

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN012996.D
 Acq On : 09 Dec 2020 04:05
 Operator : CG/JU
 Sample : L4942-02
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B78

Quant Time: Dec 09 07:42:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 07:33:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1030	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	4350	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	2488	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	5187	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	4081	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	3816	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	1144	0.18	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	2678	0.19	ng/ul	0.00

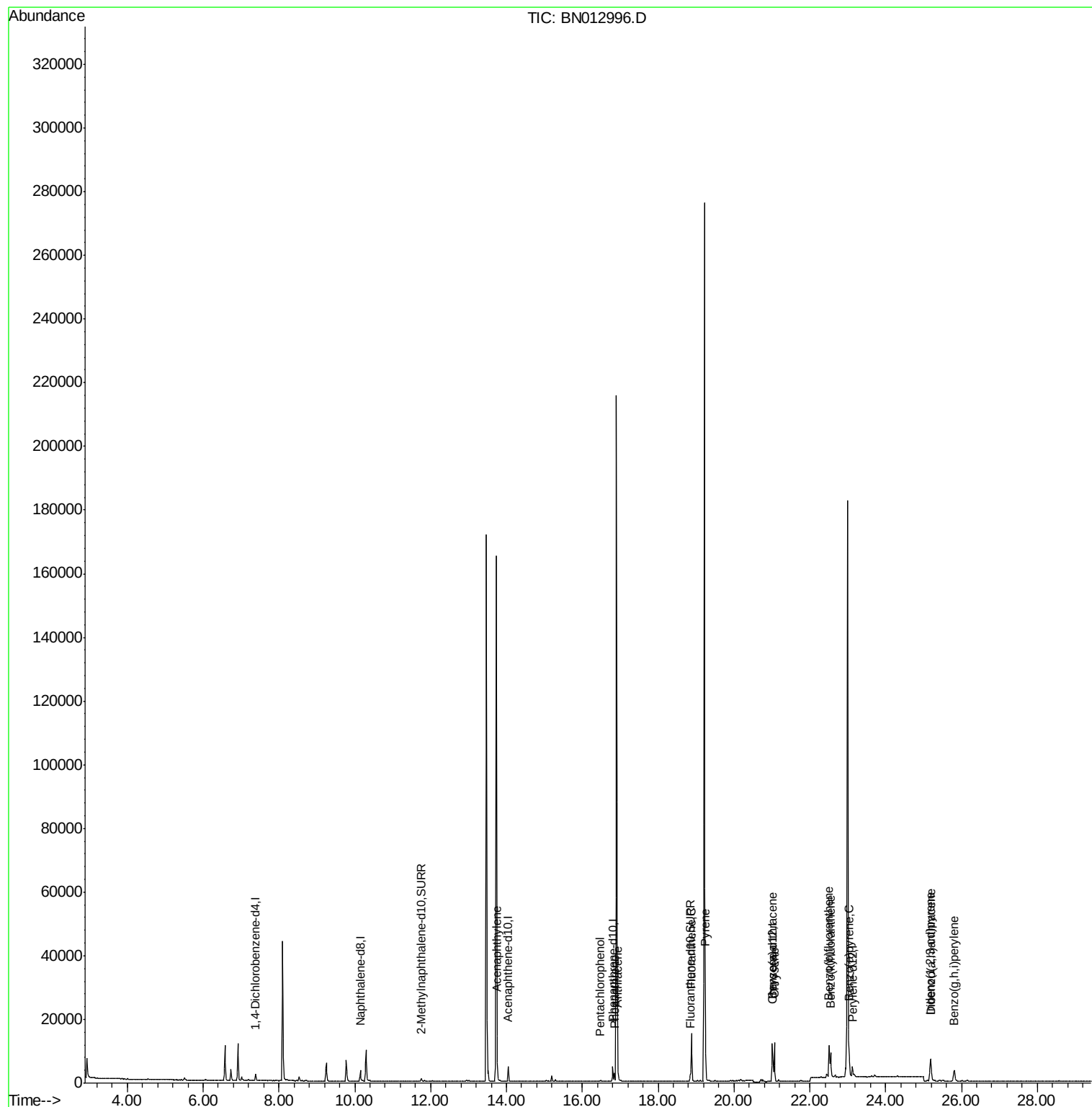
Target Compounds				Ovalue		
7) Acenaphthylene	13.76	152	565	0.048	ng/ul#	85
11) Pentachlorophenol	16.47	266	227	0.151	ng/ul	93
12) Phenanthrene	16.85	178	2718	0.156	ng/ul	99
13) Anthracene	16.94	178	1517	0.102	ng/ul	98
15) Fluoranthene	18.88	202	12547	0.607	ng/ul	99
17) Pyrene	19.25	202	13823	0.717	ng/ul	99
18) Benzo(a)anthracene	21.01	228	9841	0.583	ng/ul	99
19) Chrysene	21.06	228	11286	0.605	ng/ul	99
21) Benzo(b)fluoranthene	22.51	252	13654	0.773	ng/ul	94
22) Benzo(k)fluoranthene	22.55	252	8508	0.436	ng/ul	95
23) Benzo(a)pyrene	23.04	252	8976	0.548	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.18	276	8438	0.392	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.19	278	4842	0.285	ng/ul	96
26) Benzo(g,h,i)perylene	25.81	276	7073	0.363	ng/ul	97

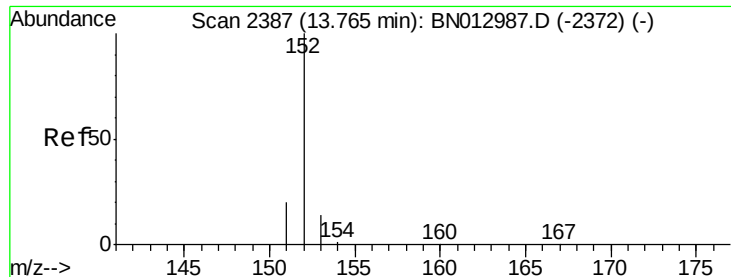
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 13.76 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

Instrument :

BNA_N

ClientSampleId :

C0B78

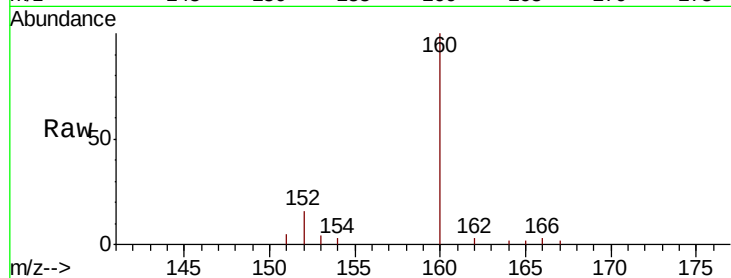
Tot Ion:152 Resp: 565

Ion Ratio Lower Upper

152 100

151 29.8 18.2 27.4#

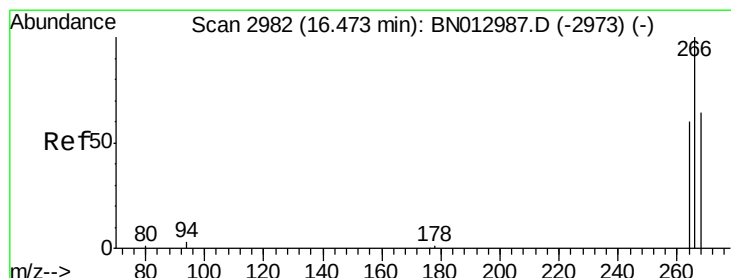
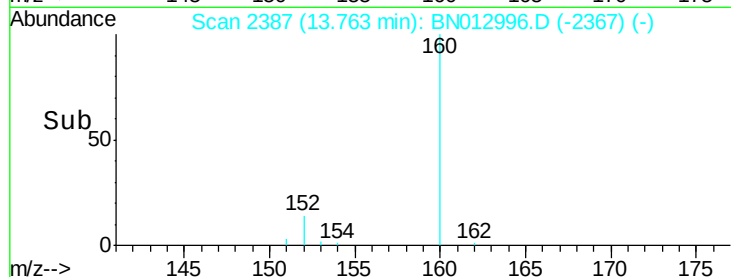
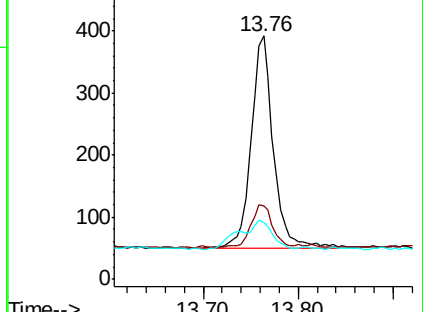
153 23.2 13.1 19.7#



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



#11

Pentachlorophenol

Concen: 0.151 ng/ul

RT: 16.47 min Scan# 2982

Delta R.T. -0.00 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

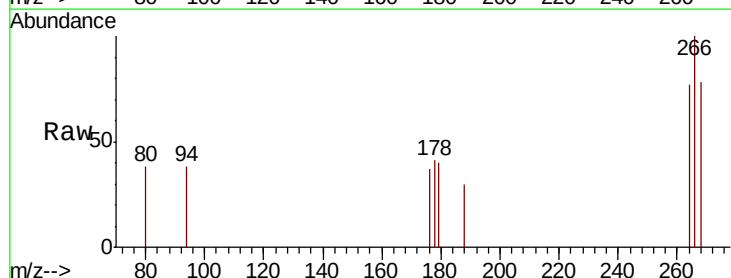
Tgt Ion:266 Resp: 227

Ion Ratio Lower Upper

266 100

264 59.5 51.5 77.3

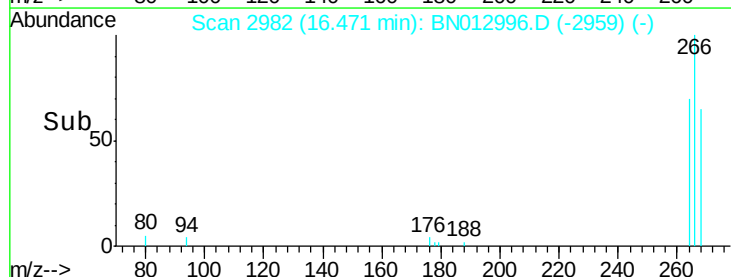
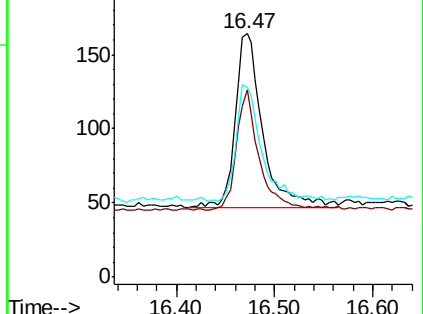
268 63.4 56.0 84.0

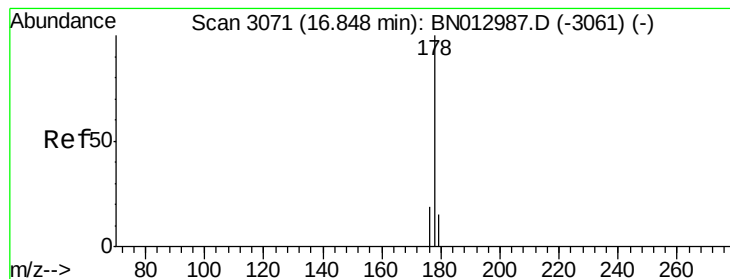


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.156 ng/ul

RT: 16.85 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

Instrument :

BNA_N

ClientSampled :

C0B78

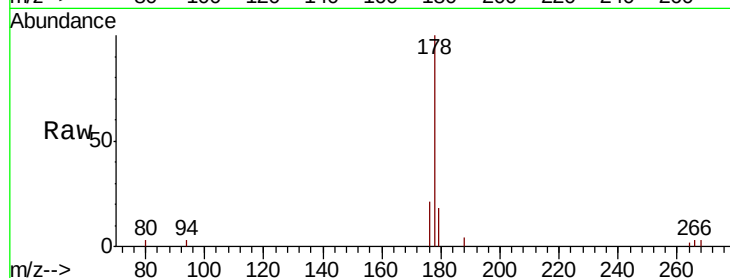
Tot Ion:178 Resp: 2718

Ion Ratio Lower Upper

178 100

179 17.9 13.6 20.4

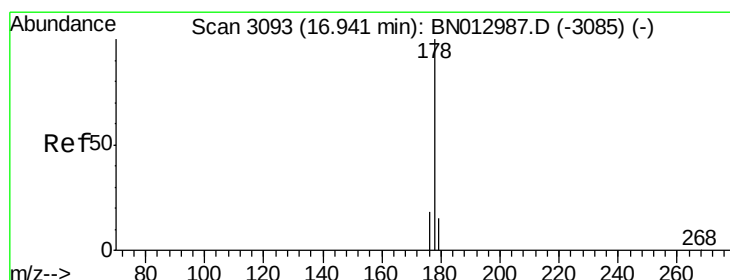
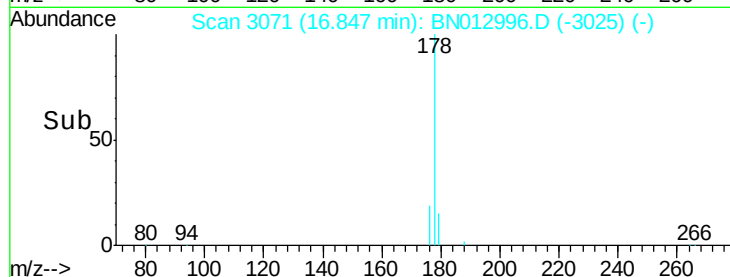
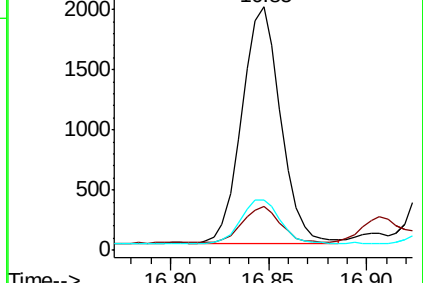
176 20.7 16.4 24.6



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: 0.102 ng/ul

RT: 16.94 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

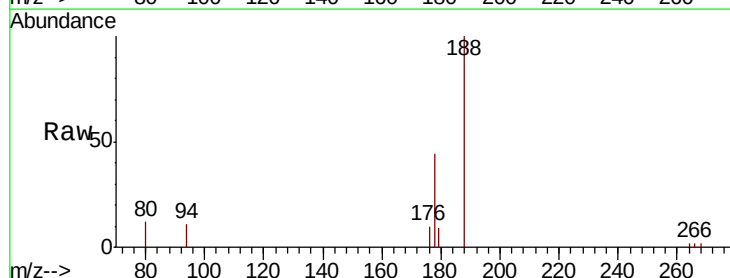
Tgt Ion:178 Resp: 1517

Ion Ratio Lower Upper

178 100

179 20.0 14.6 21.8

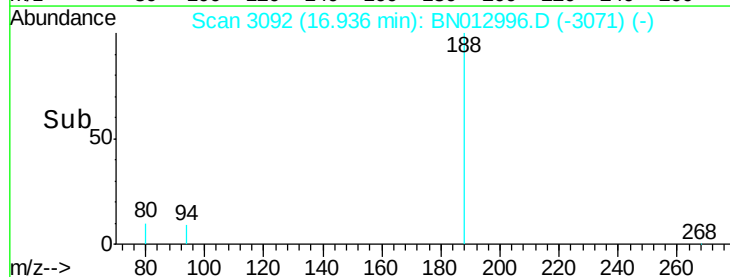
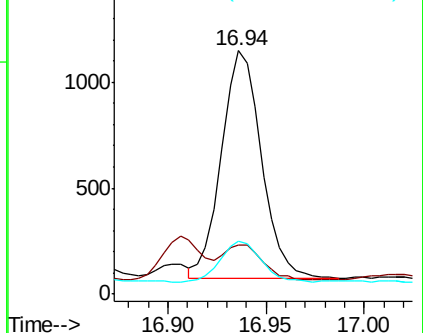
176 21.9 17.1 25.7

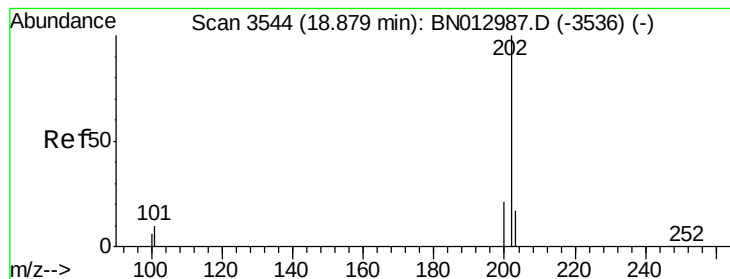


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.607 ng/ul

RT: 18.88 min Scan# 3544

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

Instrument :

BNA_N

ClientSampleId :

C0B78

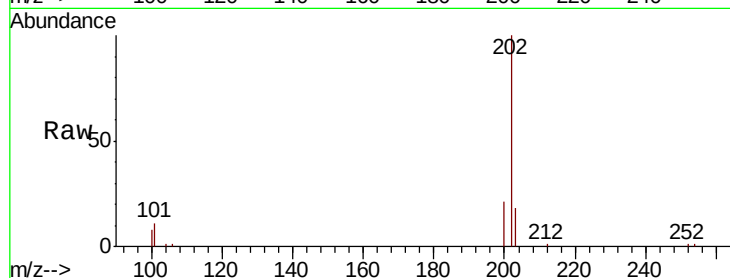
Tot Ion:202 Resp: 12547

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.6

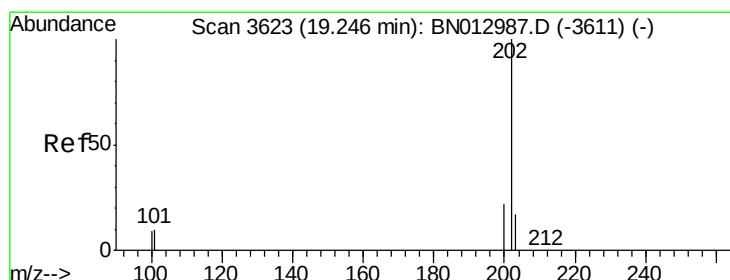
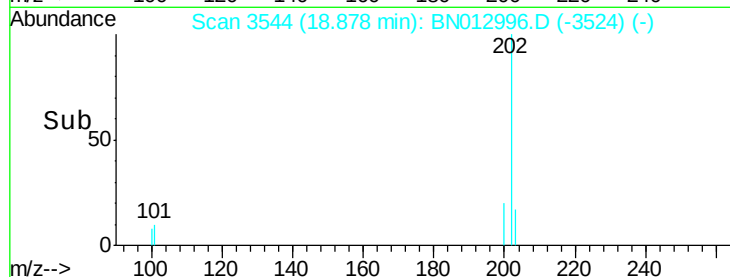
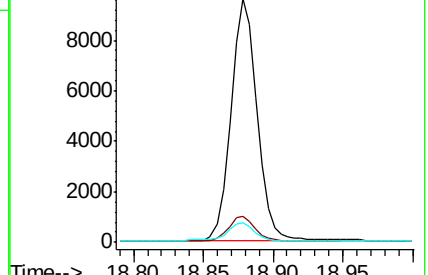
100 8.1 0.0 28.7



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: 0.717 ng/ul

RT: 19.25 min Scan# 3623

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

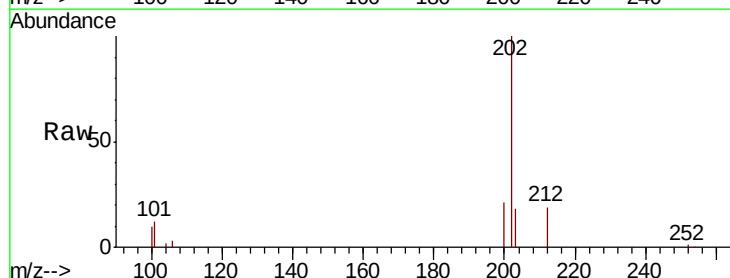
Tgt Ion:202 Resp: 13823

Ion Ratio Lower Upper

202 100

101 11.5 9.1 13.7

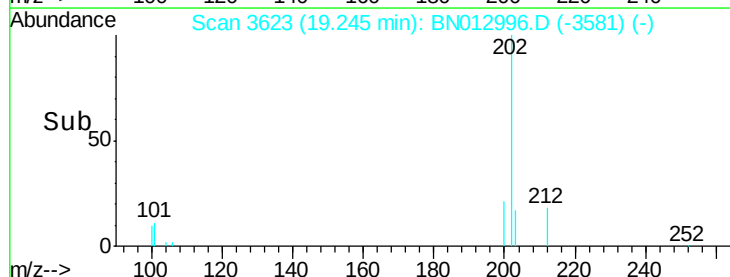
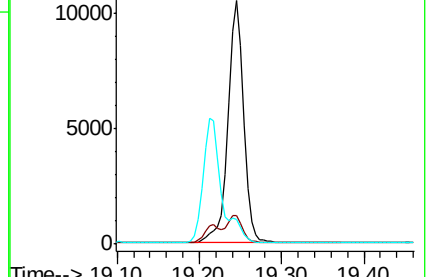
100 10.0 7.5 11.3

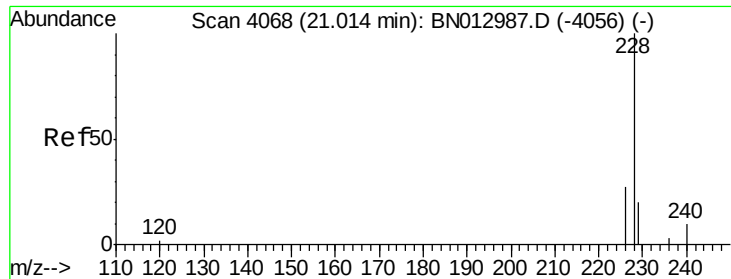


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.583 ng/ul

RT: 21.01 min Scan# 4067

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

Instrument :

BNA_N

ClientSampleId :

C0B78

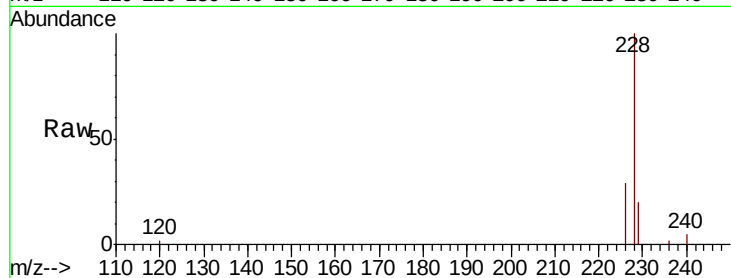
Tot Ion:228 Resp: 9841

Ion Ratio Lower Upper

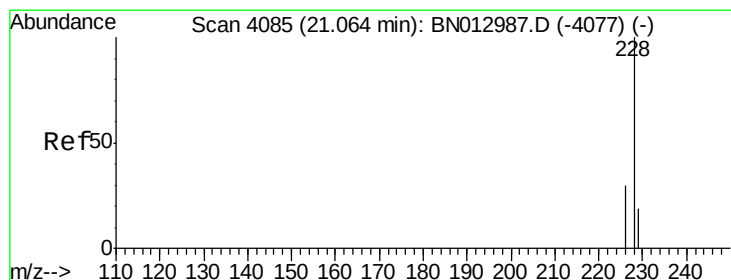
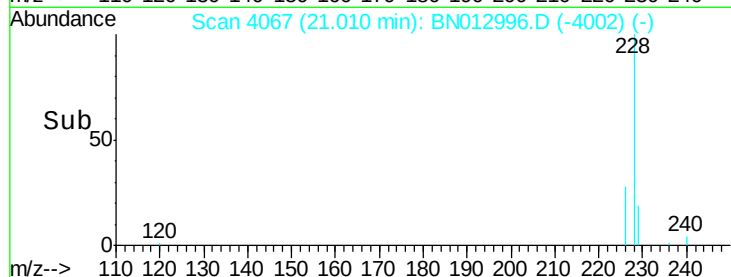
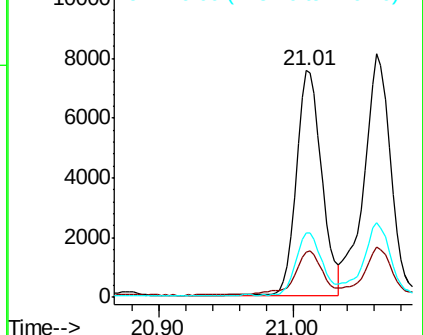
228 100

229 20.2 16.3 24.5

226 28.5 23.4 35.2



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: 0.605 ng/ul

RT: 21.06 min Scan# 4085

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

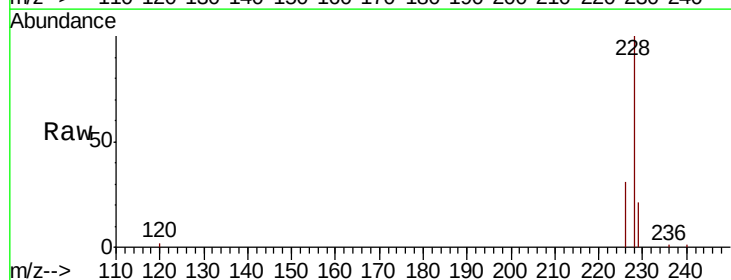
Tgt Ion:228 Resp: 11286

Ion Ratio Lower Upper

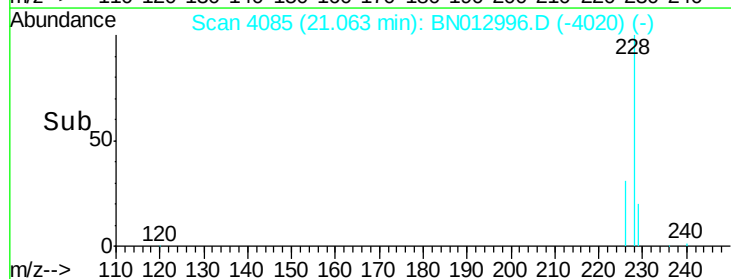
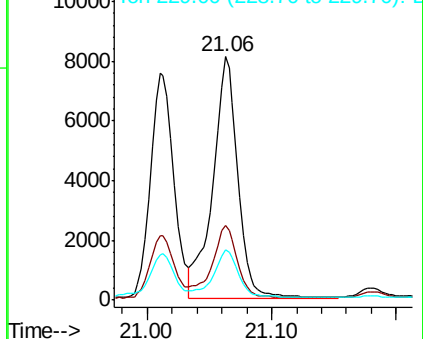
228 100

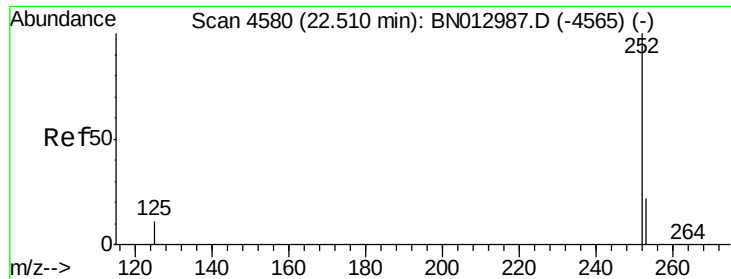
226 30.8 25.0 37.6

229 20.5 16.4 24.6



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: 0.773 ng/ul

RT: 22.51 min Scan# 4580

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

Instrument :

BNA_N

ClientSampleId :

C0B78

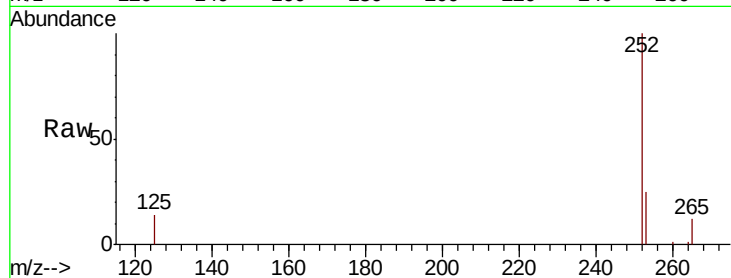
Tot Ion:252 Resp: 13654

Ion Ratio Lower Upper

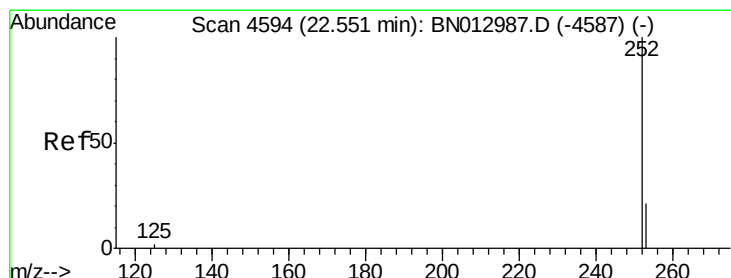
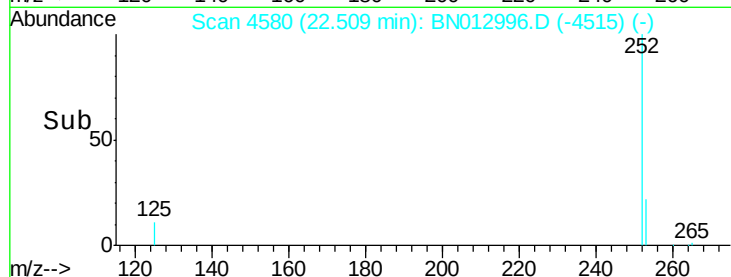
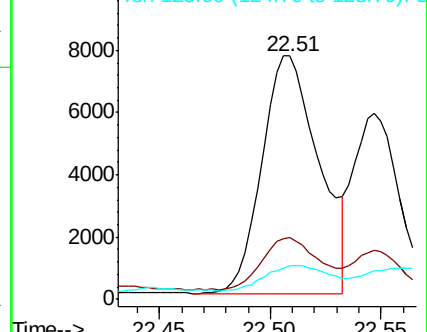
252 100

253 25.3 0.0 59.6

125 13.7 0.0 26.0



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: 0.436 ng/ul

RT: 22.55 min Scan# 4593

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

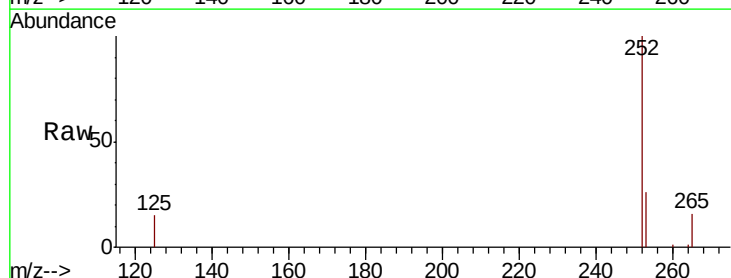
Tgt Ion:252 Resp: 8508

Ion Ratio Lower Upper

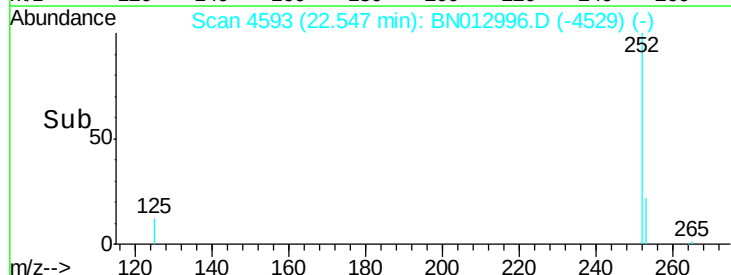
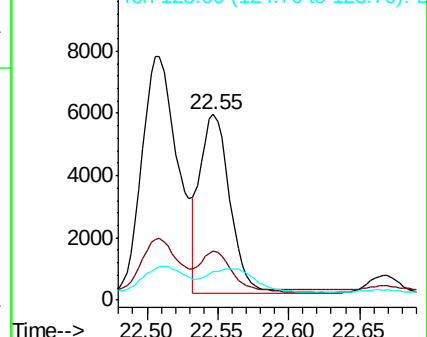
252 100

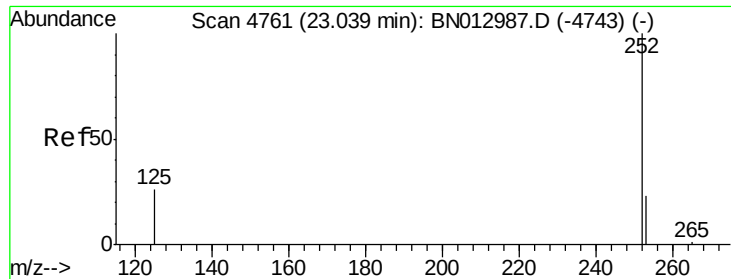
253 26.1 23.4 35.2

125 15.2 11.1 16.7



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: 0.548 ng/ul

RT: 23.04 min Scan# 4760

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

Instrument :

BNA_N

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C0B78

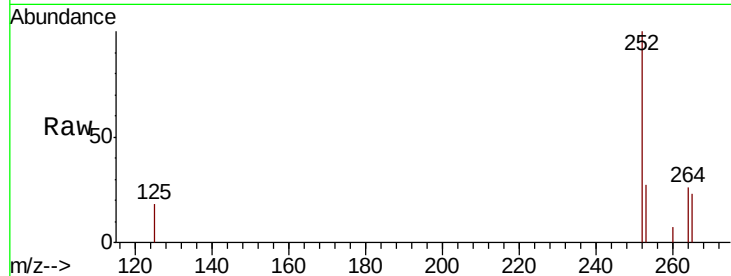
Tot Ion:252 Resp: 8976

Ion Ratio Lower Upper

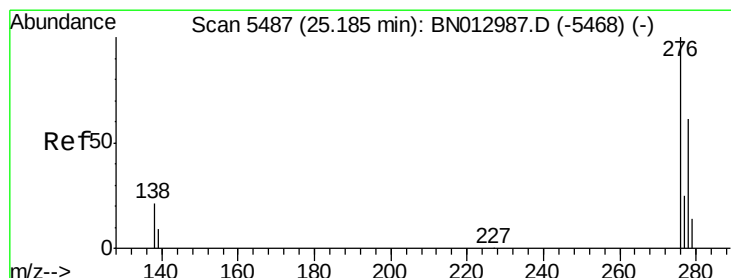
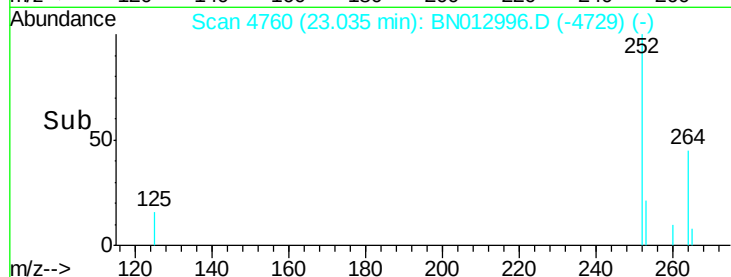
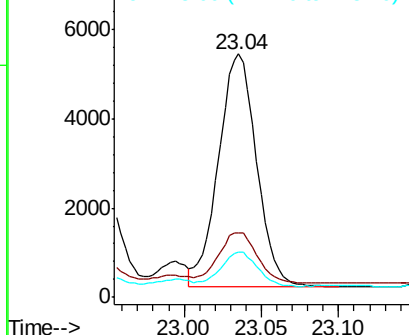
252 100

253 26.7 26.5 39.7

125 18.4 14.2 21.2



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: 0.392 ng/ul

RT: 25.18 min Scan# 5486

Delta R.T. -0.01 min

Lab File: BN012996.D

Acq: 09 Dec 2020 04:05

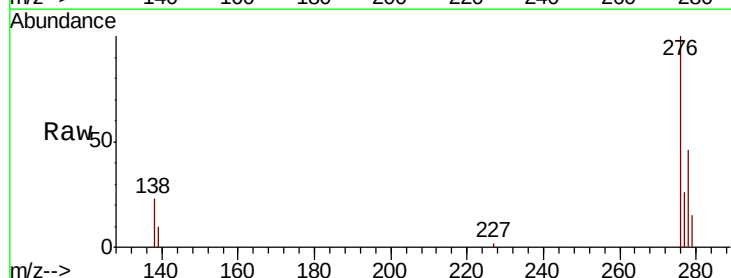
Tgt Ion:276 Resp: 8438

Ion Ratio Lower Upper

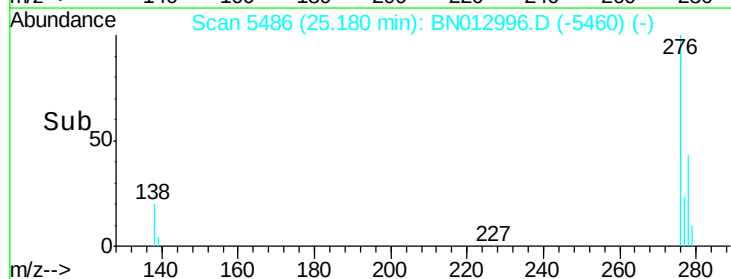
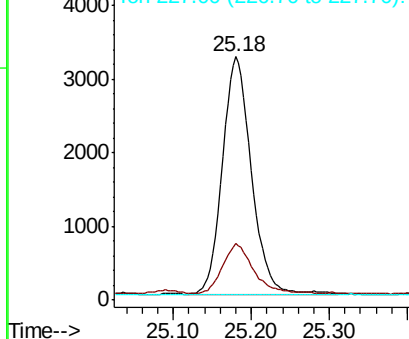
276 100

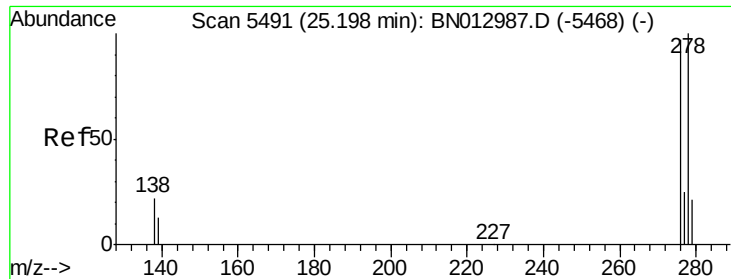
138 21.9 16.2 24.2

227 0.1 0.0 0.0#



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

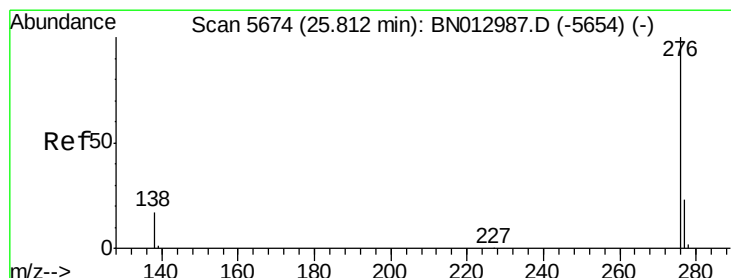
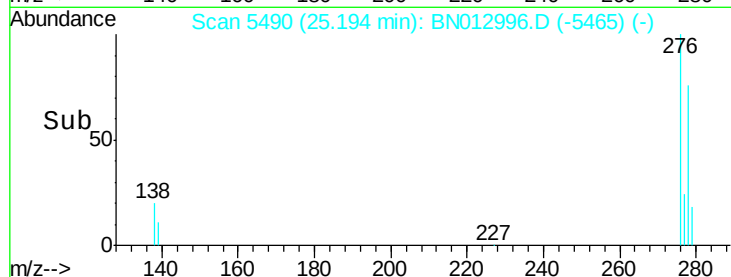
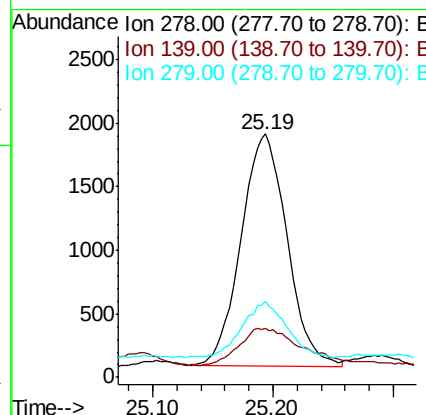
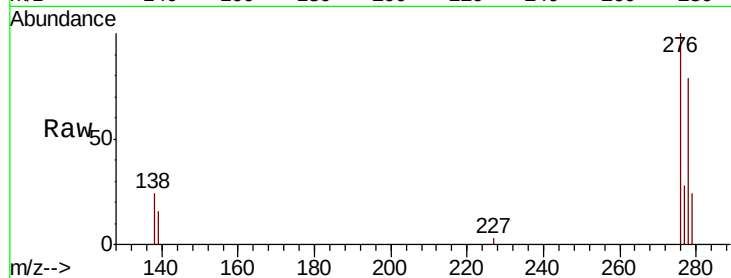




#25
Dibenzo(a,h)anthracene
Concen: 0.285 ng/ul
RT: 25.19 min Scan# 5490
Delta R.T. -0.01 min
Lab File: BN012996.D
Acq: 09 Dec 2020 04:05

Instrument :
BNA_N
ClientSampleId :
C0B78

Tot Ion:278 Resp: 4842
Ion Ratio Lower Upper
278 100
139 20.1 14.5 21.7
279 31.1 26.3 39.5



#26
Benzo(g,h,i)perylene
Concen: 0.363 ng/ul
RT: 25.81 min Scan# 5673
Delta R.T. -0.01 min
Lab File: BN012996.D
Acq: 09 Dec 2020 04:05

Tgt Ion:276 Resp: 7073
Ion Ratio Lower Upper
276 100
138 22.0 16.3 24.5
277 25.5 21.8 32.6

