

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050719\
 Data File : BN005525.D
 Acq On : 07 May 2019 20:27
 Operator : JU/SJ
 Sample : K2403-01DL 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5101DL

Quant Time: May 08 02:06:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 07 07:04:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2279	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.36	136	9007	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.23	164	5197	0.40	ng/ul	-0.02
10) Phenanthrene-d10	16.98	188	11500	0.40	ng/ul	-0.02
16) Chrysene-d12	21.21	240	8641	0.40	ng/ul	-0.01
20) Perylene-d12	23.41	264	9153	0.40	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.98	152	408	0.03	ng/ul	-0.01
14) Fluoranthene-d10	19.03	212	1114	0.03	ng/ul	-0.01

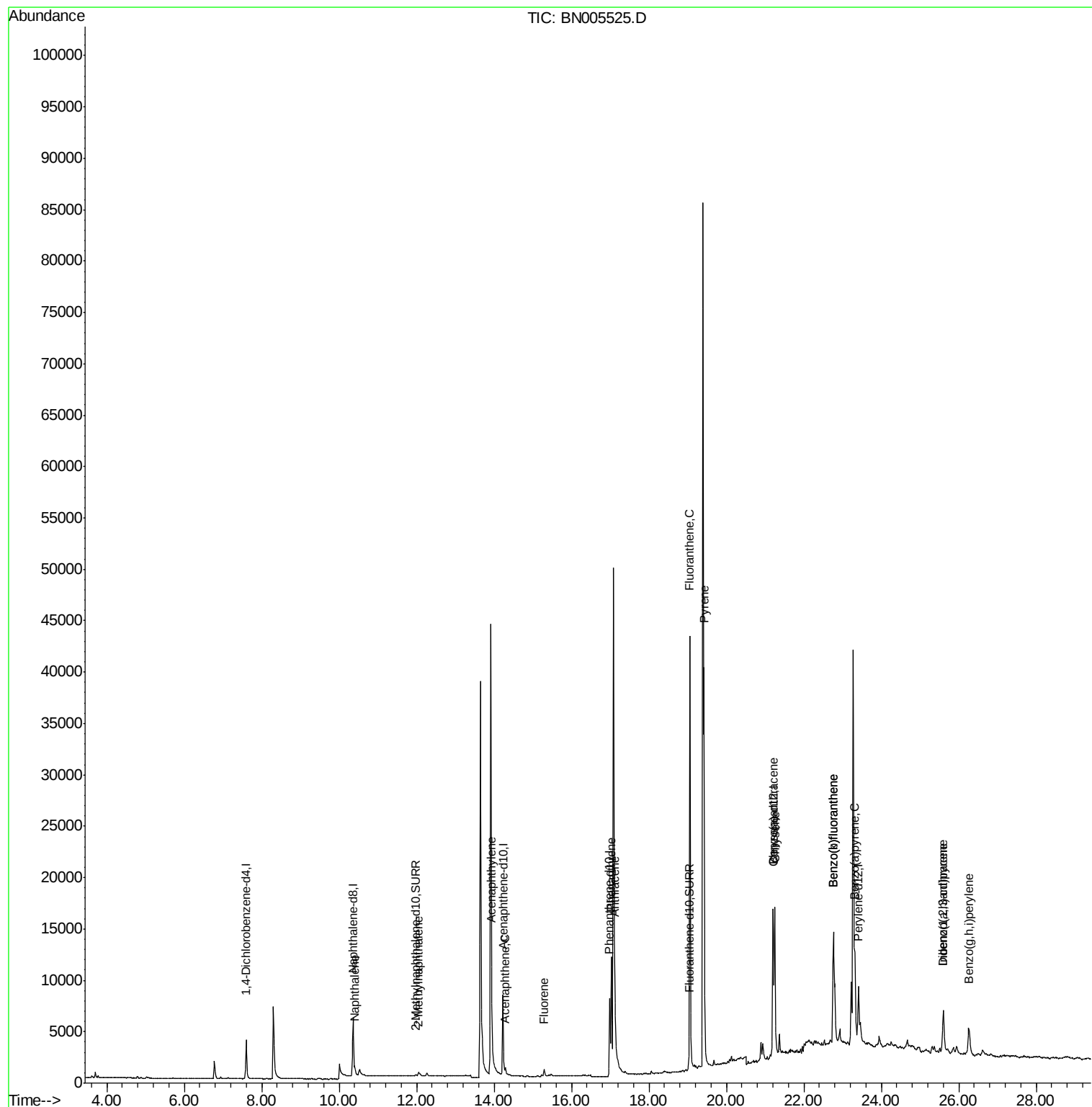
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.41	128	1217	0.051	ng/ul#	85
5) 2-Methylnaphthalene	12.05	142	592	0.036	ng/ul	97
7) Acenaphthylene	13.95	152	600	0.023	ng/ul#	77
8) Acenaphthene	14.29	153	381	0.021	ng/ul	95
9) Fluorene	15.29	166	643	0.030	ng/ul#	94
12) Phenanthrene	17.03	178	15521	0.495	ng/ul	100
13) Anthracene	17.12	178	2933	0.094	ng/ul#	89
15) Fluoranthene	19.05	202	41861	0.965	ng/ul	99
17) Pyrene	19.42	202	33292	1.043	ng/ul	100
18) Benzo(a)anthracene	21.20	228	13885	0.466	ng/ul#	89
19) Chrysene	21.25	228	15554	0.425	ng/ul#	90
21) Benzo(b)fluoranthene	22.76	252	25724	0.935	ng/ul#	80
22) Benzo(k)fluoranthene	22.76	252	25724	0.746	ng/ul#	79
23) Benzo(a)pyrene	23.32	252	10743	0.349	ng/ul#	70
24) Indeno(1,2,3-cd)pyrene	25.60	276	8178	0.238	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.61	278	1911	0.067	ng/ul#	8
26) Benzo(g,h,i)perylene	26.26	276	6225	0.212	ng/ul#	76

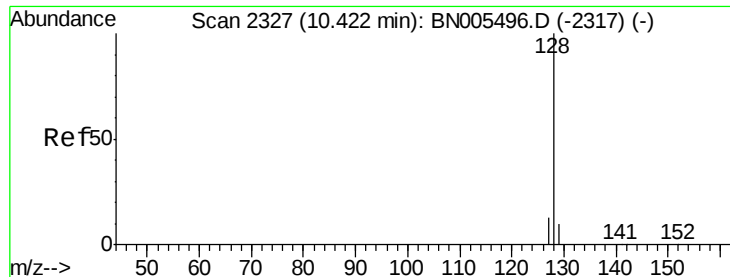
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.051 ng/ul

RT: 10.41 min Scan# 2324

Delta R.T. -0.02 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

Instrument :

BNA_N

ClientSampleId :

A5101DL

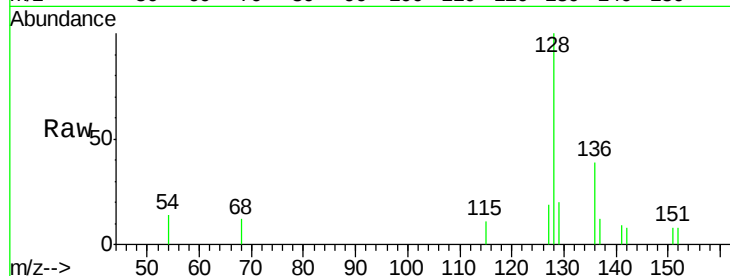
Tgt Ion:128 Resp: 1217

Ion Ratio Lower Upper

128 100

129 20.1 10.2 15.2#

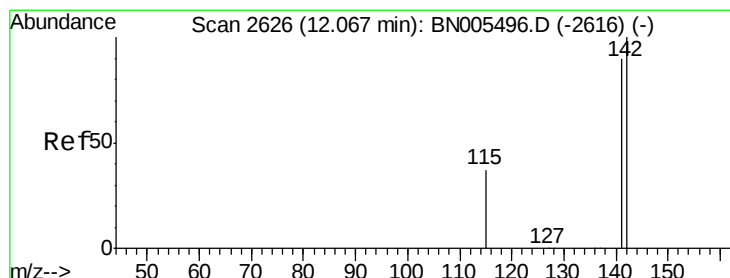
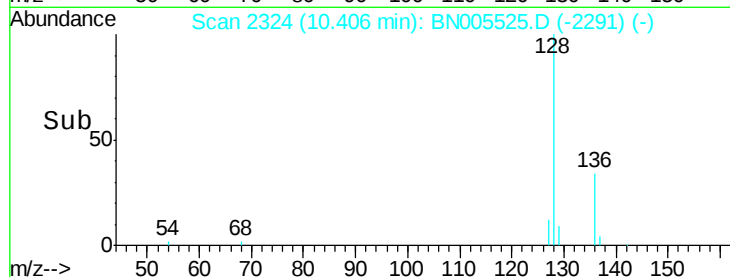
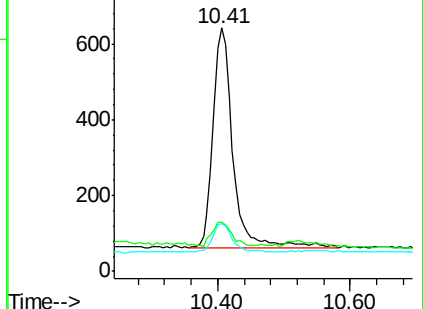
127 19.5 11.8 17.8#



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: 0.036 ng/ul

RT: 12.05 min Scan# 2623

Delta R.T. -0.02 min

Lab File: BN005525.D

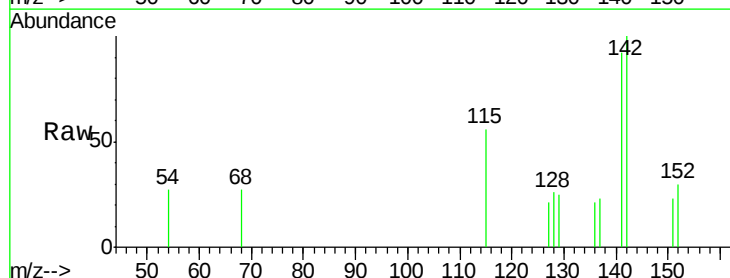
Acq: 07 May 2019 20:27

Tgt Ion:142 Resp: 592

Ion Ratio Lower Upper

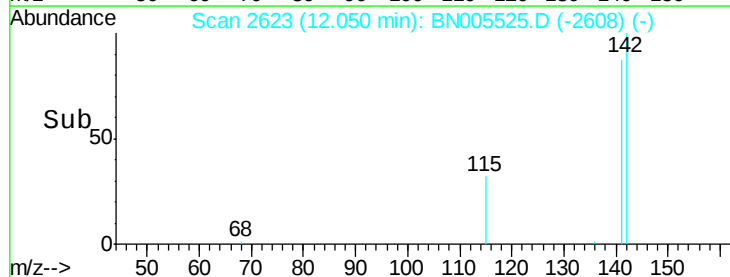
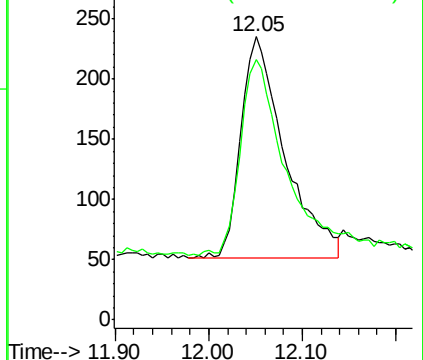
142 100

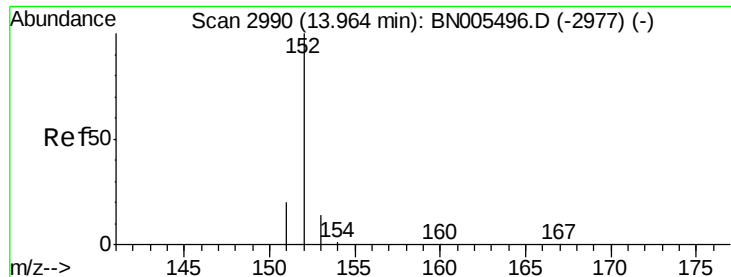
141 93.2 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.023 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. -0.02 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

Instrument :

BNA_N

ClientSampleId :

A5101DL

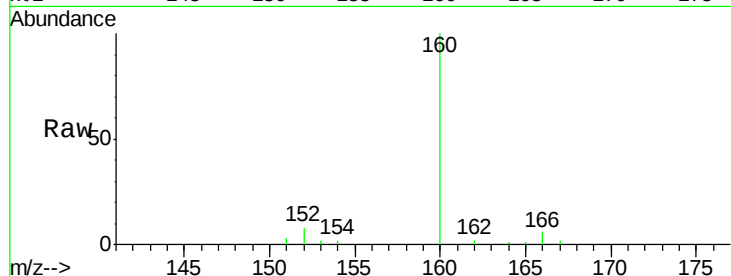
Tgt Ion:152 Resp: 600

Ion Ratio Lower Upper

152 100

151 30.6 16.7 25.1#

153 24.8 11.6 17.4#



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

13.95

400

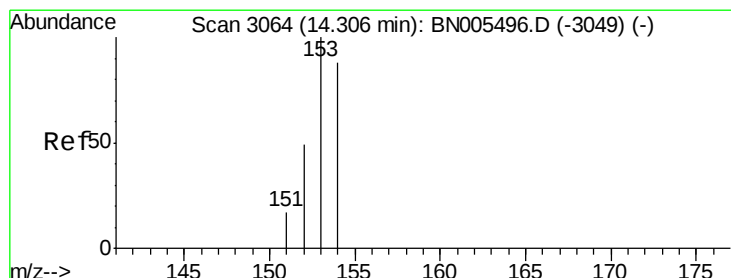
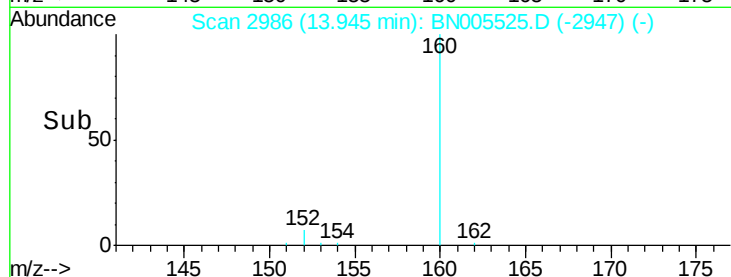
300

200

100

0

Time-->



#8

Acenaphthene

Concen: 0.021 ng/ul

RT: 14.29 min Scan# 3061

Delta R.T. -0.01 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

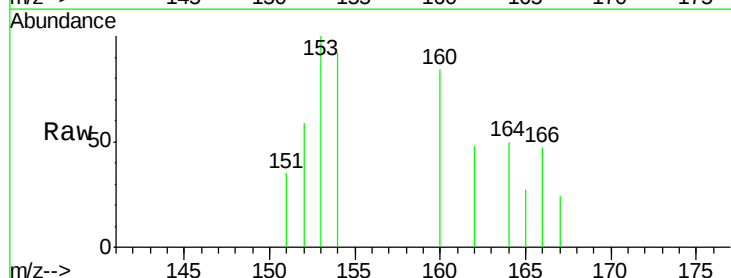
Tgt Ion:153 Resp: 381

Ion Ratio Lower Upper

153 100

152 59.3 40.8 61.2

154 92.2 73.2 109.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

14.29

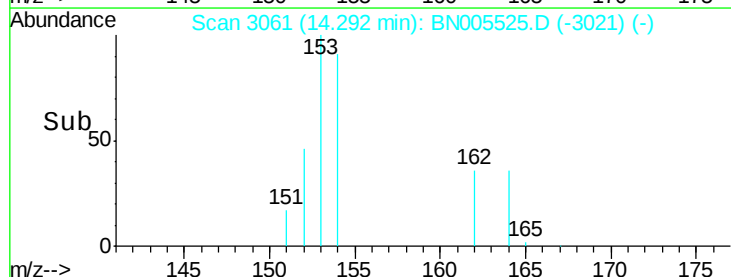
300

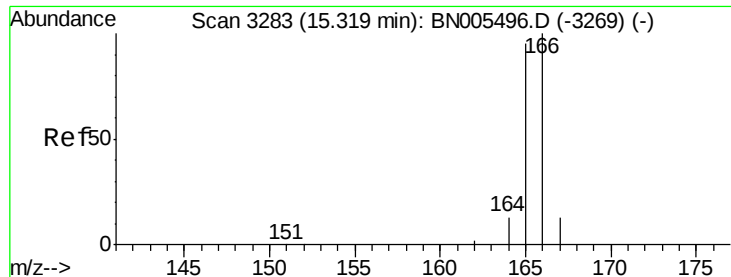
200

100

0

Time-->





#9

Fluorene

Concen: 0.030 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. -0.03 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

Instrument :

BNA_N

ClientSampleId :

A5101DL

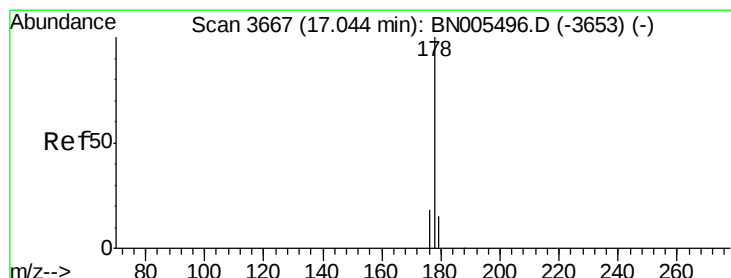
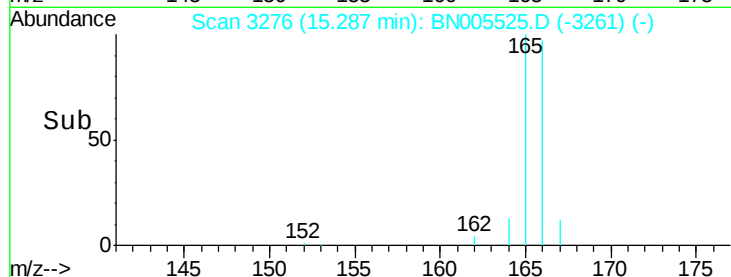
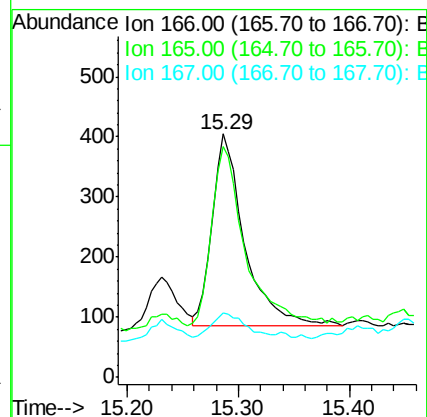
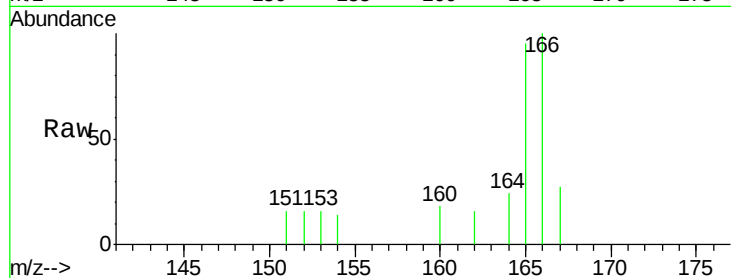
Tgt Ion:166 Resp: 643

Ion Ratio Lower Upper

166 100

165 95.1 78.0 117.0

167 26.7 12.2 18.4#



#12

Phenanthrene

Concen: 0.495 ng/ul

RT: 17.03 min Scan# 3663

Delta R.T. -0.02 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

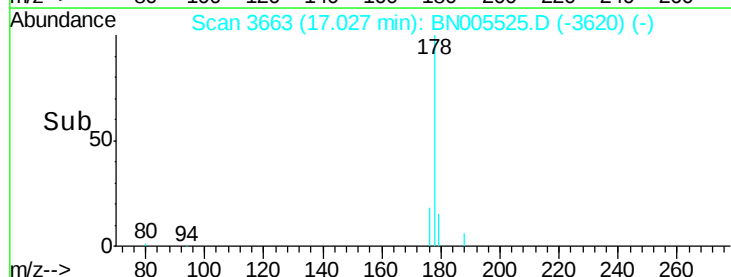
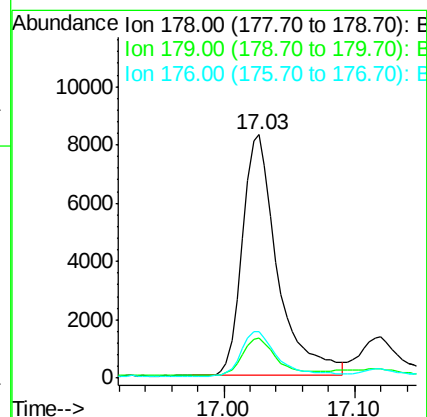
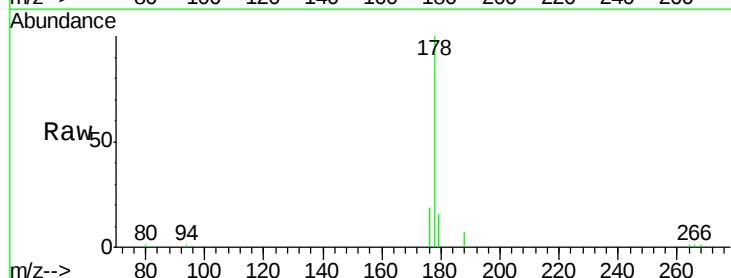
Tgt Ion:178 Resp: 15521

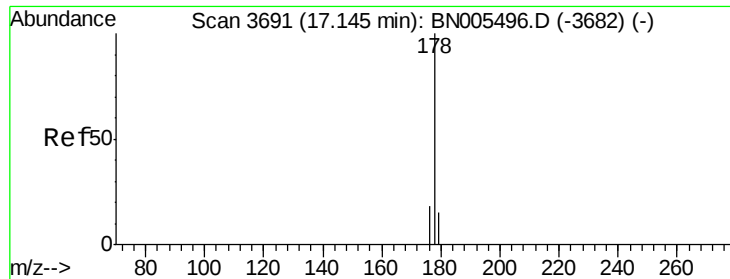
Ion Ratio Lower Upper

178 100

179 16.3 12.8 19.2

176 19.1 15.3 22.9





#13

Anthracene

Concen: 0.094 ng/ul

RT: 17.12 min Scan# 3685

Delta R.T. -0.03 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

Instrument :

BNA_N

ClientSampleId :

A5101DL

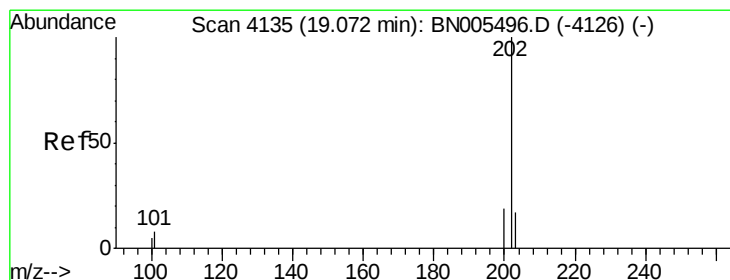
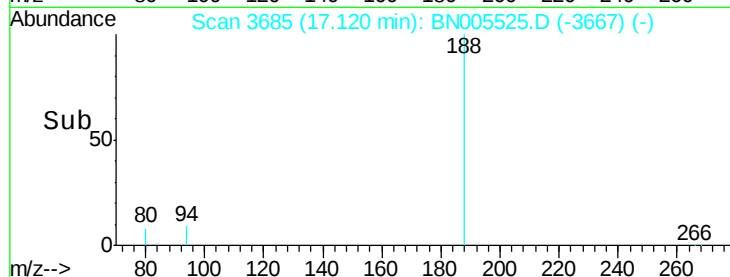
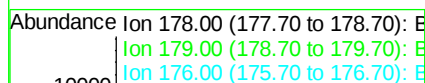
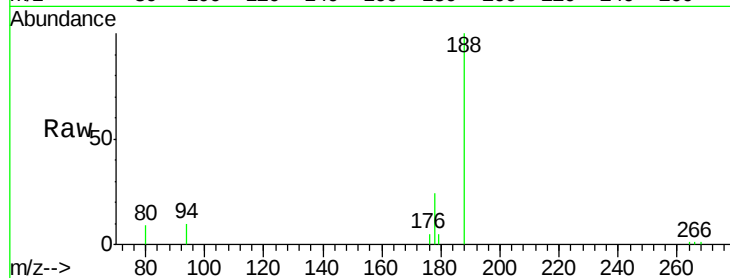
Tgt Ion:178 Resp: 2933

Ion Ratio Lower Upper

178 100

179 22.8 13.4 20.2#

176 22.3 15.1 22.7



#15

Fluoranthene

Concen: 0.965 ng/ul

RT: 19.05 min Scan# 4131

Delta R.T. -0.02 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

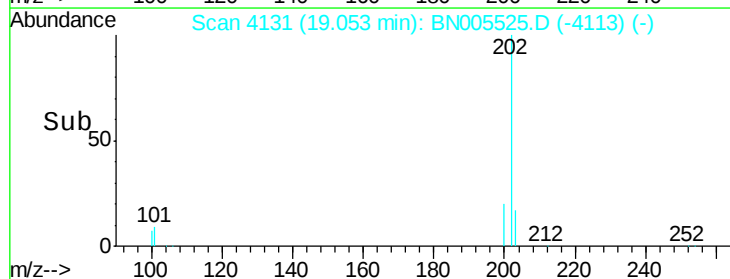
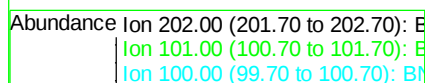
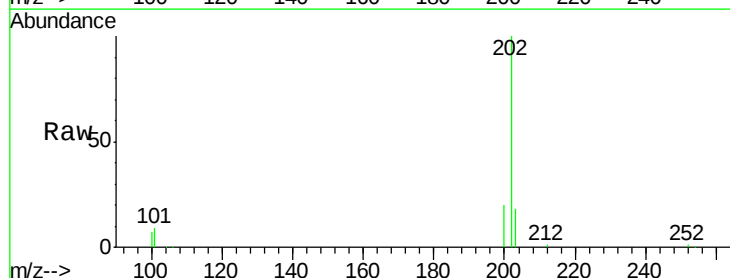
Tgt Ion:202 Resp: 41861

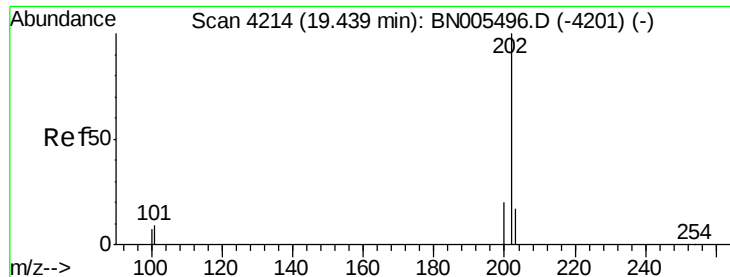
Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.4

100 6.9 0.0 27.1

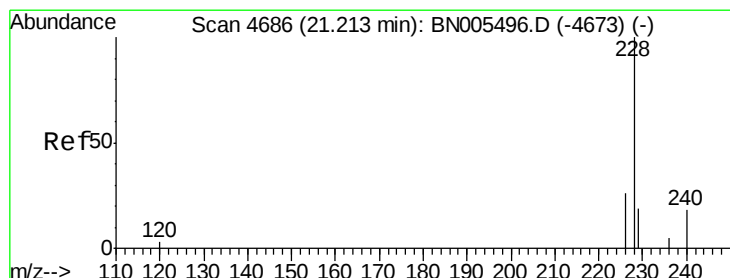
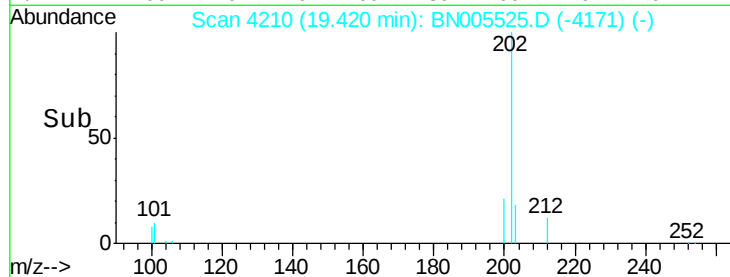
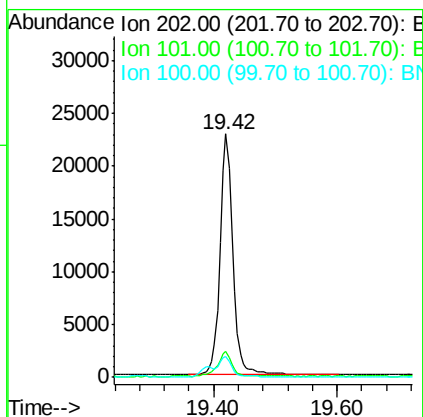
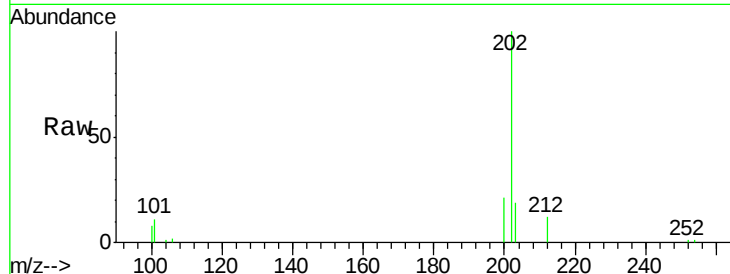




#17
 Pyrene
 Concen: 1.043 ng/ul
 RT: 19.42 min Scan# 4210
 Delta R.T. -0.02 min
 Lab File: BN005525.D
 Acq: 07 May 2019 20:27

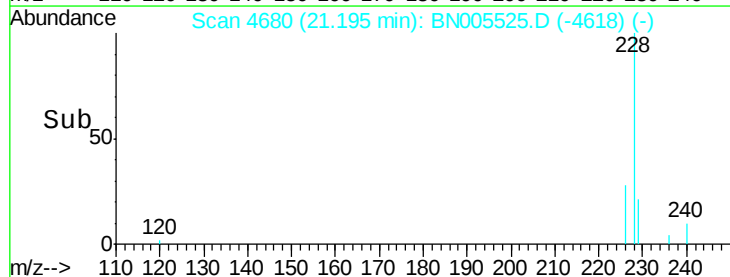
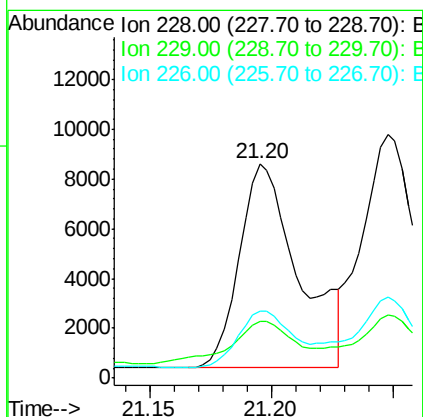
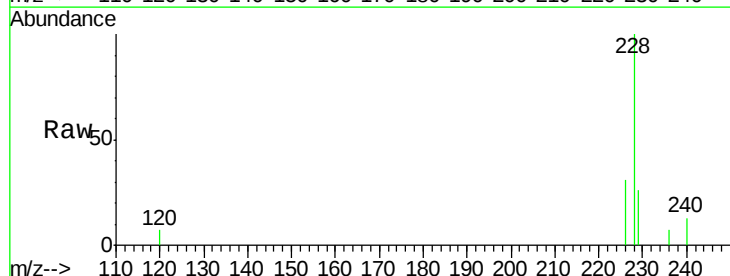
Instrument :
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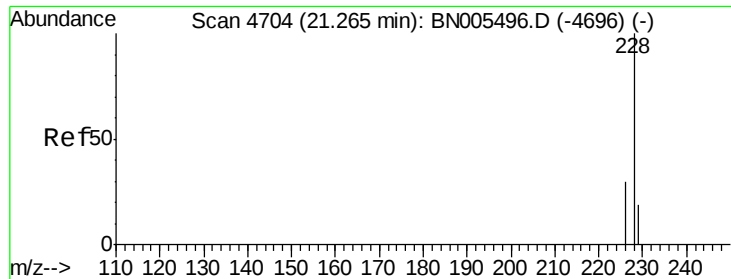
Tgt Ion:202 Resp: 33292
 Ion Ratio Lower Upper
 202 100
 101 10.5 8.5 12.7
 100 8.4 6.9 10.3



#18
 Benzo(a)anthracene
 Concen: 0.466 ng/ul
 RT: 21.20 min Scan# 4680
 Delta R.T. -0.02 min
 Lab File: BN005525.D
 Acq: 07 May 2019 20:27

Tgt Ion:228 Resp: 13885
 Ion Ratio Lower Upper
 228 100
 229 26.2 15.8 23.8#
 226 31.3 21.7 32.5





#19

Chrysene

Concen: 0.425 ng/ul

RT: 21.25 min Scan# 4698

Delta R.T. -0.02 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

Instrument :

BNA_N

ClientSampleId :

A5101DL

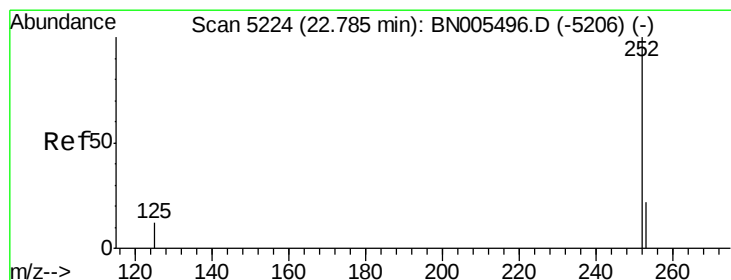
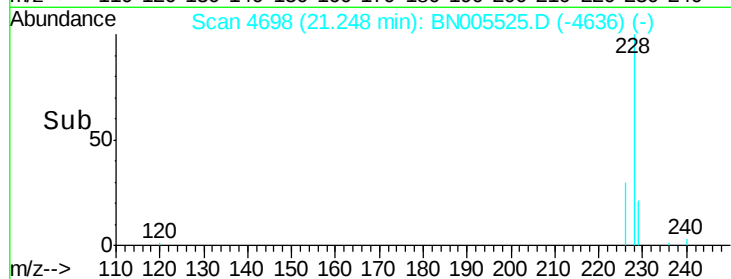
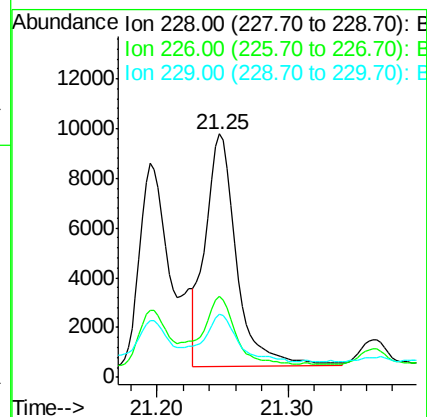
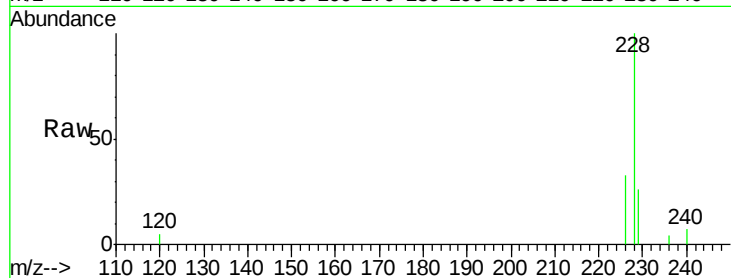
Tgt Ion:228 Resp: 15554

Ion Ratio Lower Upper

228 100

226 33.0 23.2 34.8

229 25.8 16.0 24.0#



#21

Benzo(b)fluoranthene

Concen: 0.935 ng/ul

RT: 22.76 min Scan# 5216

Delta R.T. -0.02 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

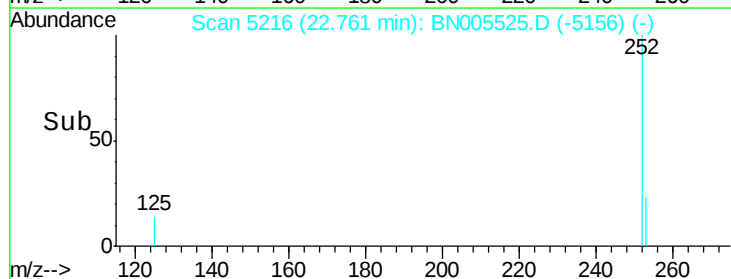
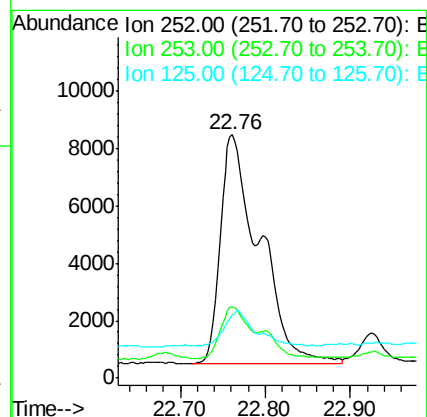
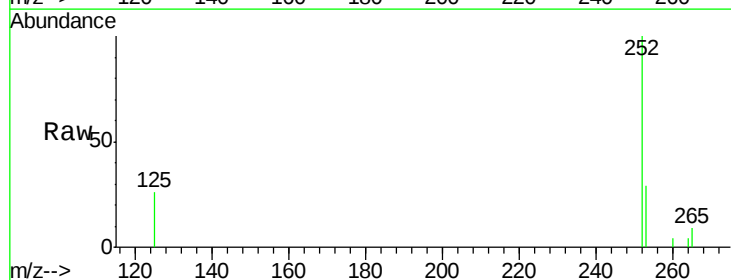
Tgt Ion:252 Resp: 25724

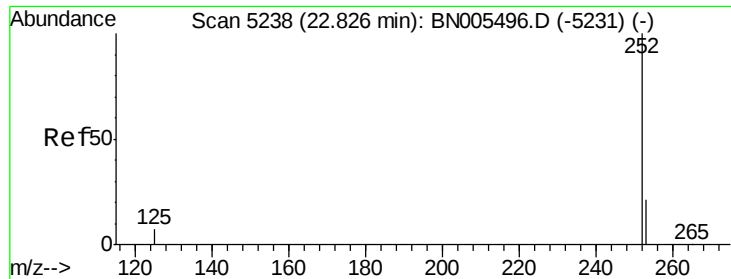
Ion Ratio Lower Upper

252 100

253 29.1 0.0 47.6

125 26.2 0.0 20.8#





#22

Benzo(k)fluoranthene

Concen: 0.746 ng/u1

RT: 22.76 min Scan# 5216

Delta R.T. -0.06 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

Instrument :

BNA_N

ClientSampleId :

A5101DL

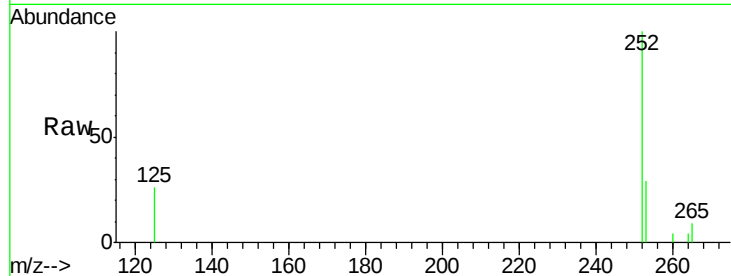
Tgt Ion:252 Resp: 25724

Ion Ratio Lower Upper

252 100

253 29.1 18.8 28.2#

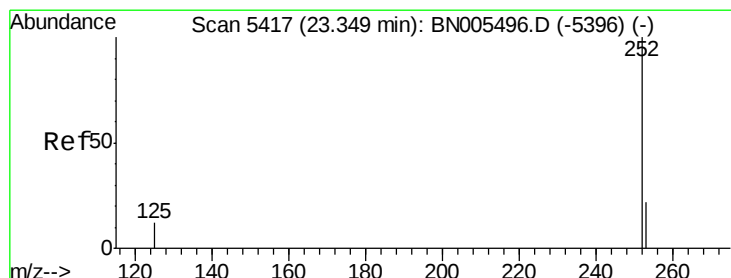
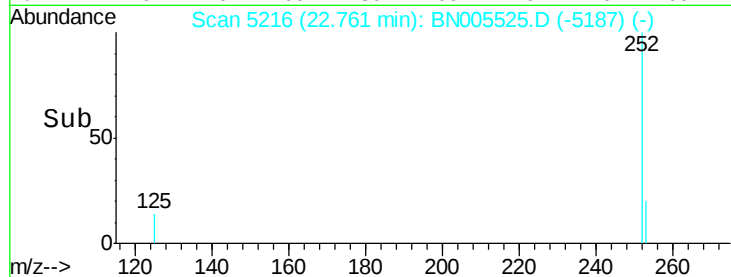
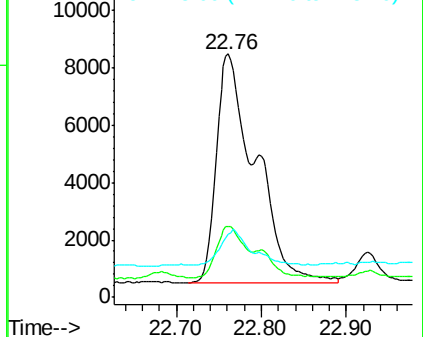
125 26.2 7.6 11.4#



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



#23

Benzo(a)pyrene

Concen: 0.349 ng/u1

RT: 23.32 min Scan# 5406

Delta R.T. -0.03 min

Lab File: BN005525.D

Acq: 07 May 2019 20:27

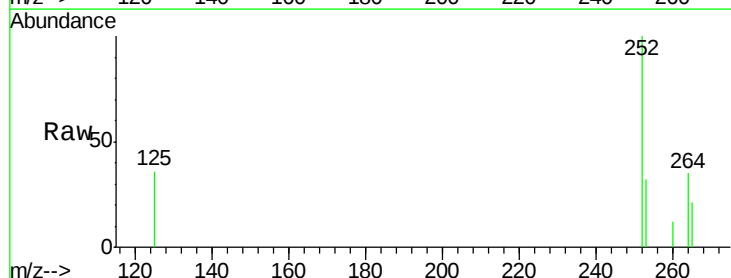
Tgt Ion:252 Resp: 10743

Ion Ratio Lower Upper

252 100

253 31.9 19.6 29.4#

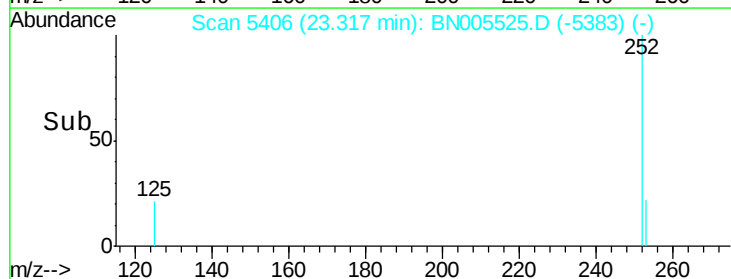
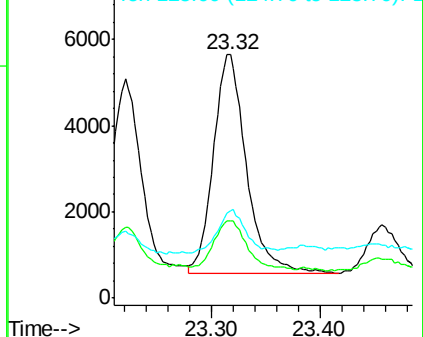
125 35.9 10.1 15.1#

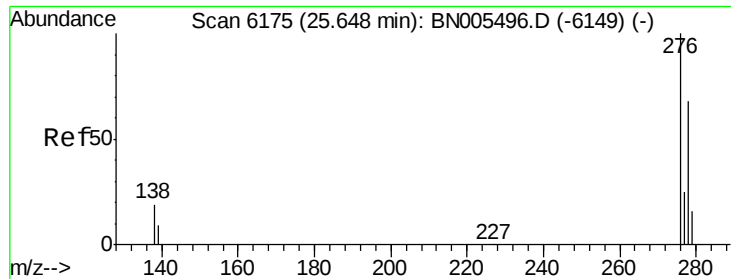


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



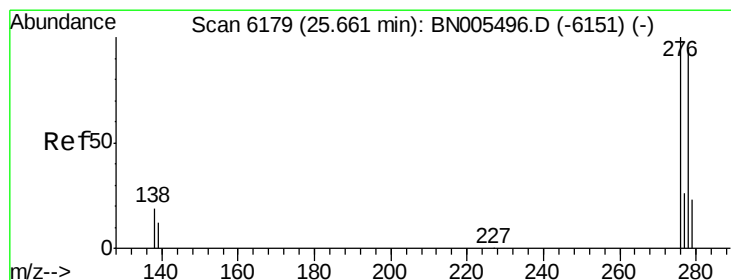
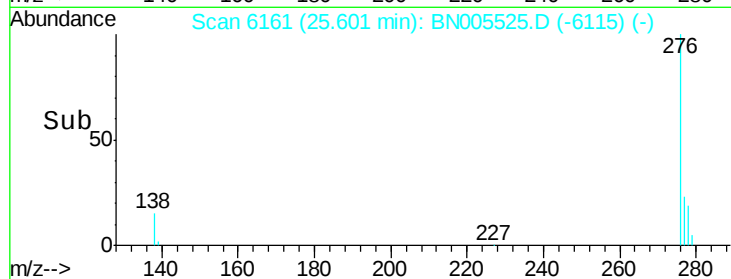
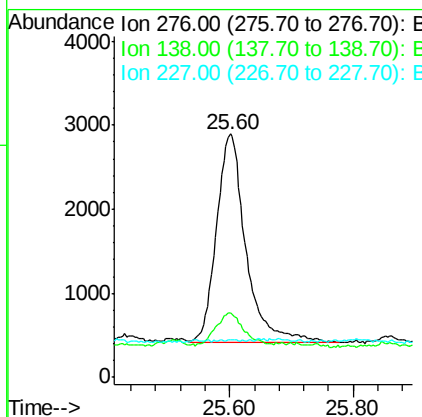
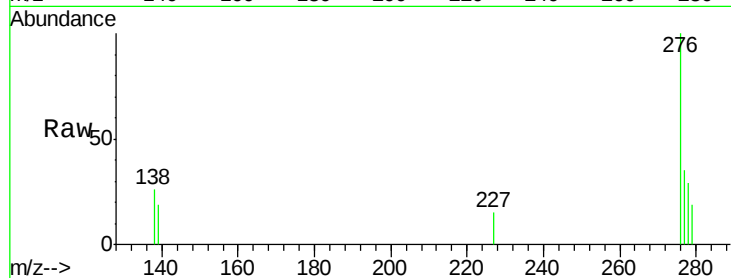


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.238 ng/ul
RT: 25.60 min Scan# 6161
Delta R.T. -0.05 min
Lab File: BN005525.D
Acq: 07 May 2019 20:27

Instrument :
BNA_N
ClientSampleId :
A5101DL

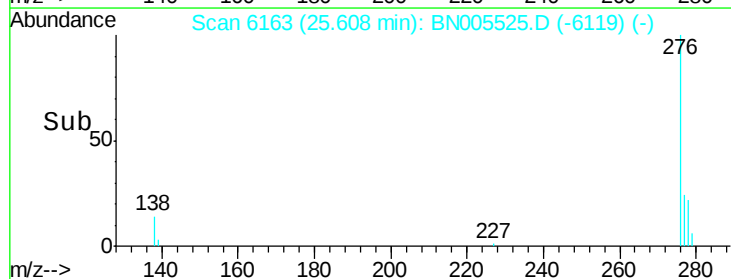
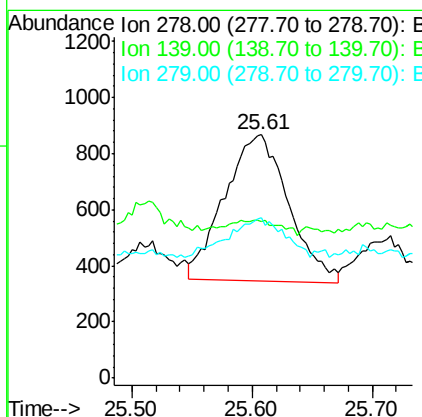
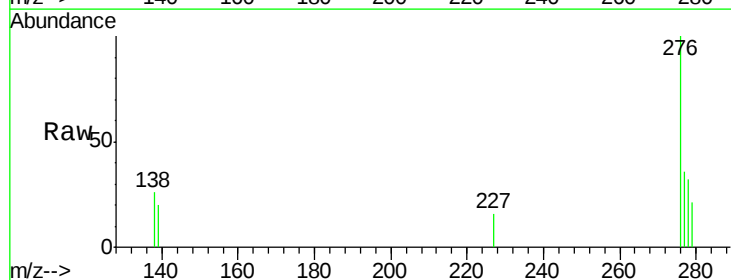
Tgt Ion: 276 Resp: 8178
Ion Ratio Lower Upper
276 100
138 16.0 15.8 23.8
227 0.4 0.1 0.1#

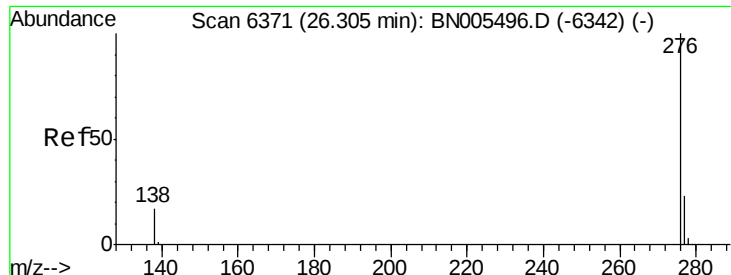


#25

Dibenzo(a,h)anthracene
Concen: 0.067 ng/ul
RT: 25.61 min Scan# 6163
Delta R.T. -0.05 min
Lab File: BN005525.D
Acq: 07 May 2019 20:27

Tgt Ion: 278 Resp: 1911
Ion Ratio Lower Upper
278 100
139 64.5 12.4 18.6#
279 65.7 21.0 31.4#





#26

Benzo(g,h,i)perylene

Concen: 0.212 ng/u1

RT: 26.26 min Scan# 6358

Delta R.T. -0.04 min

Lab File: BN005525.D

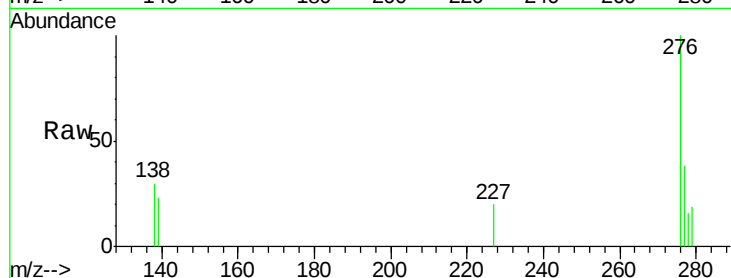
Acq: 07 May 2019 20:27

Instrument :

BNA_N

ClientSampleId :

A5101DL



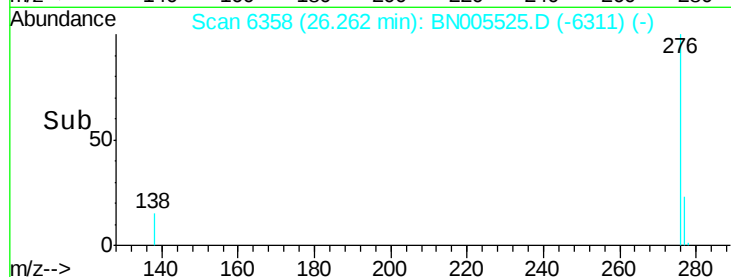
Tgt Ion: 276 Resp: 6225

Ion Ratio Lower Upper

276 100

138 29.8 15.6 23.4#

277 38.2 20.6 31.0#



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

