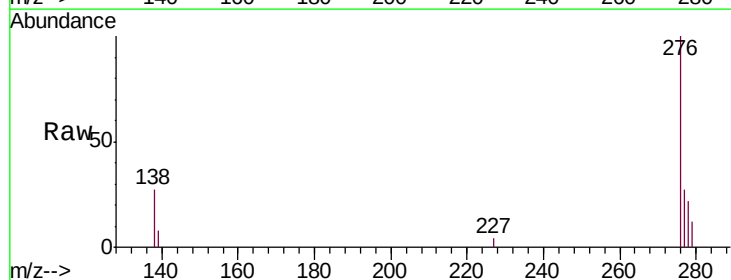
Tgt Ion:276 Resp: 6381

Ion Ratio Lower Upper

276 100

138 24.0 22.4 33.6

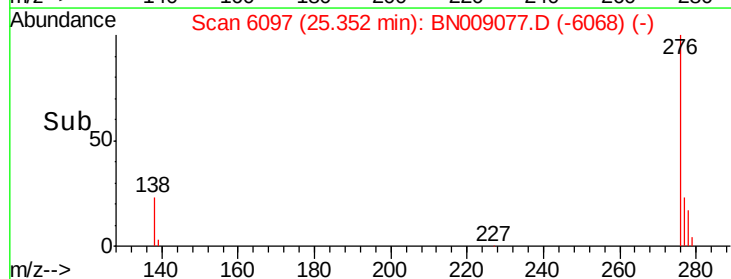
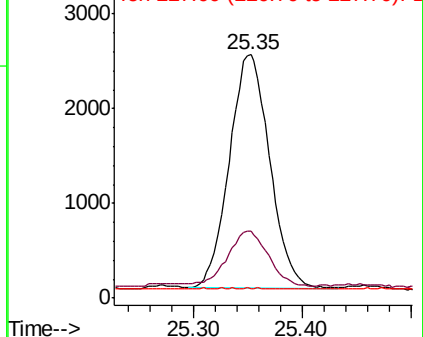
227 0.1 0.2 0.4#

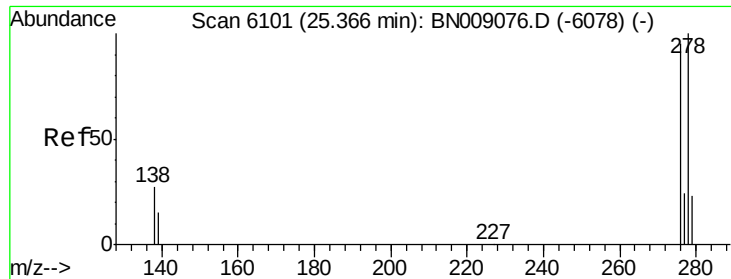


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.052 ng/ul

RT: 25.35 min Scan# 6097

Delta R.T. -0.01 min

Lab File: BN009077.D

Acq: 20 Dec 2019 21:03

Instrument :

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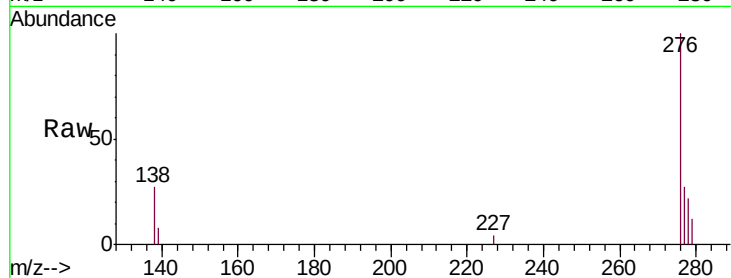
Tgt Ion:278 Resp: 1489

Ion Ratio Lower Upper

278 100

139 36.2 16.2 24.2#

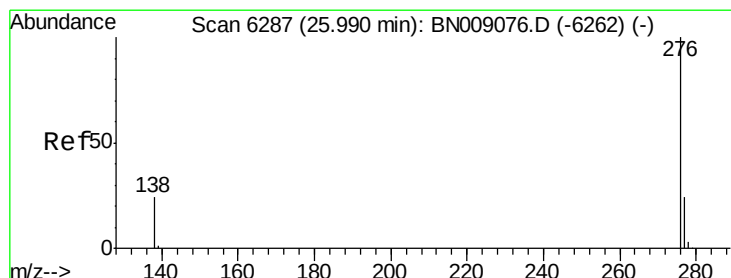
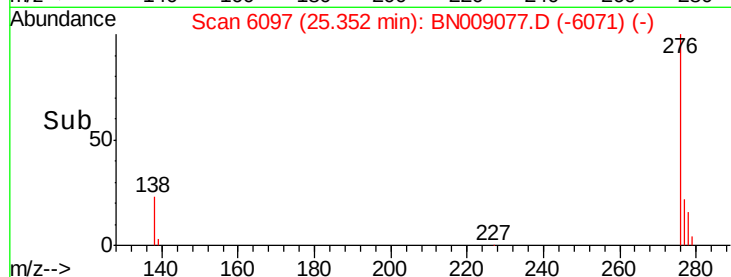
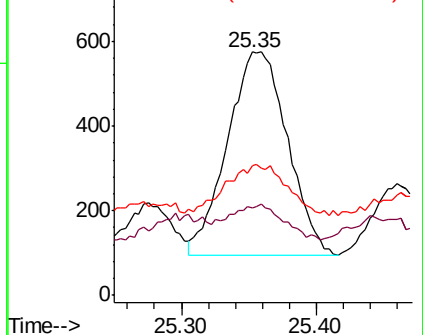
279 53.2 20.3 30.5#



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: 0.211 ng/ul

RT: 25.99 min Scan# 6287

Delta R.T. -0.00 min

Lab File: BN009077.D

Acq: 20 Dec 2019 21:03

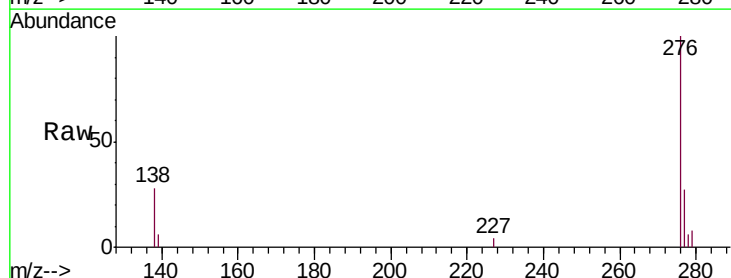
Tgt Ion:276 Resp: 6412

Ion Ratio Lower Upper

276 100

138 28.0 20.6 30.8

277 27.3 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

