

Data File : BN004105.D
Acq On : 19 Dec 2018 10:15
Operator : JU/SJ
Sample : J6271-05DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9F12DL

Quant Time: Dec 20 04:44:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 04:42:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1179	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	6055	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	3881	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	10282	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	11298	0.40	ng/ul	0.00
20) Perylene-d12	23.72	264	11052	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	511	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	1584	0.05	ng/ul	0.00

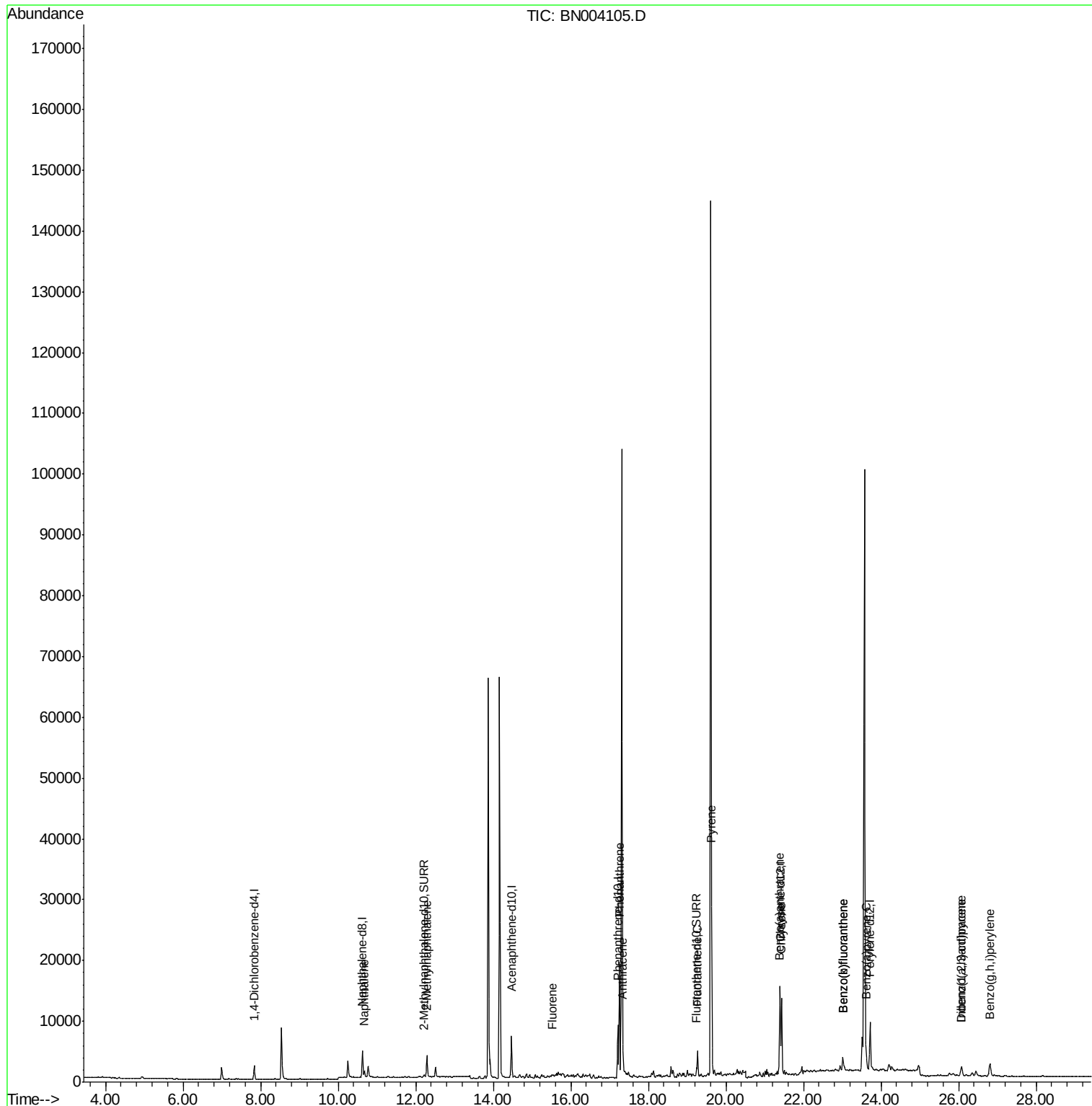
Target Compounds				Qvalue		
3) Naphthalene	10.68	128	1489	0.088	ng/ul#	85
5) 2-Methylnaphthalene	12.29	142	2801	0.236	ng/ul	100
9) Fluorene	15.52	166	362	0.020	ng/ul#	83
12) Phenanthrene	17.25	178	20454	0.606	ng/ul	99
13) Anthracene	17.35	178	1525	0.055	ng/ul#	88
15) Fluoranthene	19.27	202	3647	0.092	ng/ul	90
17) Pyrene	19.63	202	20821	0.514	ng/ul#	93
18) Benzo(a)anthracene	21.38	228	6249	0.175	ng/ul#	87
19) Chrysene	21.44	228	12645	0.310	ng/ul#	95
21) Benzo(b)fluoranthene	23.01	252	4043	0.088	ng/ul#	66
22) Benzo(k)fluoranthene	23.01	252	4069	0.091	ng/ul#	66
23) Benzo(a)pyrene	23.62	252	3989	0.101	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	26.08	276	1894	0.042	ng/ul	95
25) Dibenzo(a,h)anthracene	26.08	278	1326	0.036	ng/ul#	24
26) Benzo(g,h,i)perylene	26.81	276	4344	0.110	ng/ul#	84

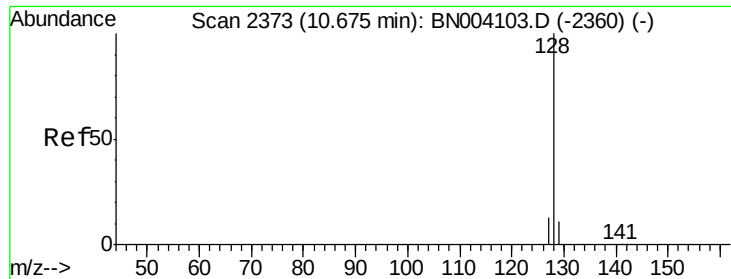
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 04:44:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN11918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 20 04:42:11 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.088 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

Instrument :

BNA_N

ClientSampleId :

F9F12DL

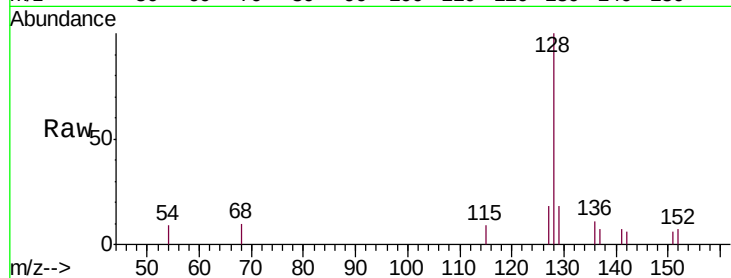
Tgt Ion:128 Resp: 1489

Ion Ratio Lower Upper

128 100

129 18.1 9.0 13.6#

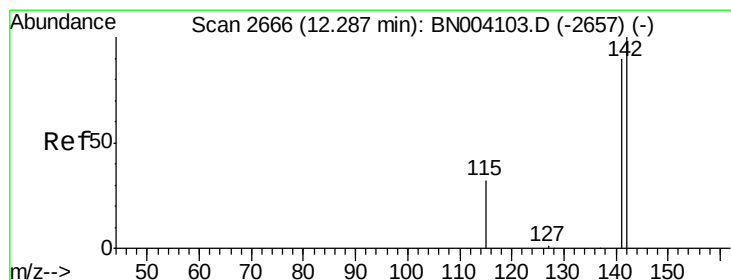
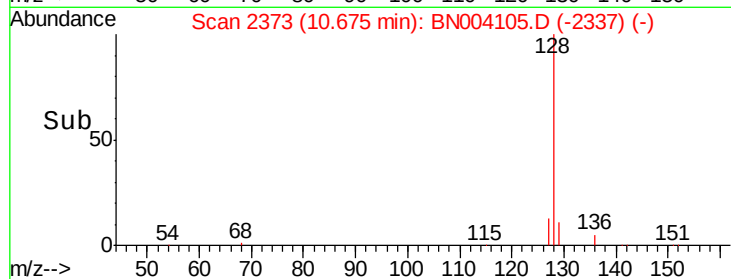
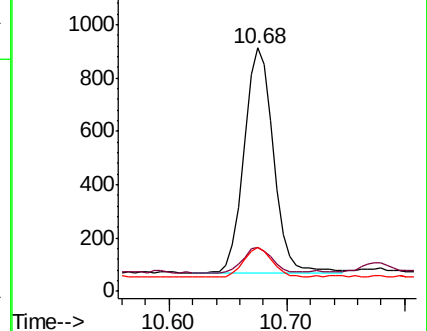
127 18.1 10.5 15.7#



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: 0.236 ng/ul

RT: 12.29 min Scan# 2666

Delta R.T. -0.00 min

Lab File: BN004105.D

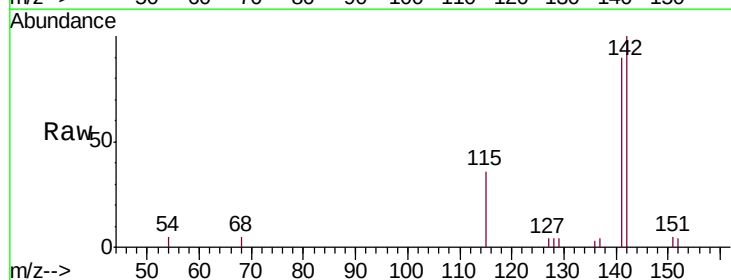
Acq: 19 Dec 2018 10:15

Tgt Ion:142 Resp: 2801

Ion Ratio Lower Upper

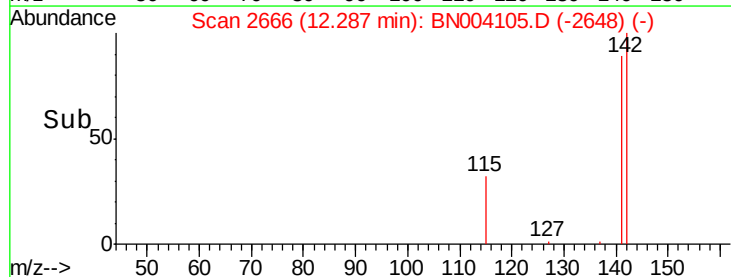
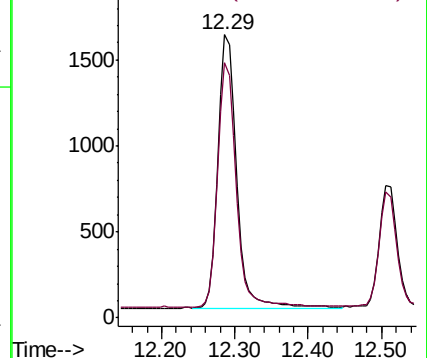
142 100

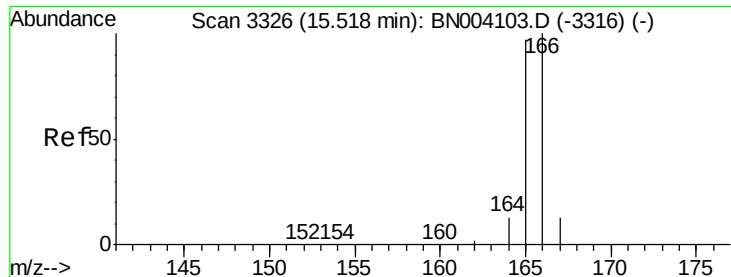
141 88.9 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Fluorene

Concen: 0.020 ng/ul

RT: 15.52 min Scan# 3326

Delta R.T. -0.00 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

Instrument :

BNA_N

ClientSampleId :

F9F12DL

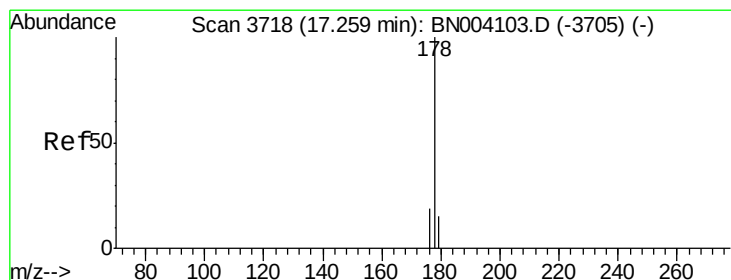
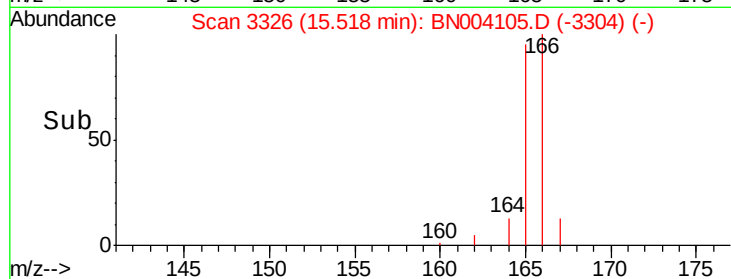
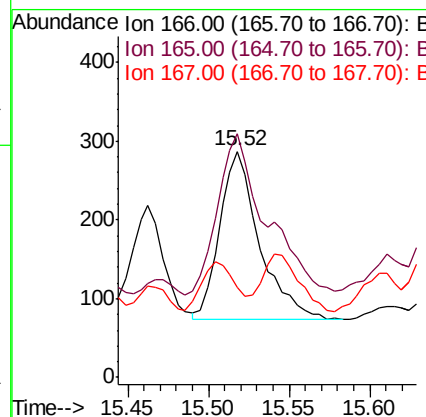
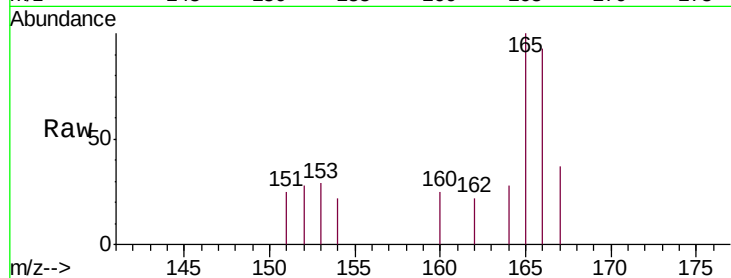
Tgt Ion:166 Resp: 362

Ion Ratio Lower Upper

166 100

165 107.7 78.3 117.5

167 40.1 11.3 16.9#



#12

Phenanthrene

Concen: 0.606 ng/ul

RT: 17.25 min Scan# 3717

Delta R.T. -0.00 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

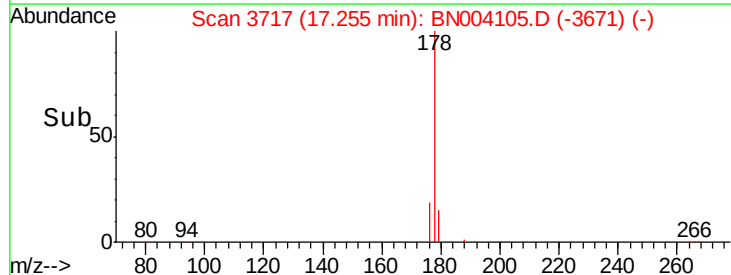
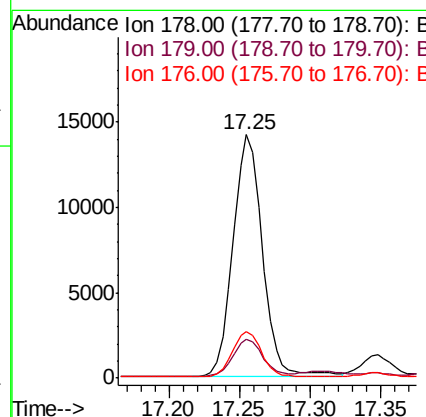
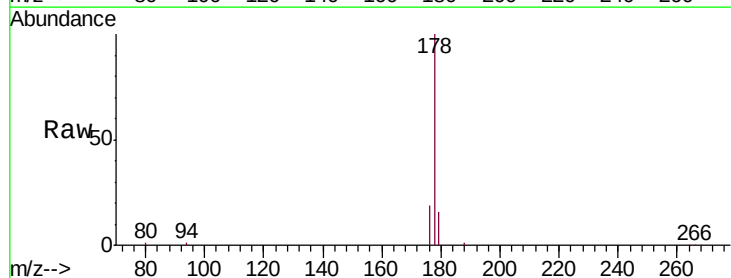
Tgt Ion:178 Resp: 20454

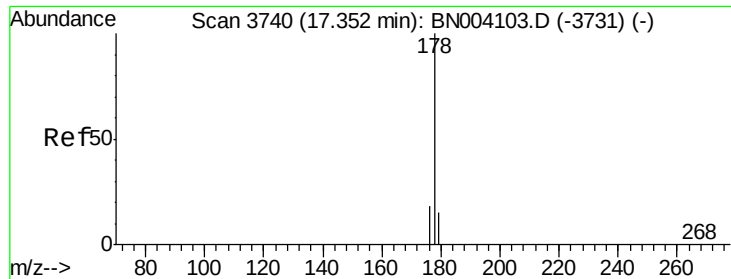
Ion Ratio Lower Upper

178 100

179 16.0 12.5 18.7

176 19.1 15.0 22.4





#13

Anthracene

Concen: 0.055 ng/ul

RT: 17.35 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

Instrument :

BNA_N

ClientSampleId :

F9F12DL

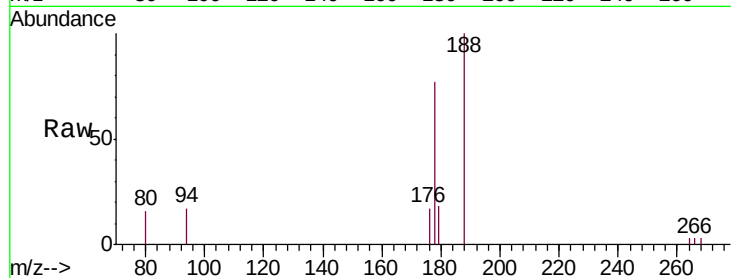
Tgt Ion:178 Resp: 1525

Ion Ratio Lower Upper

178 100

179 22.8 12.3 18.5#

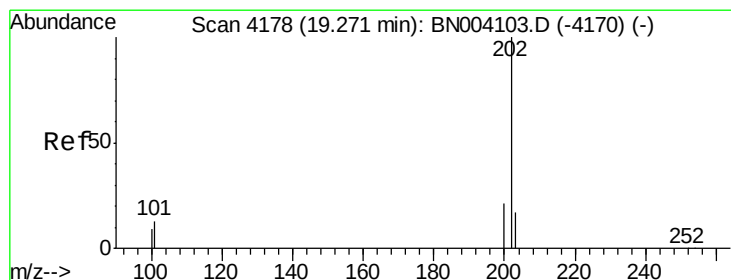
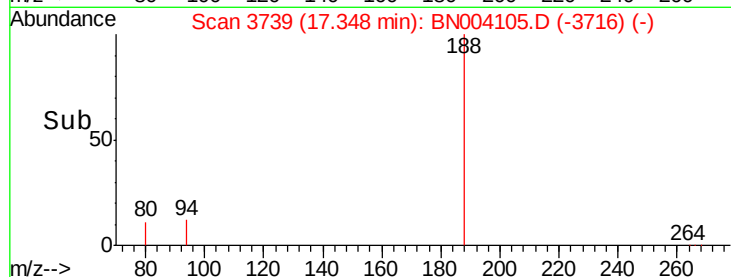
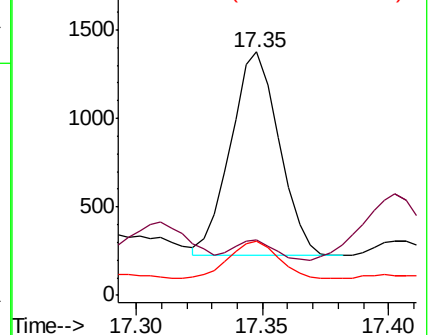
176 22.0 14.8 22.2



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: 0.092 ng/ul

RT: 19.27 min Scan# 4178

Delta R.T. -0.00 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

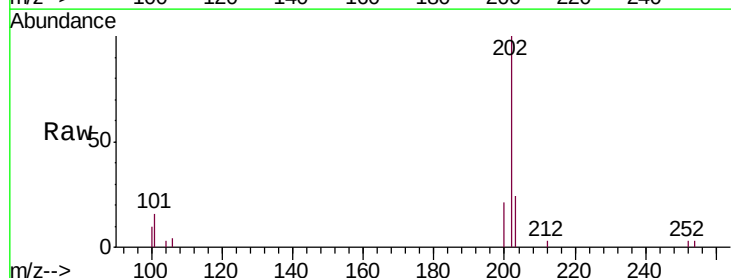
Tgt Ion:202 Resp: 3647

Ion Ratio Lower Upper

202 100

101 15.6 0.0 30.7

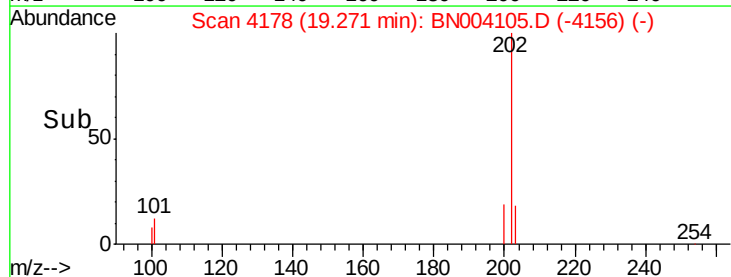
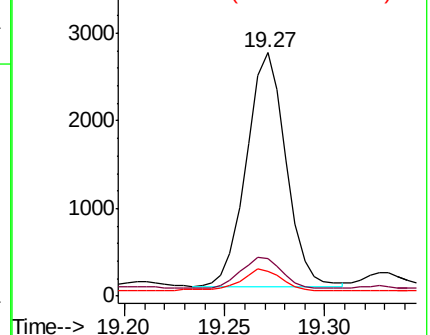
100 10.4 0.0 28.1

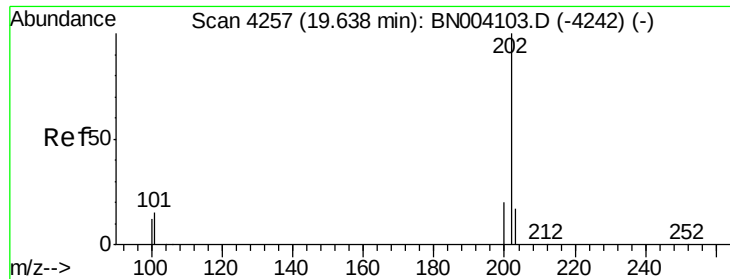


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pyrene

Concen: 0.514 ng/ul

RT: 19.63 min Scan# 4256

Delta R.T. -0.00 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

Instrument :

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ClientSampleId :

F9F12DL

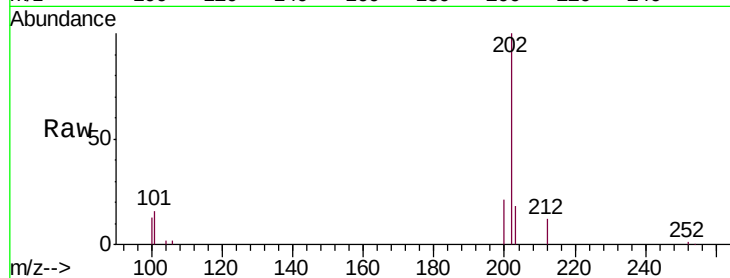
Tgt Ion:202 Resp: 20821

Ion Ratio Lower Upper

202 100

101 15.9 10.3 15.5#

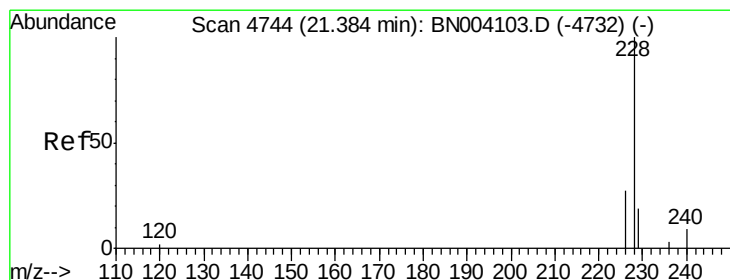
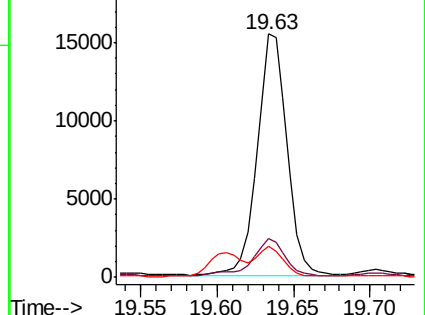
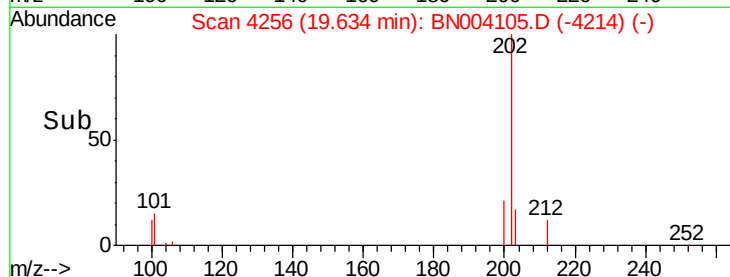
100 12.7 8.5 12.7



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



#18

Benzo(a)anthracene

Concen: 0.175 ng/ul

RT: 21.38 min Scan# 4743

Delta R.T. -0.00 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

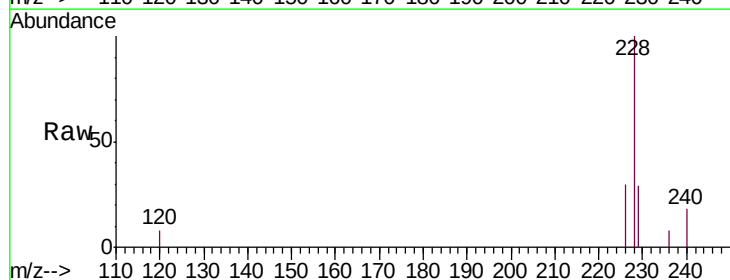
Tgt Ion:228 Resp: 6249

Ion Ratio Lower Upper

228 100

229 28.9 15.6 23.4#

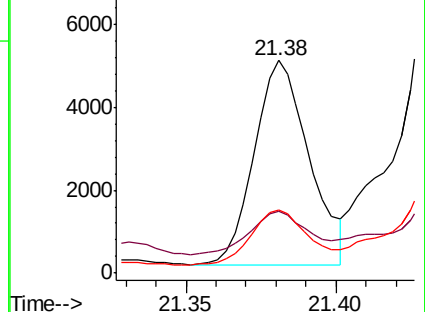
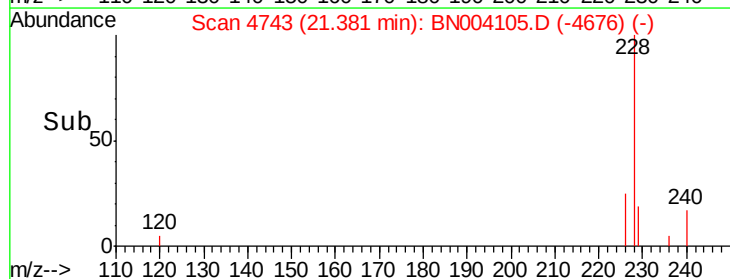
226 29.9 21.1 31.7

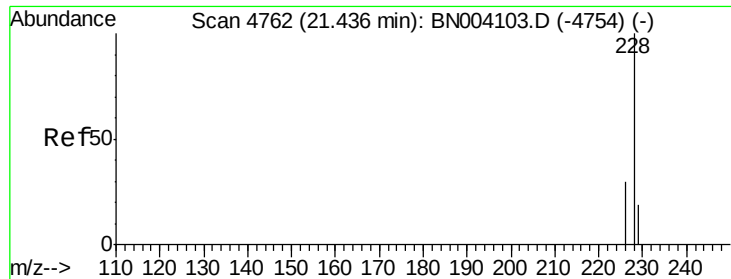


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.310 ng/ul

RT: 21.44 min Scan# 4762

Delta R.T. -0.00 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

Instrument :

BNA_N

ClientSampleId :

F9F12DL

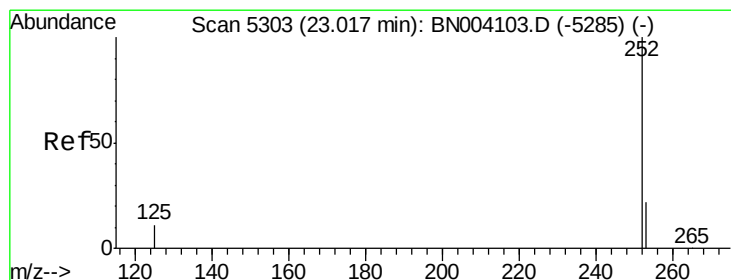
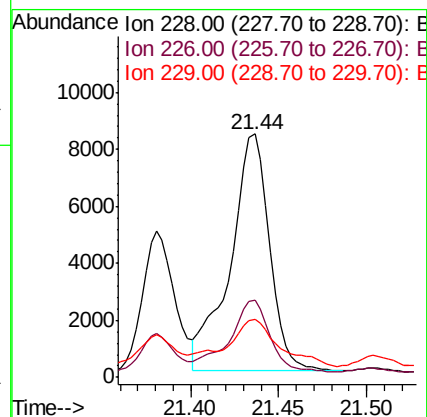
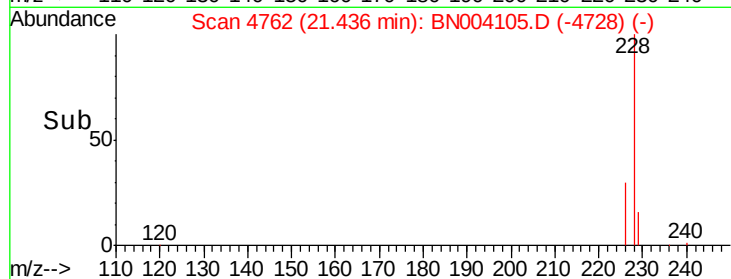
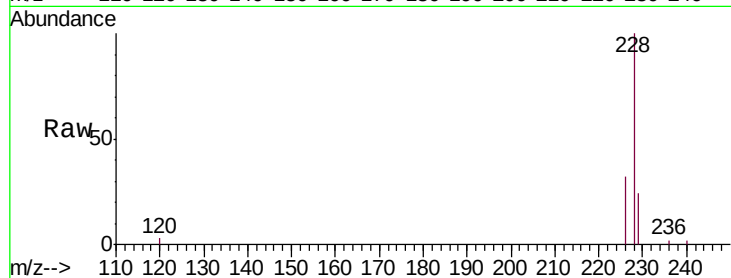
Tgt Ion:228 Resp: 12645

Ion Ratio Lower Upper

228 100

226 31.6 24.0 36.0

229 23.7 15.7 23.5#



#21

Benzo(b)fluoranthene

Concen: 0.088 ng/ul

RT: 23.01 min Scan# 5302

Delta R.T. -0.00 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

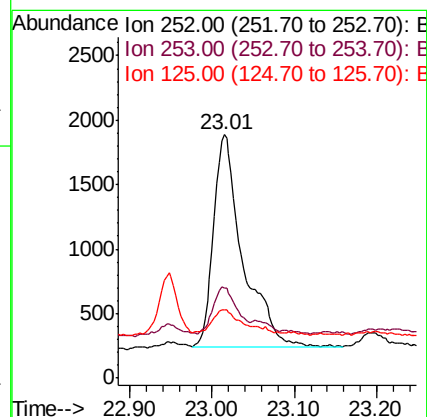
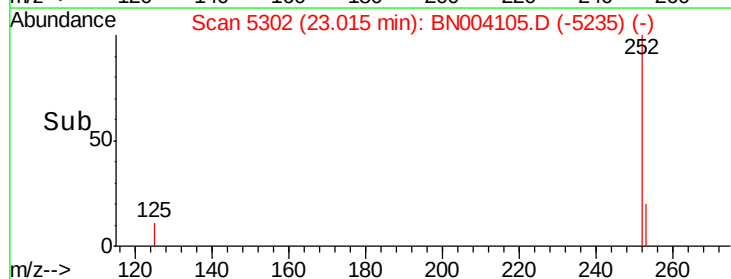
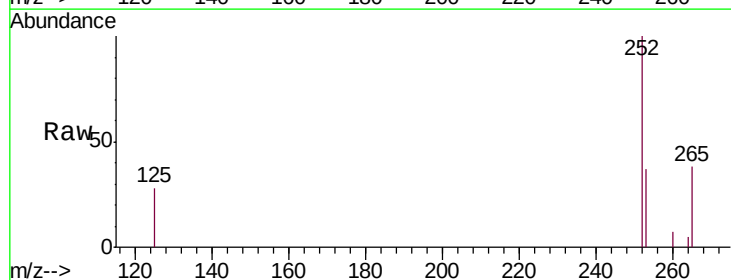
Tgt Ion:252 Resp: 4043

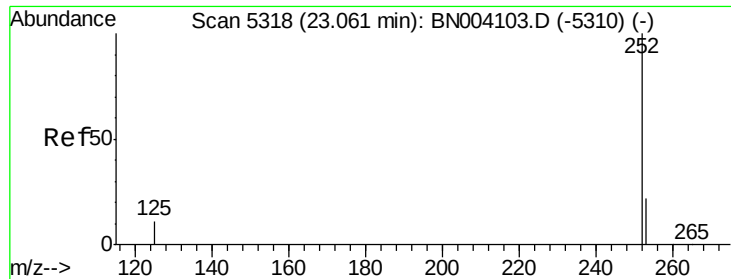
Ion Ratio Lower Upper

252 100

253 37.2 0.0 46.0

125 27.8 0.0 22.4#





#22

Benzo(k)fluoranthene

Concen: 0.091 ng/ul

RT: 23.01 min Scan# 5302

Delta R.T. -0.05 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

Instrument :

BNA_N

ClientSampleId :

F9F12DL

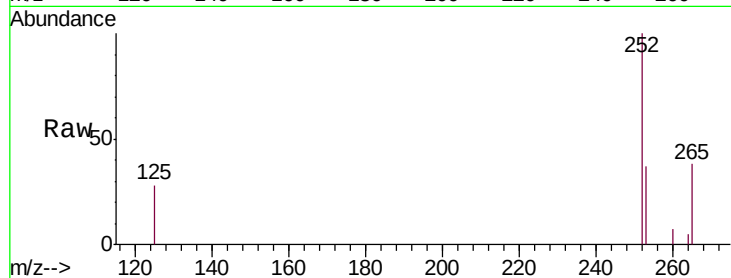
Tgt Ion:252 Resp: 4069

Ion Ratio Lower Upper

252 100

253 37.2 18.5 27.7#

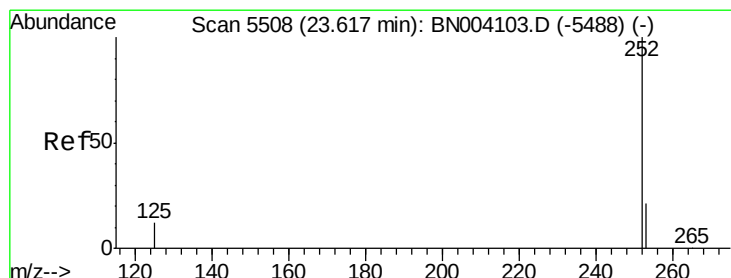
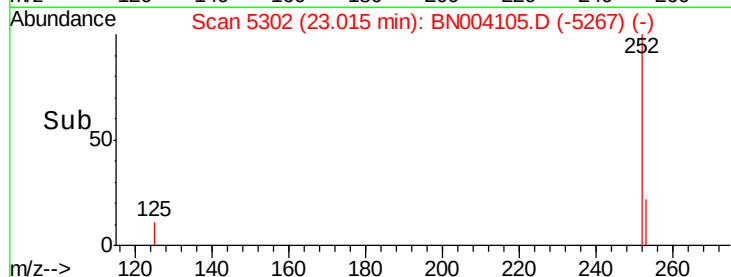
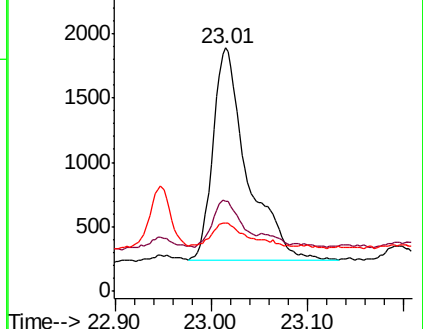
125 27.8 9.0 13.6#



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: 0.101 ng/ul

RT: 23.62 min Scan# 5508

Delta R.T. -0.00 min

Lab File: BN004105.D

Acq: 19 Dec 2018 10:15

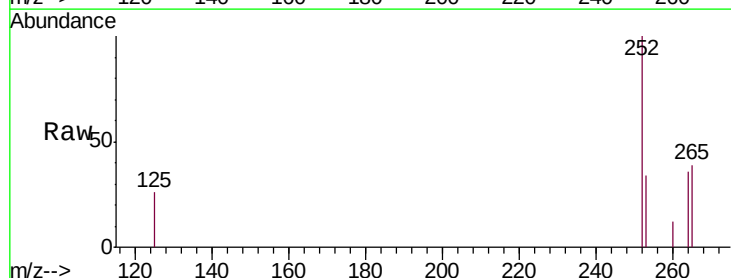
Tgt Ion:252 Resp: 3989

Ion Ratio Lower Upper

252 100

253 34.2 19.0 28.4#

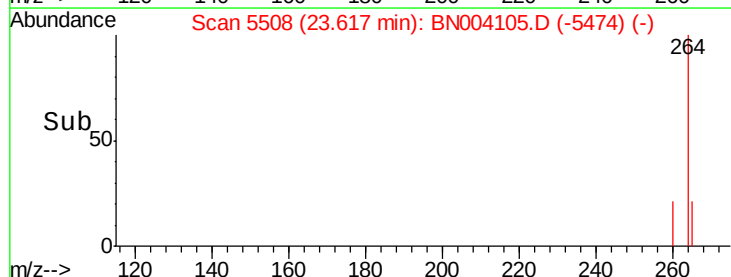
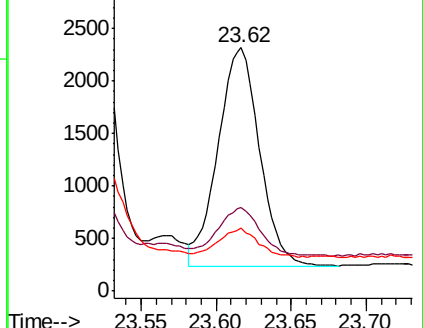
125 25.7 10.2 15.4#

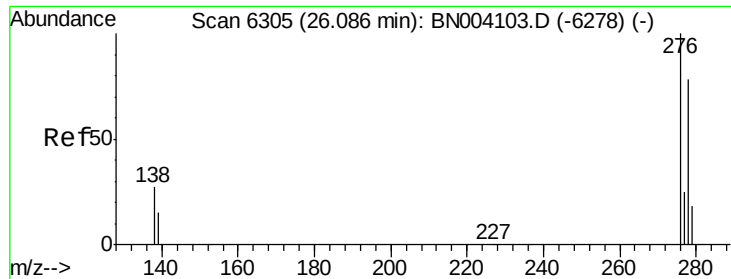


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

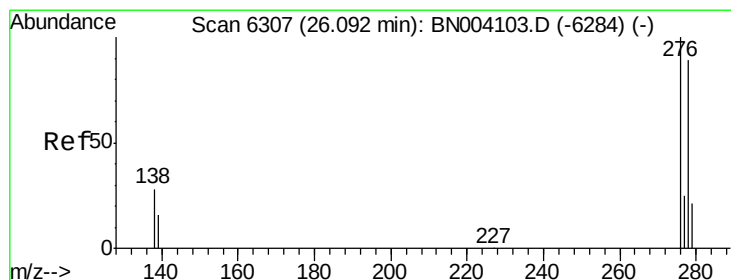
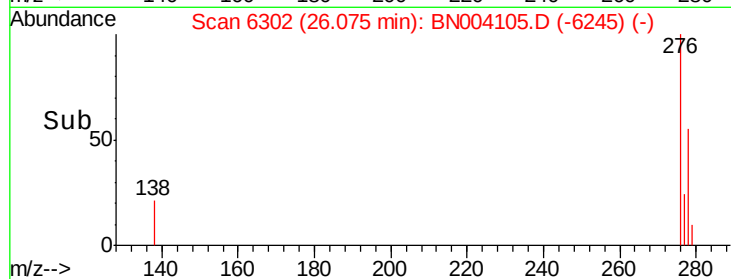
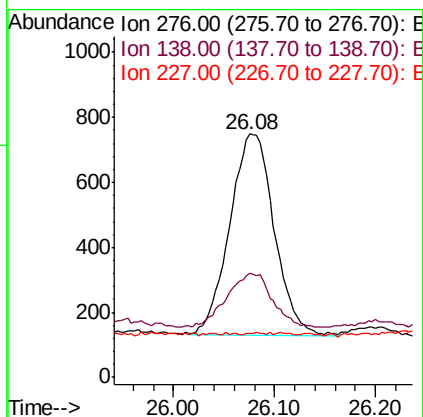
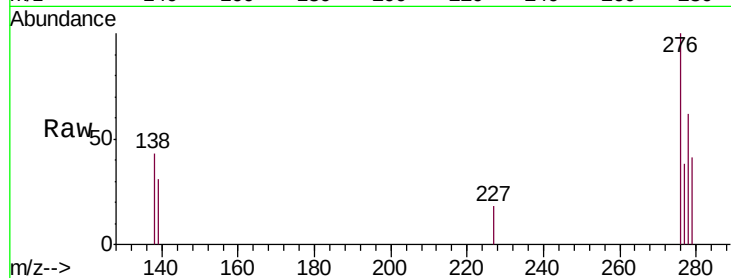




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.042 ng/ul
 RT: 26.08 min Scan# 6302
 Delta R.T. -0.01 min
 Lab File: BN004105.D
 Acq: 19 Dec 2018 10:15

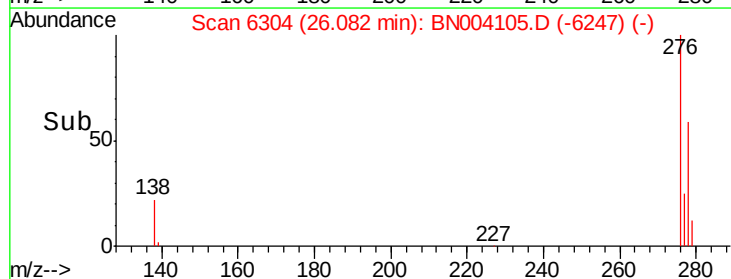
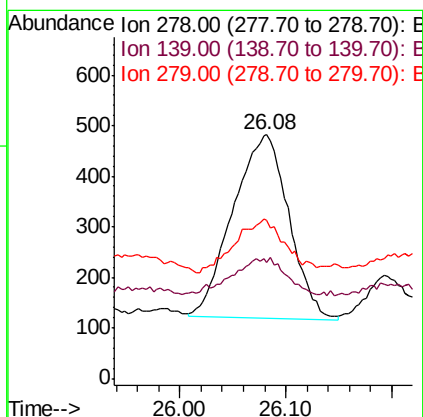
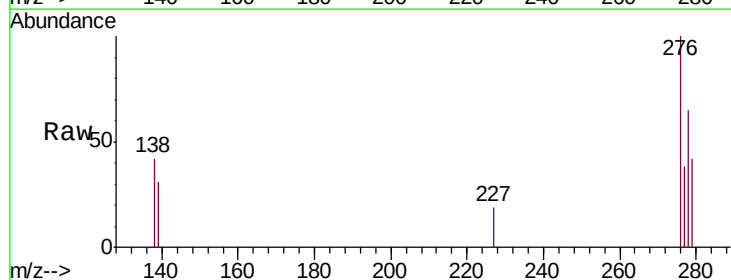
Instrument :
 BNA_N
 ClientSampleId :
 F9F12DL

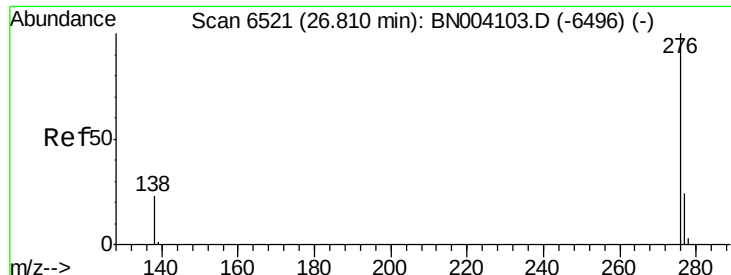
Tgt Ion: 276 Resp: 1894
 Ion Ratio Lower Upper
 276 100
 138 28.0 20.3 30.5
 227 0.2 0.2 0.2



#25
 Dibenzo(a,h)anthracene
 Concen: 0.036 ng/ul
 RT: 26.08 min Scan# 6304
 Delta R.T. -0.01 min
 Lab File: BN004105.D
 Acq: 19 Dec 2018 10:15

Tgt Ion: 278 Resp: 1326
 Ion Ratio Lower Upper
 278 100
 139 47.7 14.2 21.4#
 279 65.1 19.8 29.6#





#26

Benzo(g,h,i)perylene

Concen: 0.110 ng/ul

RT: 26.81 min Scan# 6521

Delta R.T. -0.00 min

Lab File: BN004105.D

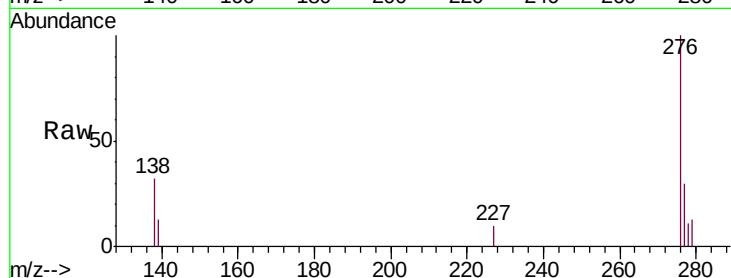
Acq: 19 Dec 2018 10:15

Instrument :

BNA_N

ClientSampleId :

F9F12DL



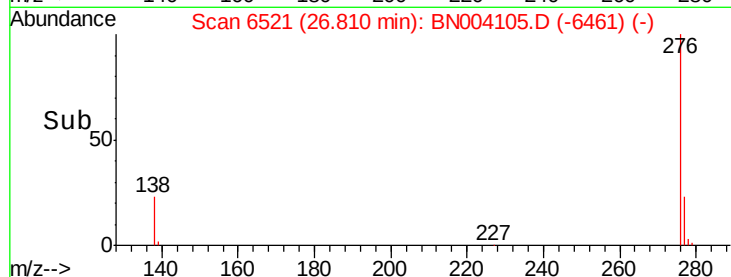
Tgt Ion: 276 Resp: 4344

Ion Ratio Lower Upper

276 100

138 31.6 17.7 26.5#

277 30.2 19.3 28.9#



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

