

Data File : BN009078.D
Acq On : 20 Dec 2019 21:38
Operator : JU
Sample : K6171-17DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BZ5DL

Quant Time: Dec 20 23:33:32 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

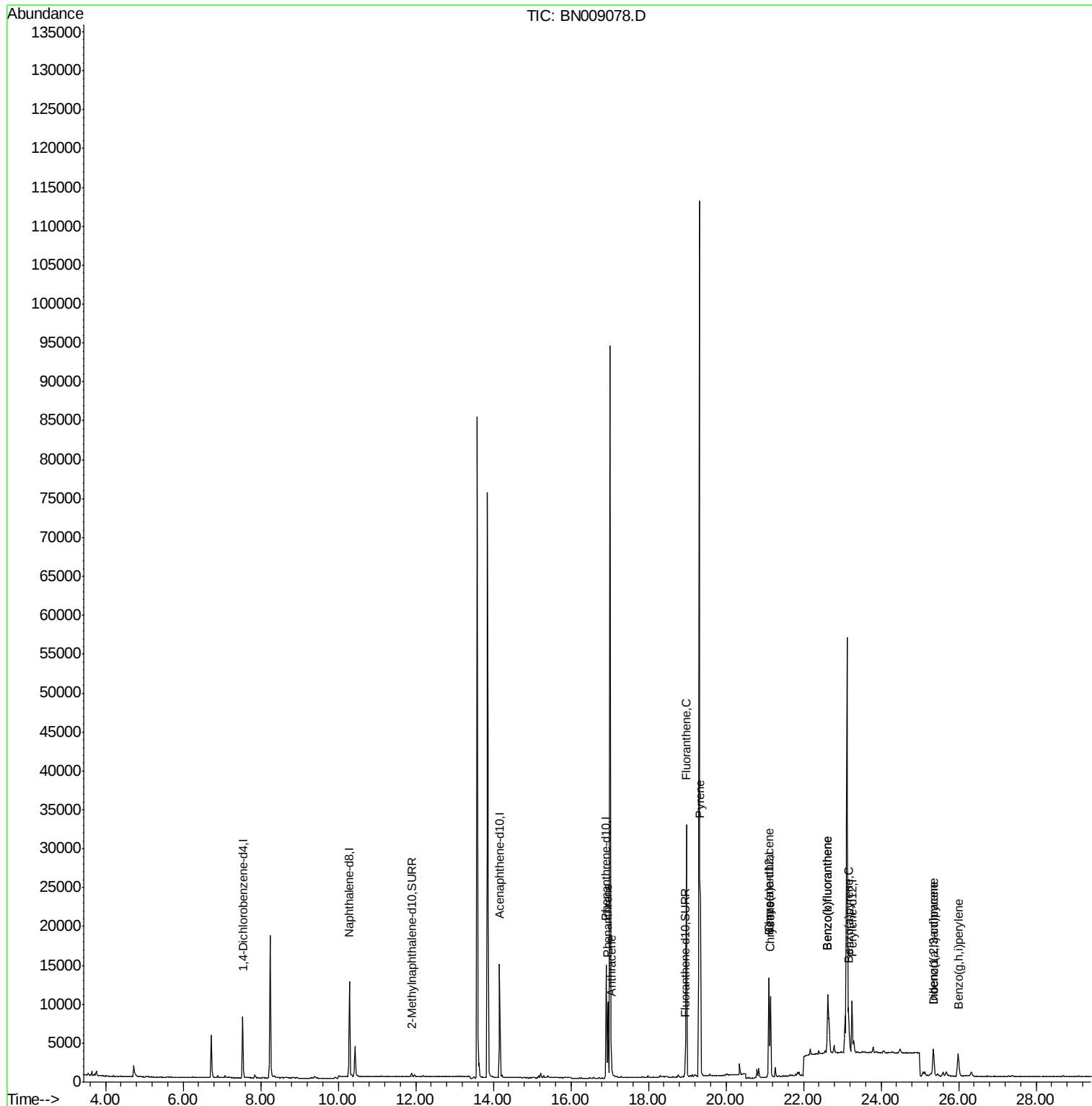
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3940	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	14951	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.16	164	8030	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	15698	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	8708	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	7882	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	670	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.94	212	1247	0.03	ng/ul	0.00
Target Compounds				Qvalue		
12) Phenanthrene	16.95	178	10308	0.189	ng/ul	99
13) Anthracene	17.04	178	1515	0.031	ng/ul#	89
15) Fluoranthene	18.98	202	27331	0.438	ng/ul	99
17) Pyrene	19.34	202	22469	0.506	ng/ul	98
18) Benzo(a)anthracene	21.10	228	7648	0.198	ng/ul	96
19) Chrysene	21.15	228	9952	0.256	ng/ul	98
21) Benzo(b)fluoranthene	22.62	252	15912	0.432	ng/ul	90
22) Benzo(k)fluoranthene	22.62	252	15912	0.429	ng/ul#	90
23) Benzo(a)pyrene	23.16	252	7004	0.217	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.35	276	5489	0.156	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.35	278	1166	0.042	ng/ul#	45
26) Benzo(g,h,i)perylene	25.98	276	5602	0.189	ng/ul	95

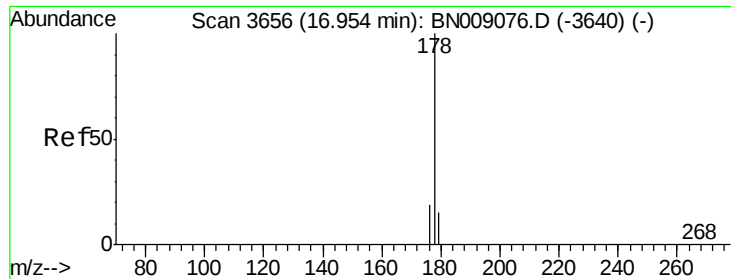
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.189 ng/ul

RT: 16.95 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BN009078.D

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Instrument :

BNA_N

ClientSampleId :

C0BZ5DL

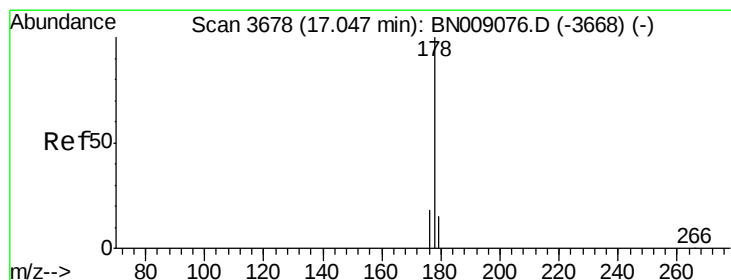
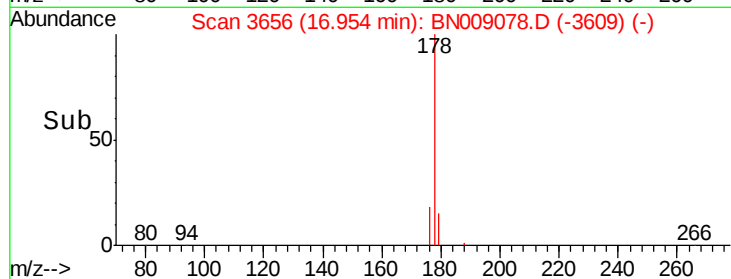
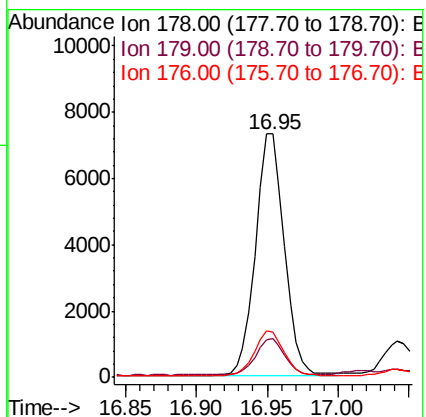
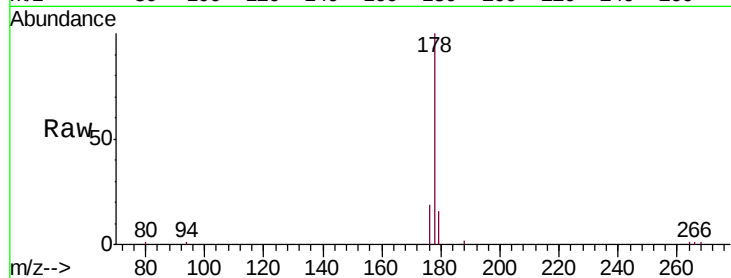
Tgt Ion:178 Resp: 10308

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

176 18.7 15.1 22.7



#13

Anthracene

Concen: 0.031 ng/ul

RT: 17.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

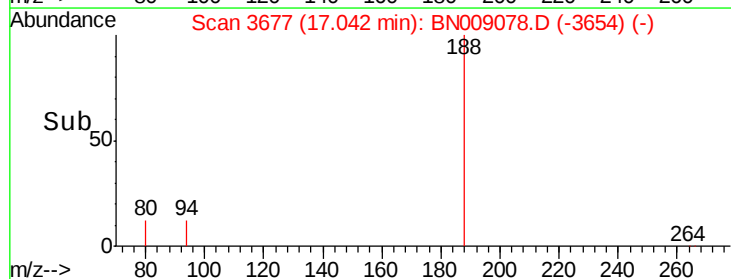
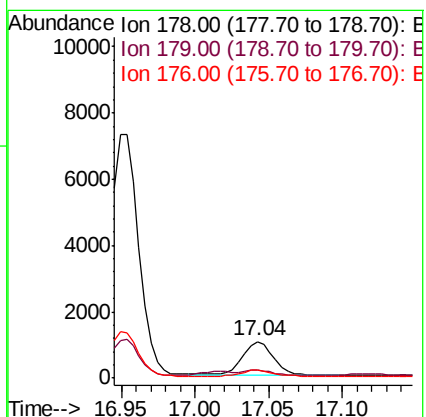
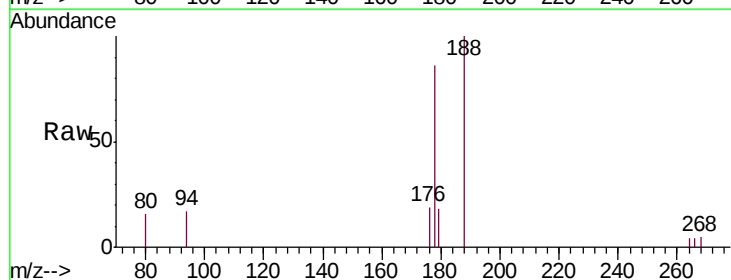
Tgt Ion:178 Resp: 1515

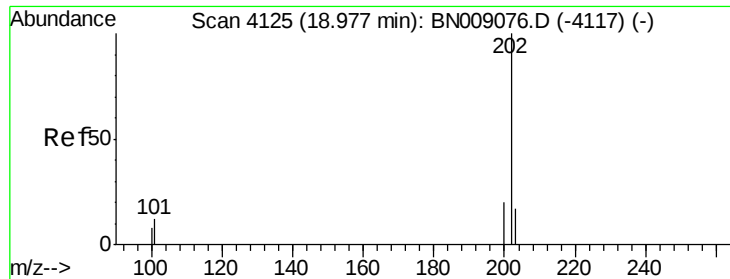
Ion Ratio Lower Upper

178 100

179 21.4 12.5 18.7#

176 22.4 14.9 22.3#





#15

Fluoranthene

Concen: 0.438 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

Instrument :

BNA_N

ClientSampleId :

C0BZ5DL

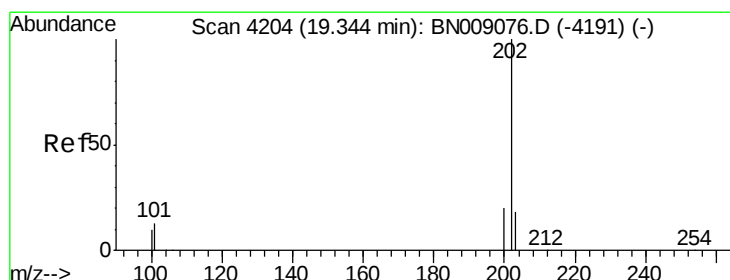
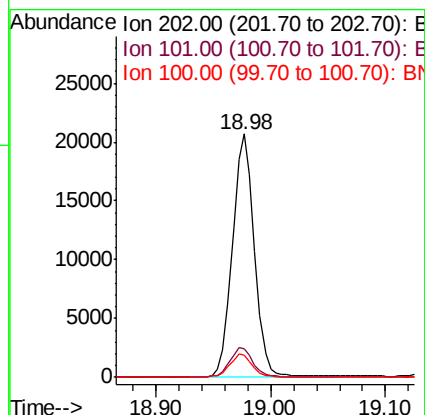
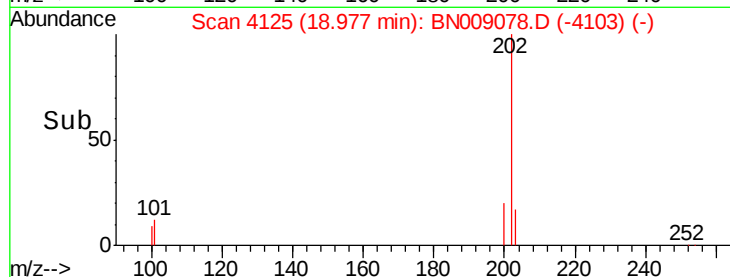
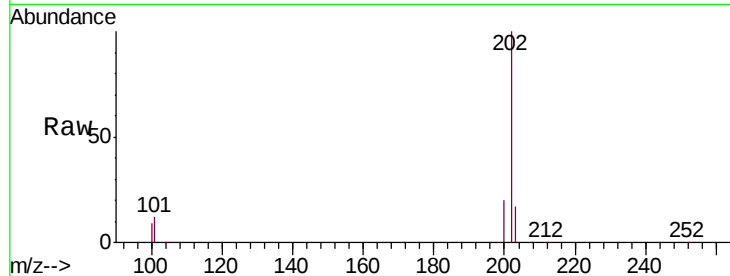
Tgt Ion:202 Resp: 27331

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.5

100 9.0 0.0 28.9



#17

Pyrene

Concen: 0.506 ng/ul

RT: 19.34 min Scan# 4203

Delta R.T. -0.00 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

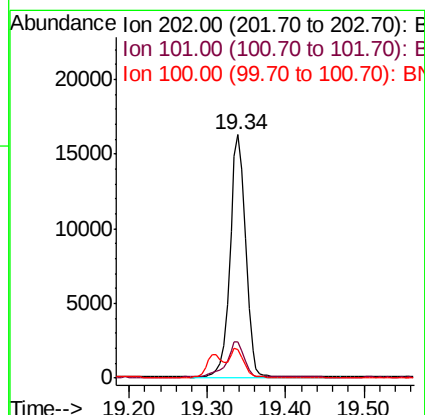
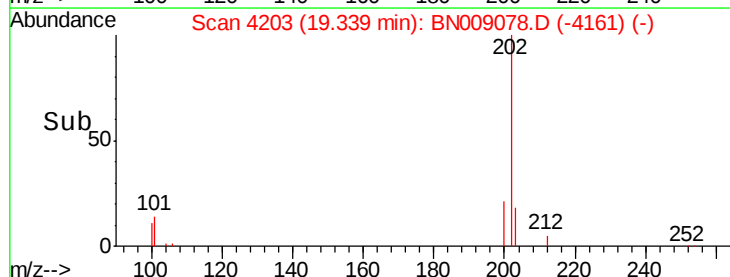
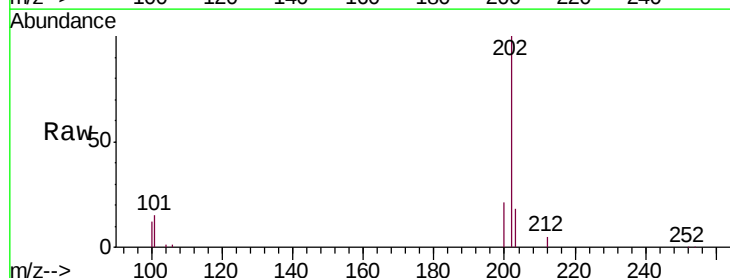
Tgt Ion:202 Resp: 22469

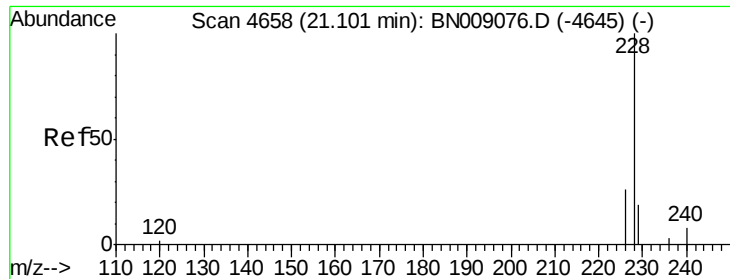
Ion Ratio Lower Upper

202 100

101 14.7 10.9 16.3

100 11.6 9.0 13.6





#18

Benzo(a)anthracene

Concen: 0.198 ng/ul

RT: 21.10 min Scan# 4657

Delta R.T. -0.00 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

Instrument :

BNA_N

ClientSampleId :

C0BZ5DL

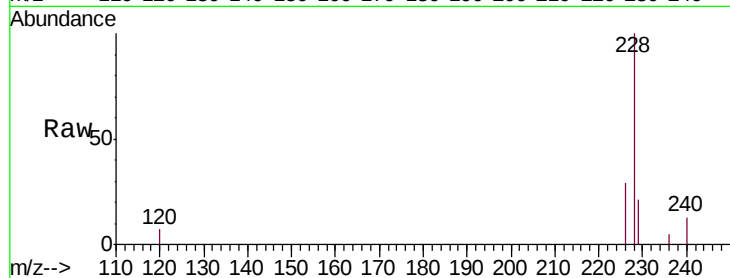
Tgt Ion:228 Resp: 7648

Ion Ratio Lower Upper

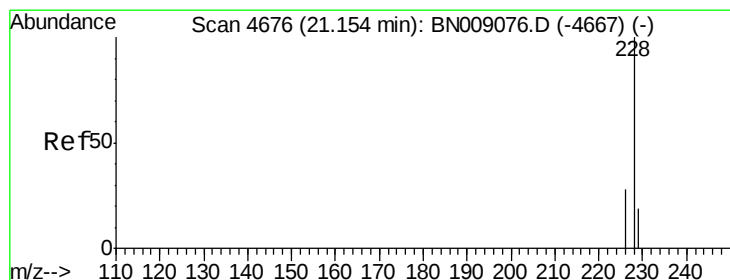
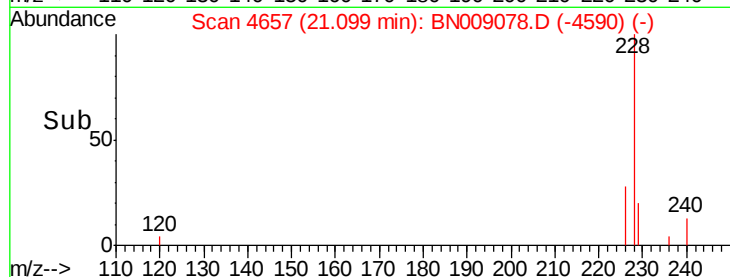
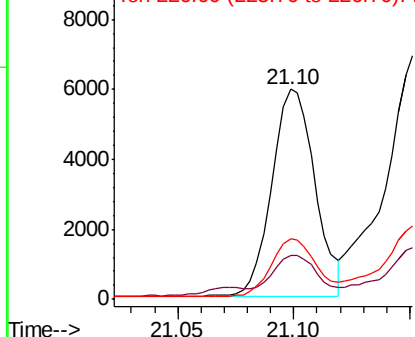
228 100

229 21.0 15.5 23.3

226 29.0 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: 0.256 ng/ul

RT: 21.15 min Scan# 4675

Delta R.T. -0.00 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

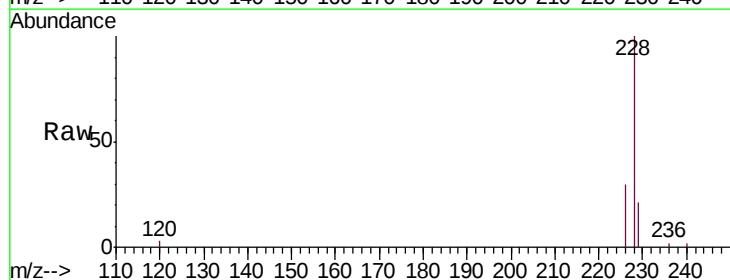
Tgt Ion:228 Resp: 9952

Ion Ratio Lower Upper

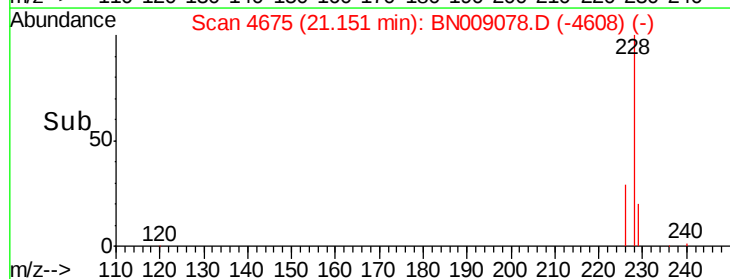
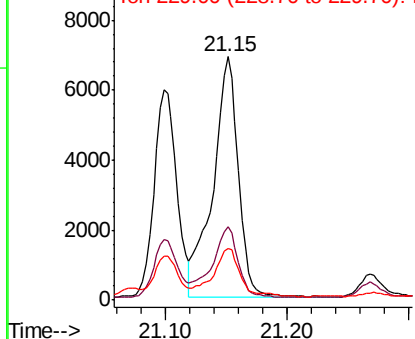
228 100

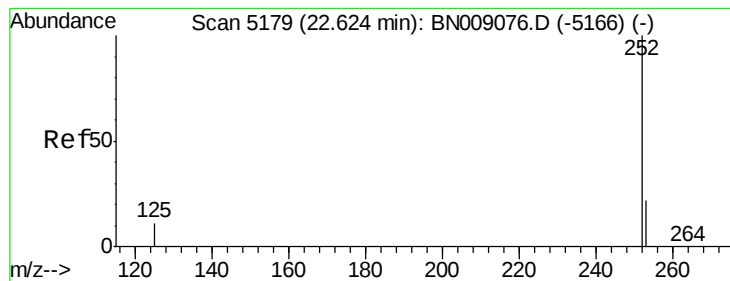
226 30.2 23.7 35.5

229 21.3 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: 0.432 ng/ul

RT: 22.62 min Scan# 5179

Delta R.T. -0.00 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

Instrument :

BNA_N

ClientSampleId :

C0BZ5DL

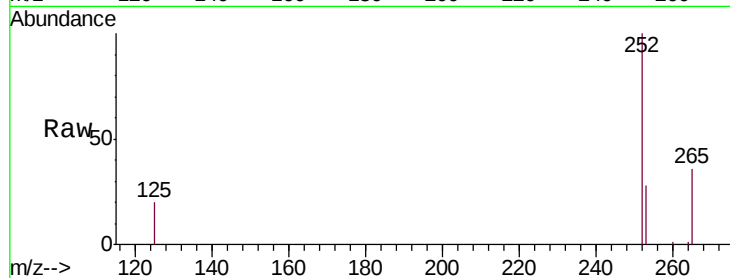
Tgt Ion:252 Resp: 15912

Ion Ratio Lower Upper

252 100

253 28.3 0.0 48.2

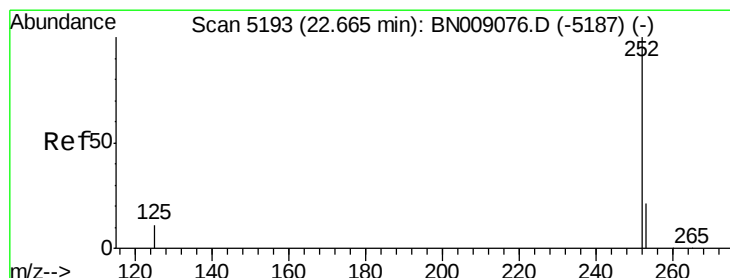
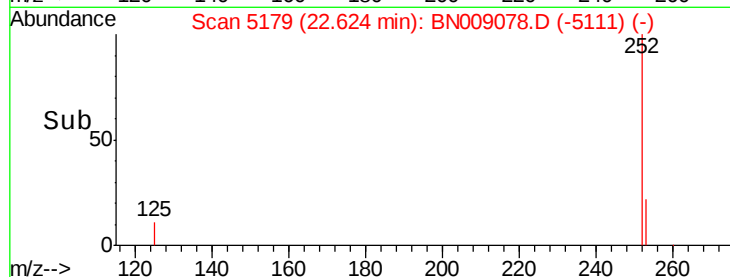
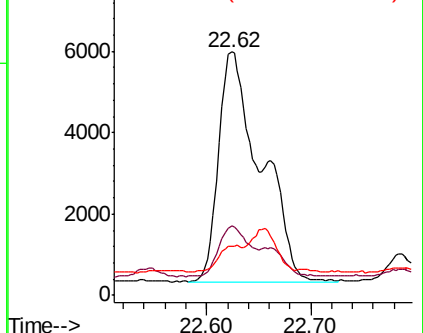
125 20.3 0.0 30.0



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: 0.429 ng/ul

RT: 22.62 min Scan# 5179

Delta R.T. -0.04 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

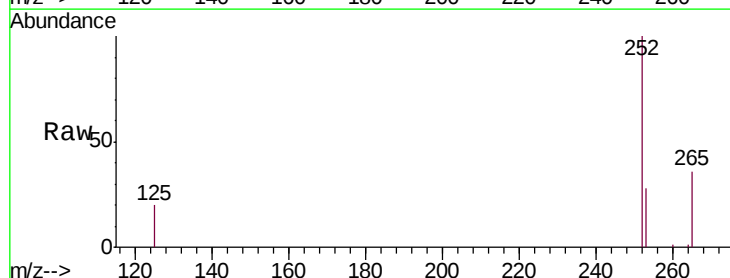
Tgt Ion:252 Resp: 15912

Ion Ratio Lower Upper

252 100

253 28.3 19.4 29.0

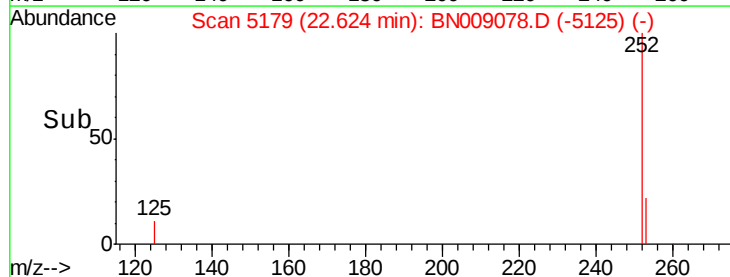
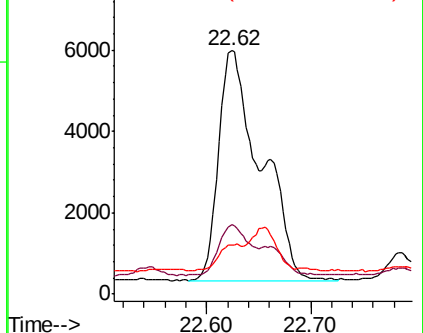
125 20.3 12.4 18.6#

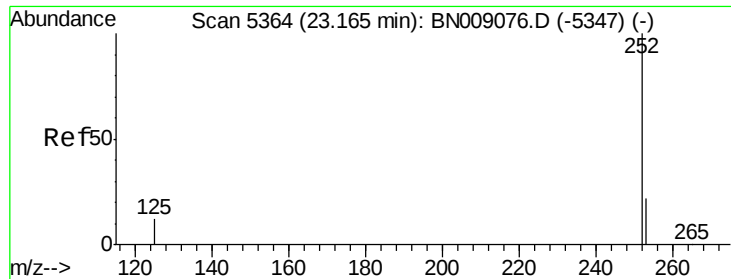


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.217 ng/u1

RT: 23.16 min Scan# 5363

Delta R.T. -0.00 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

Instrument :

BNA_N

ClientSampleId :

C0BZ5DL

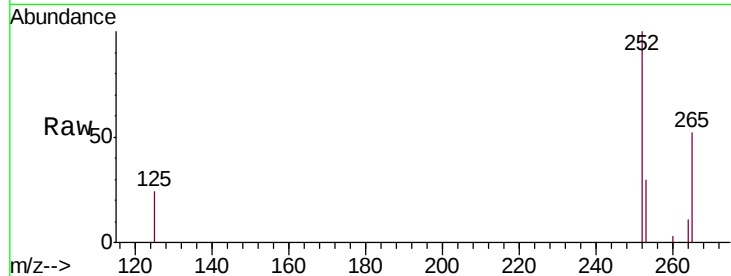
Tgt Ion:252 Resp: 7004

Ion Ratio Lower Upper

252 100

253 30.3 20.2 30.4

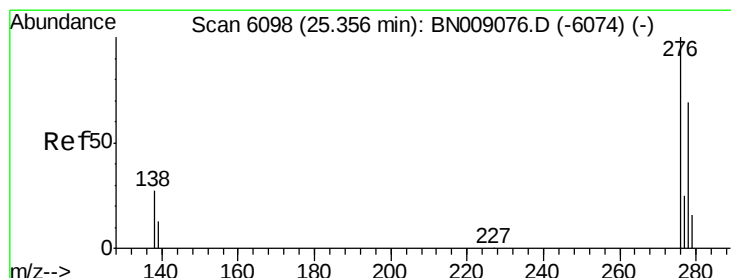
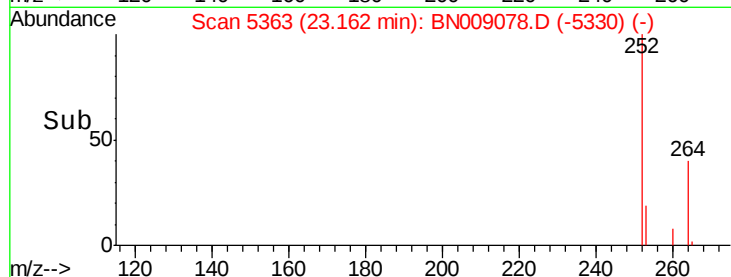
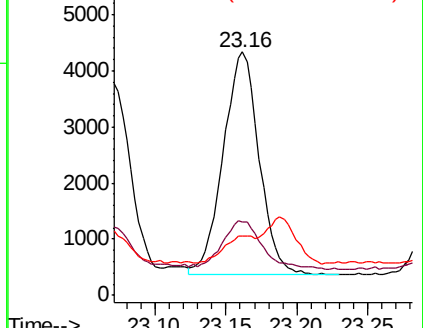
125 24.2 13.2 19.8#



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: 0.156 ng/u1

RT: 25.35 min Scan# 6096

Delta R.T. -0.01 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

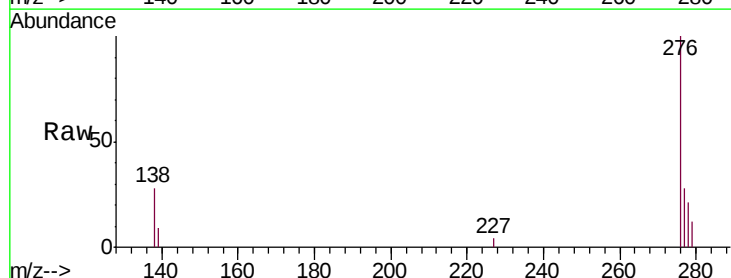
Tgt Ion:276 Resp: 5489

Ion Ratio Lower Upper

276 100

138 23.5 22.4 33.6

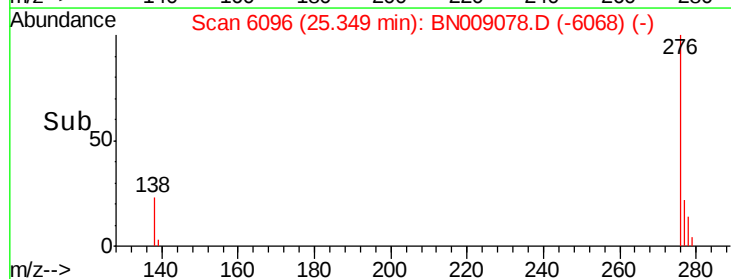
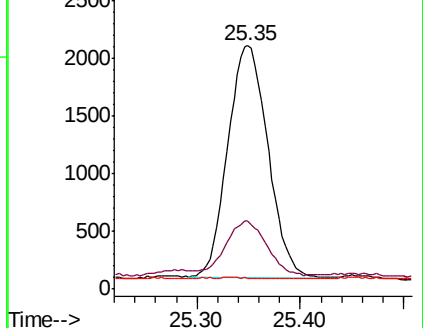
227 0.0 0.2 0.4#

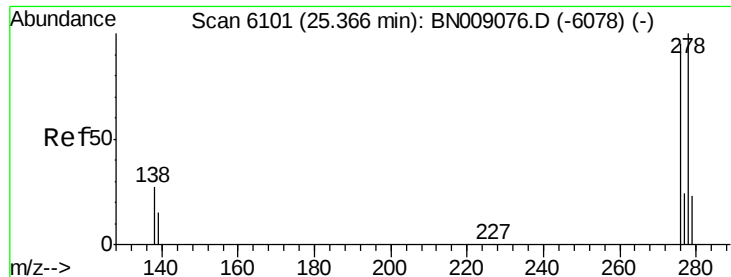


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.042 ng/u1

RT: 25.35 min Scan# 6097

Delta R.T. -0.01 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

Instrument :

BNA_N

ClientSampleId :

C0BZ5DL

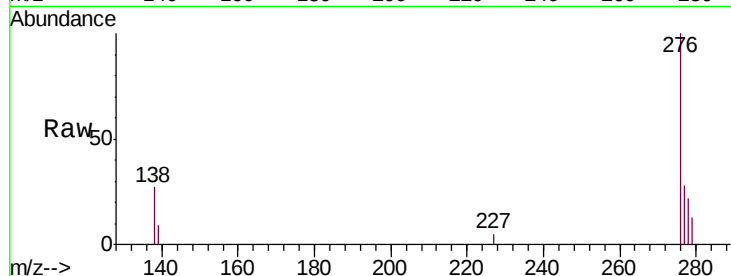
Tgt Ion:278 Resp: 1166

Ion Ratio Lower Upper

278 100

139 41.1 16.2 24.2#

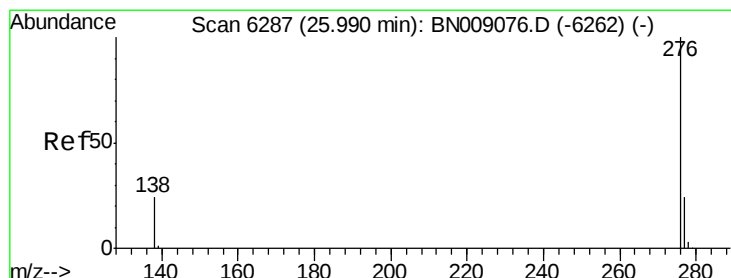
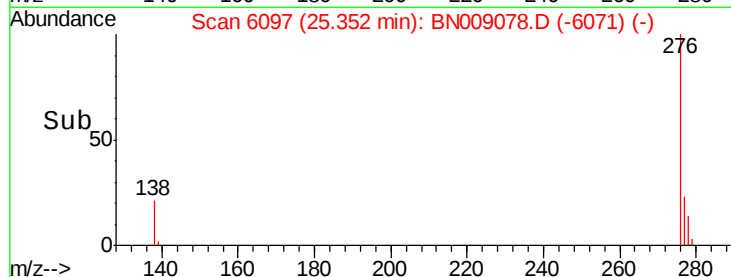
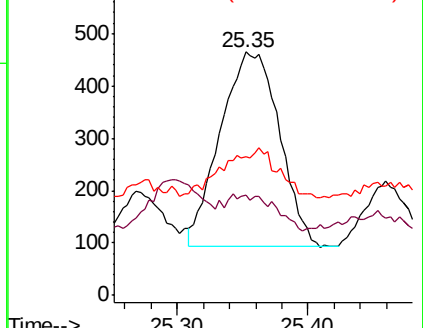
279 57.0 20.3 30.5#



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: 0.189 ng/u1

RT: 25.98 min Scan# 6285

Delta R.T. -0.01 min

Lab File: BN009078.D

Acq: 20 Dec 2019 21:38

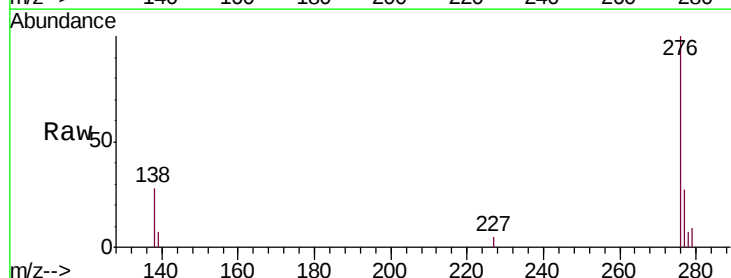
Tgt Ion:276 Resp: 5602

Ion Ratio Lower Upper

276 100

138 27.9 20.6 30.8

277 27.4 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

