

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021419\
 Data File : BN004426.D
 Acq On : 14 Feb 2019 18:37
 Operator : JU/SJ
 Sample : MDL-S-01
 Misc : 0.07 PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-S-01

Quant Time: Feb 15 01:23:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 14:04:55 2019
 Response via : Initial Calibration

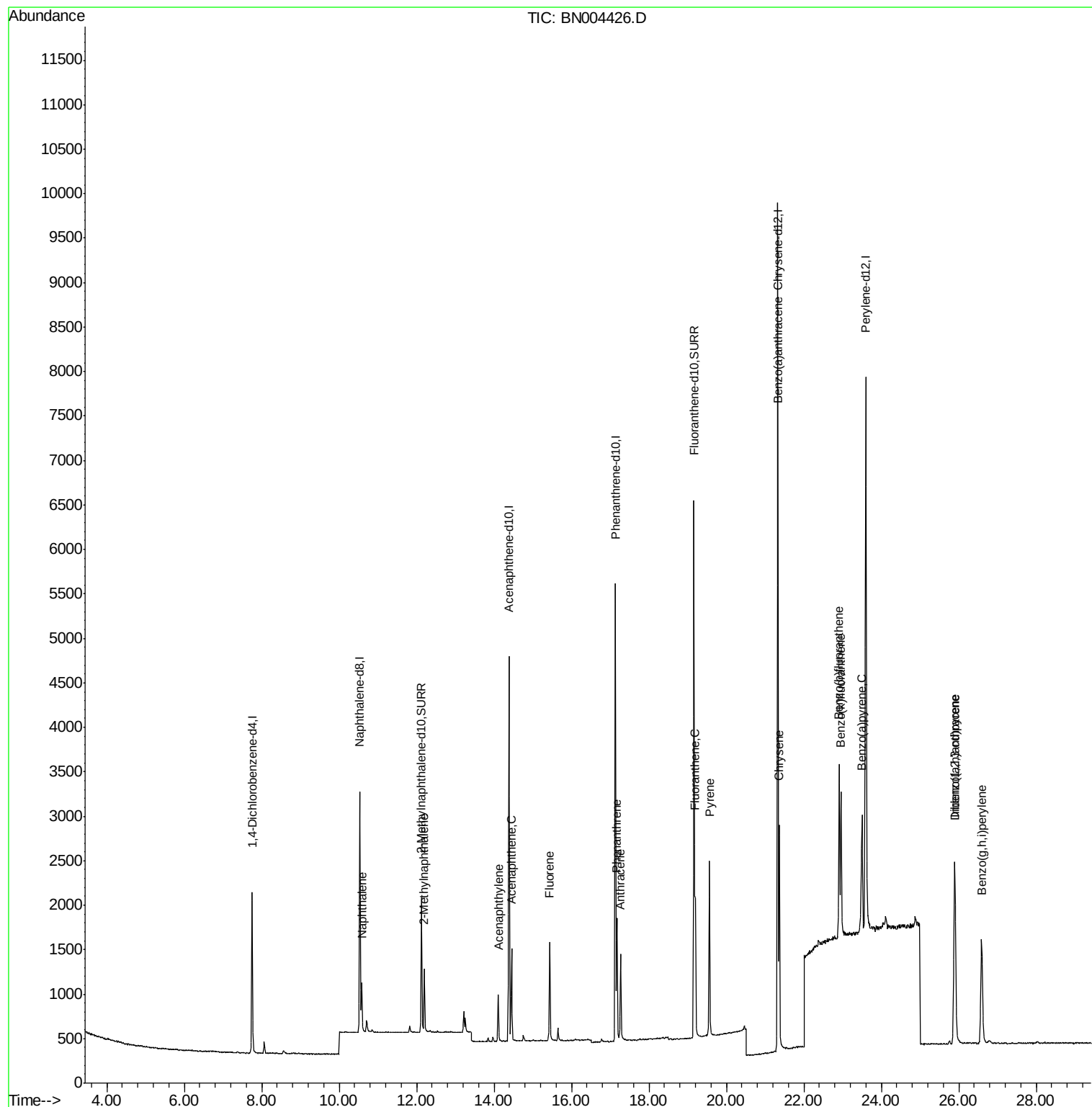
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	944	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3777	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2321	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	6569	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	8379	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8770	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.13	152	2120	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	7057	0.34	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.58	128	728	0.067	ng/ul#	81
5) 2-Methylnaphthalene	12.20	142	522	0.067	ng/ul	98
7) Acenaphthylene	14.11	152	646	0.061	ng/ul#	84
8) Acenaphthene	14.45	153	620	0.067	ng/ul	96
9) Fluorene	15.43	166	735	0.067	ng/ul#	98
12) Phenanthrene	17.17	178	1411	0.066	ng/ul#	91
13) Anthracene	17.27	178	1115	0.062	ng/ul#	88
15) Fluoranthene	19.20	202	1736	0.066	ng/ul	93
17) Pyrene	19.56	202	1741	0.065	ng/ul#	92
18) Benzo(a)anthracene	21.31	228	1741	0.064	ng/ul	96
19) Chrysene	21.37	228	2184	0.070	ng/ul	95
21) Benzo(b)fluoranthene	22.91	252	2412	0.069	ng/ul	76
22) Benzo(k)fluoranthene	22.96	252	2286	0.066	ng/ul#	71
23) Benzo(a)pyrene	23.50	252	2035	0.065	ng/ul#	66
24) Indeno(1,2,3-cd)pyrene	25.89	276	2728	0.066	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.91	278	2170	0.065	ng/ul#	82
26) Benzo(g,h,i)perylene	26.59	276	2577	0.069	ng/ul#	90

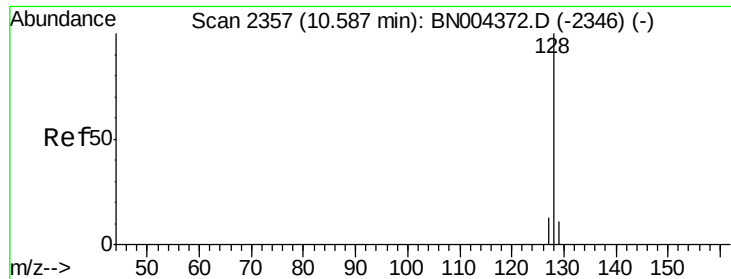
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.067 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

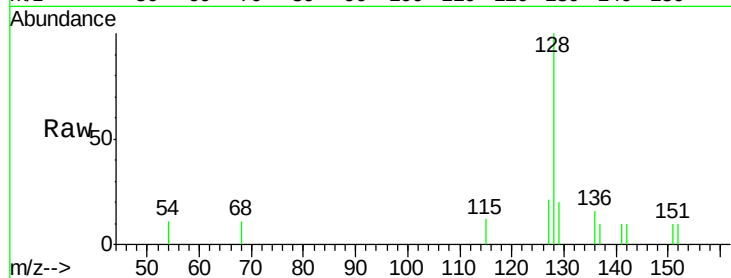
Tgt Ion:128 Resp: 728

Ion Ratio Lower Upper

128 100

129 20.3 9.8 14.6#

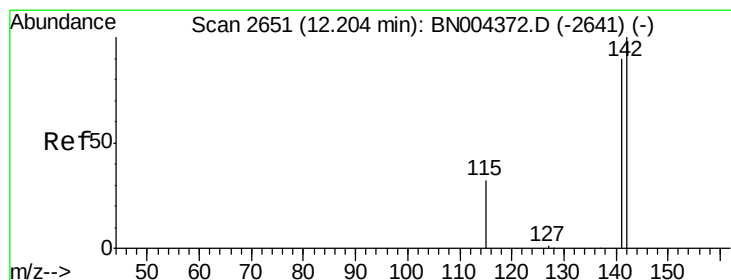
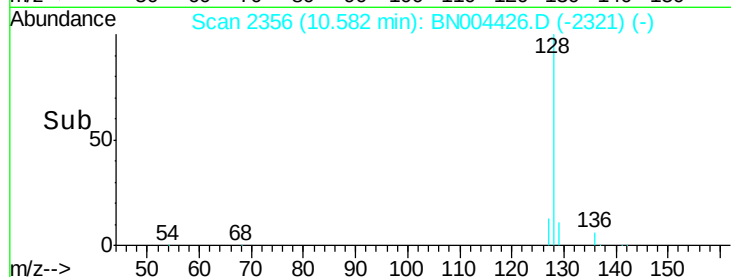
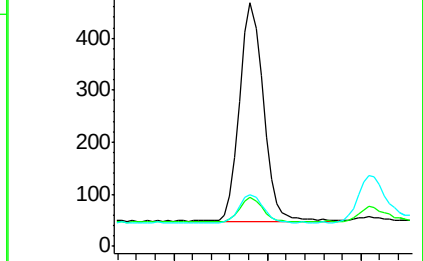
127 21.2 11.4 17.0#



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: 0.067 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004426.D

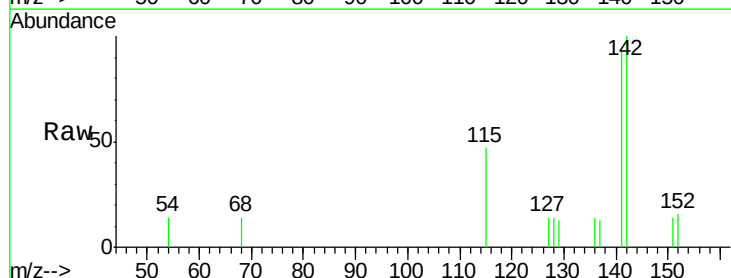
Acq: 14 Feb 2019 18:37

Tgt Ion:142 Resp: 522

Ion Ratio Lower Upper

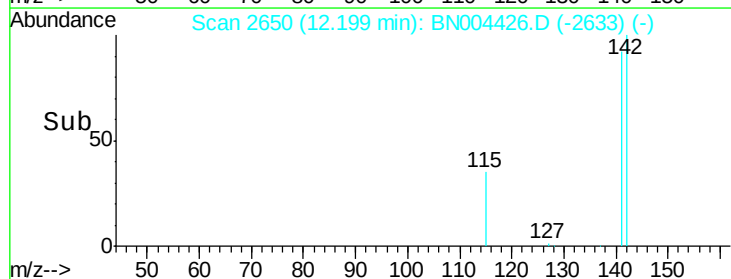
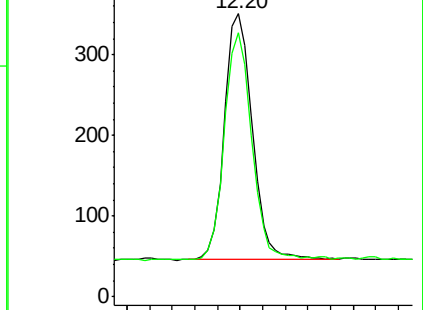
142 100

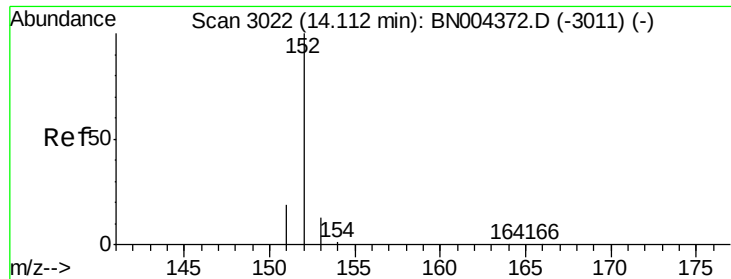
141 91.2 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.061 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

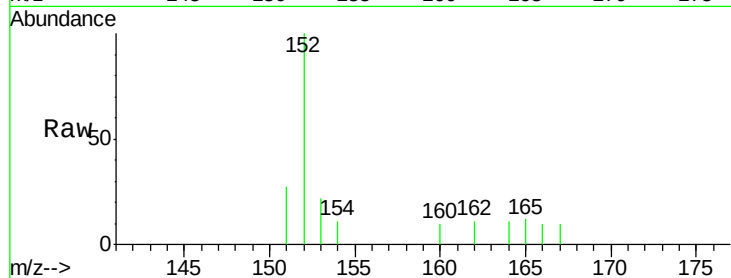
Tgt Ion:152 Resp: 646

Ion Ratio Lower Upper

152 100

151 27.0 16.6 24.8#

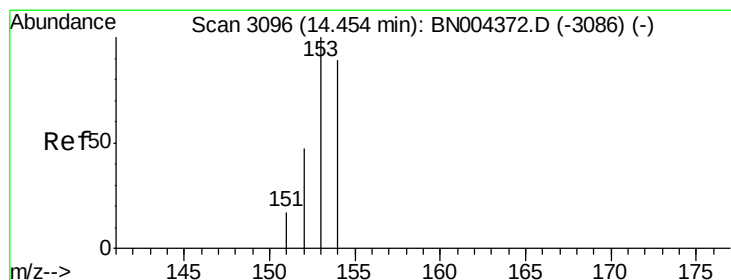
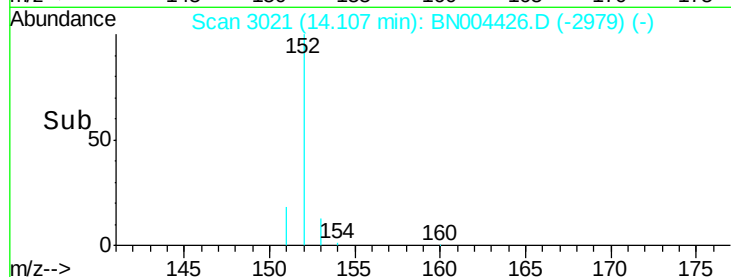
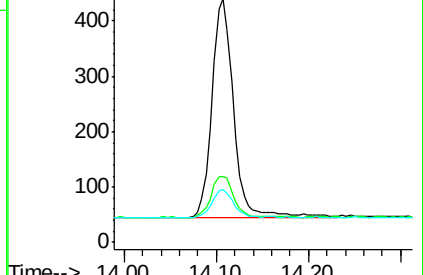
153 21.8 11.1 16.7#



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



#8

Acenaphthene

Concen: 0.067 ng/ul

RT: 14.45 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

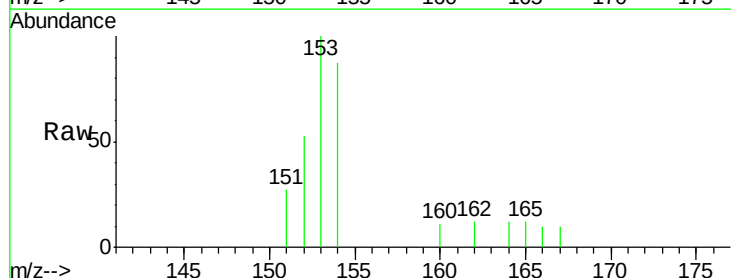
Tgt Ion:153 Resp: 620

Ion Ratio Lower Upper

153 100

152 52.5 38.4 57.6

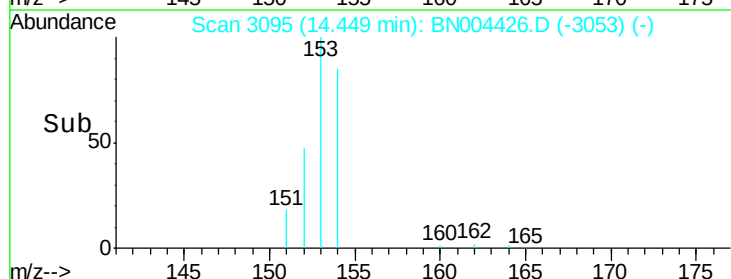
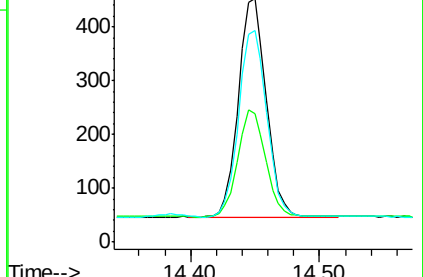
154 86.8 71.4 107.0

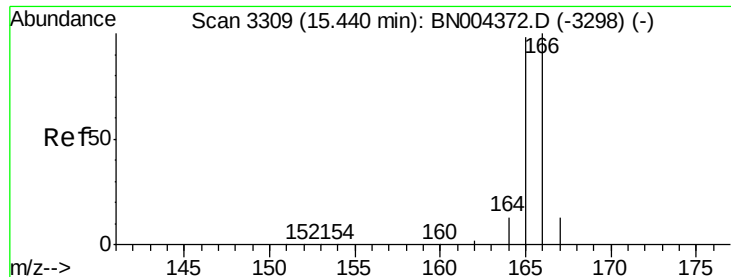


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

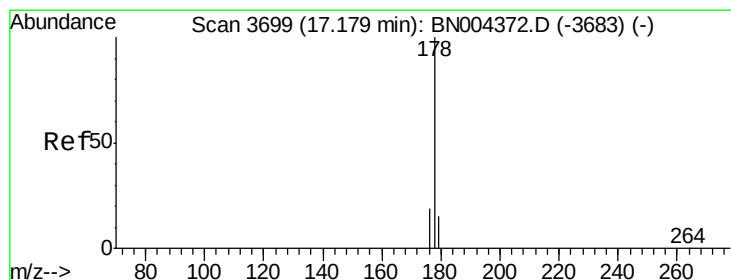
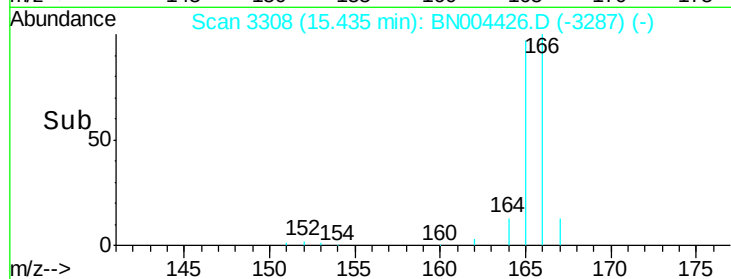
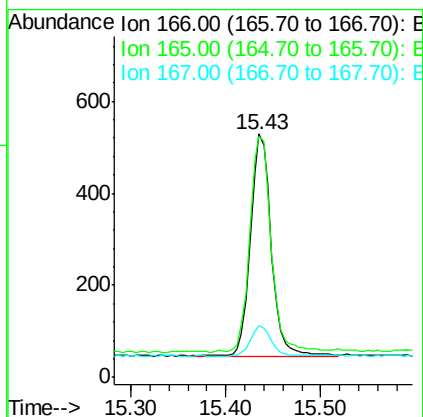
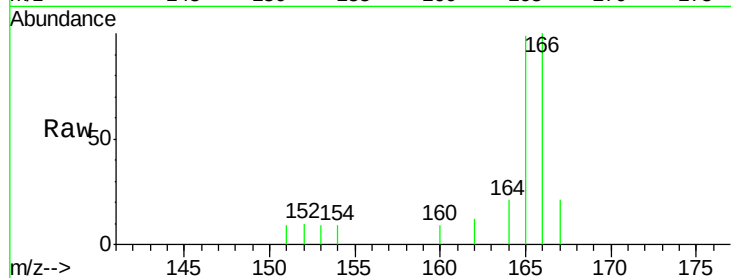




#9
Fluorene
 Concen: 0.067 ng/ul
 RT: 15.43 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BN004426.D
 Acq: 14 Feb 2019 18:37

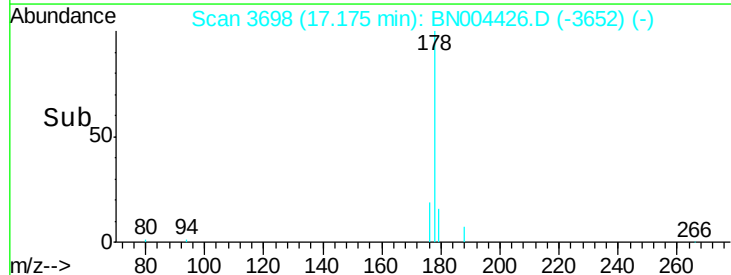
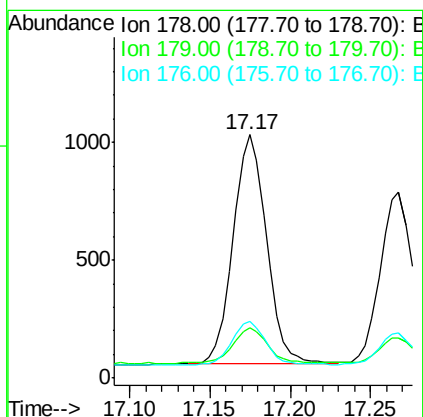
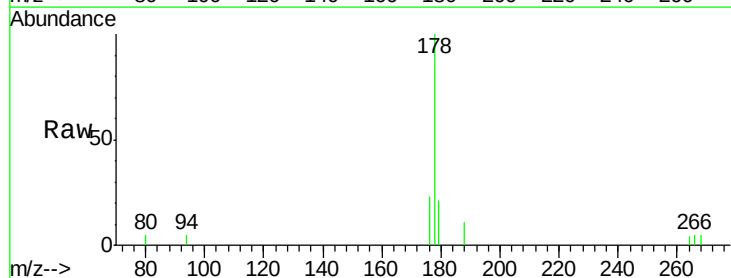
Instrument :
 BNA_N
 ClientSampleId :
 MDL-S-01

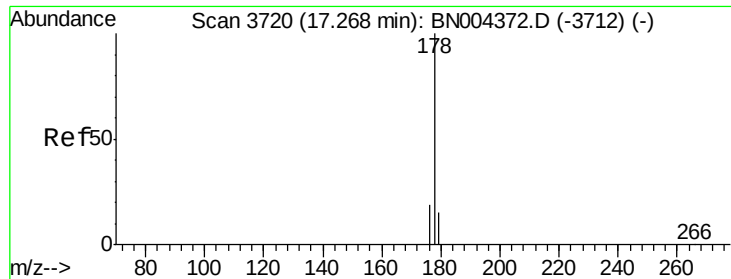
Tgt Ion:166 Resp: 735
 Ion Ratio Lower Upper
 166 100
 165 98.9 78.9 118.3
 167 21.2 11.6 17.4#



#12
Phenanthrene
 Concen: 0.066 ng/ul
 RT: 17.17 min Scan# 3698
 Delta R.T. -0.00 min
 Lab File: BN004426.D
 Acq: 14 Feb 2019 18:37

Tgt Ion:178 Resp: 1411
 Ion Ratio Lower Upper
 178 100
 179 20.7 12.6 19.0#
 176 23.1 15.8 23.6





#13

Anthracene

Concen: 0.062 ng/ul

RT: 17.27 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

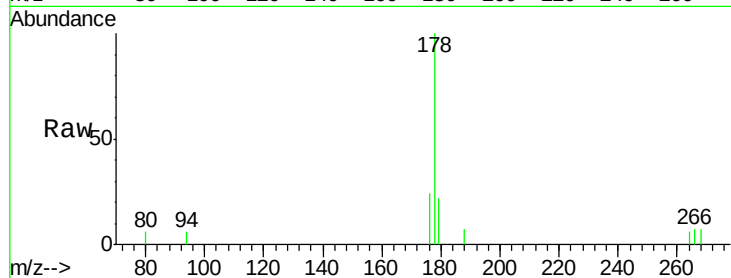
Tgt Ion:178 Resp: 1115

Ion Ratio Lower Upper

178 100

179 21.7 13.0 19.4#

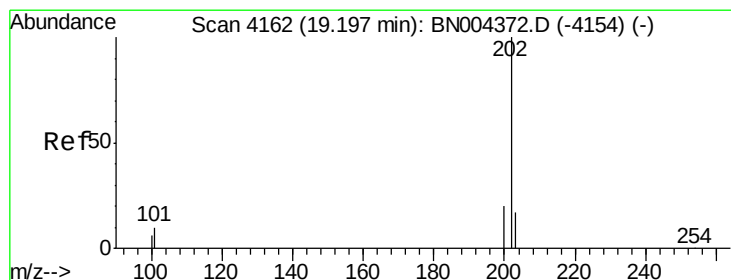
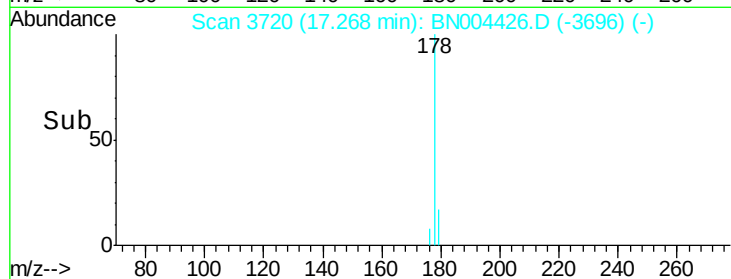
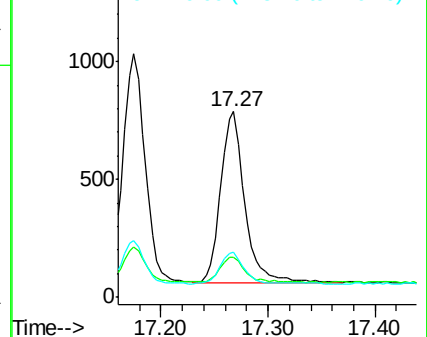
176 24.2 15.5 23.3#



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: 0.066 ng/ul

RT: 19.20 min Scan# 4162

Delta R.T. -0.00 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

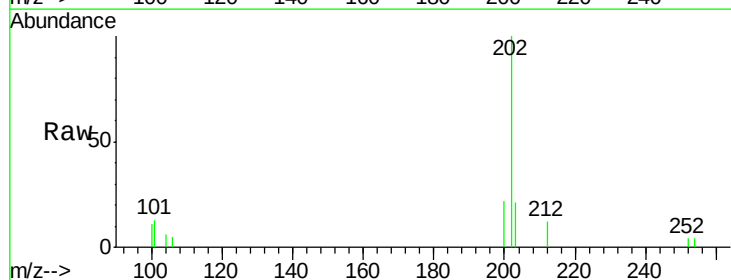
Tgt Ion:202 Resp: 1736

Ion Ratio Lower Upper

202 100

101 12.9 0.0 30.4

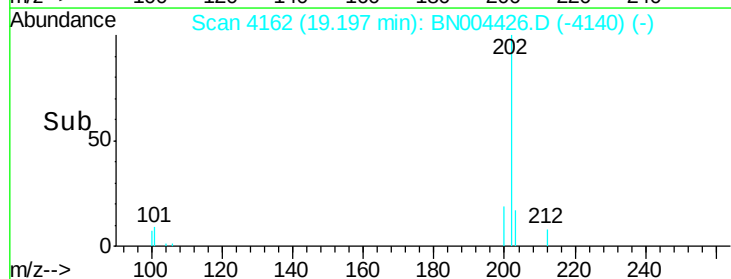
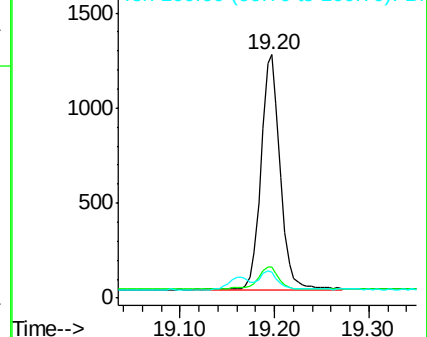
100 10.5 0.0 27.6

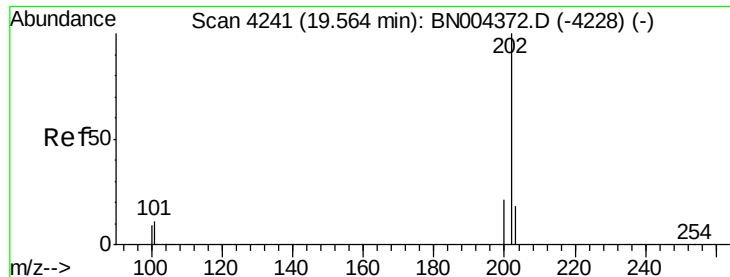


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

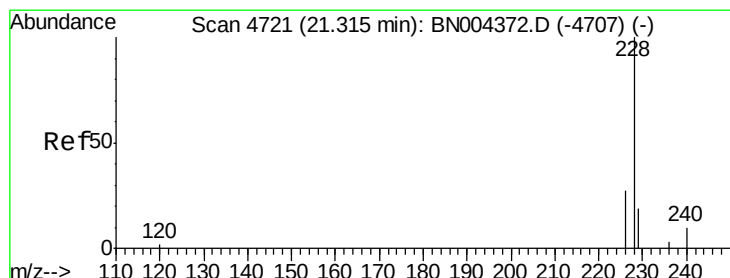
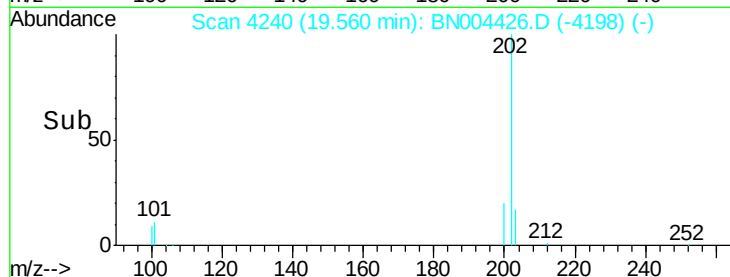
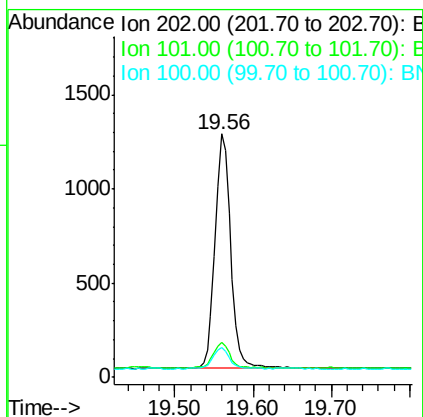
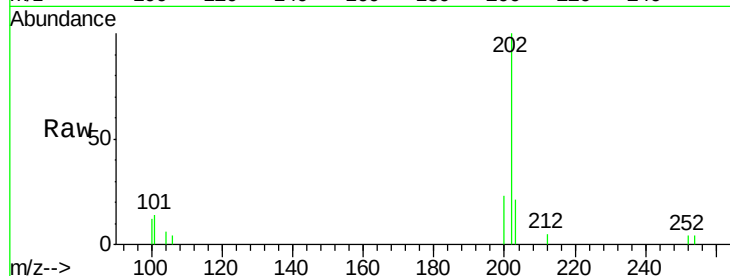




#17
 Pyrene
 Concen: 0.065 ng/ul
 RT: 19.56 min Scan# 4240
 Delta R.T. -0.00 min
 Lab File: BN004426.D
 Acq: 14 Feb 2019 18:37

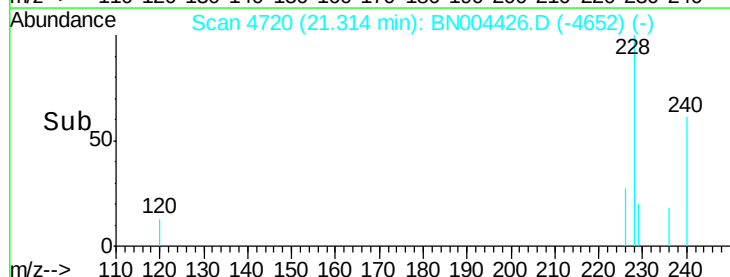
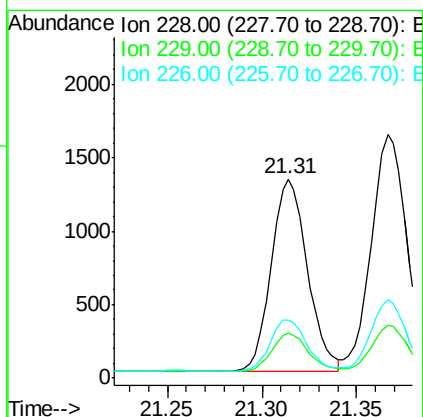
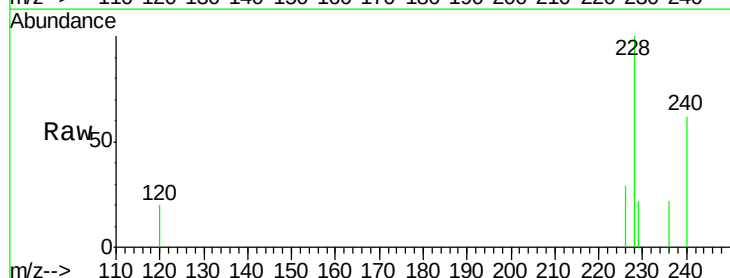
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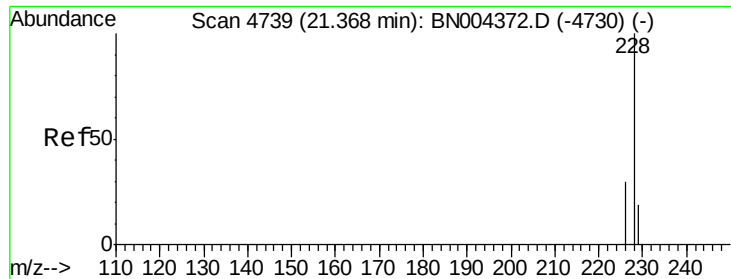
Tgt Ion:202 Resp: 1741
 Ion Ratio Lower Upper
 202 100
 101 14.3 9.0 13.6#
 100 12.4 7.4 11.0#



#18
 Benzo(a)anthracene
 Concen: 0.064 ng/ul
 RT: 21.31 min Scan# 4720
 Delta R.T. -0.00 min
 Lab File: BN004426.D
 Acq: 14 Feb 2019 18:37

Tgt Ion:228 Resp: 1741
 Ion Ratio Lower Upper
 228 100
 229 22.5 15.7 23.5
 226 29.2 22.1 33.1





#19

Chrysene

Concen: 0.070 ng/ul

RT: 21.37 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

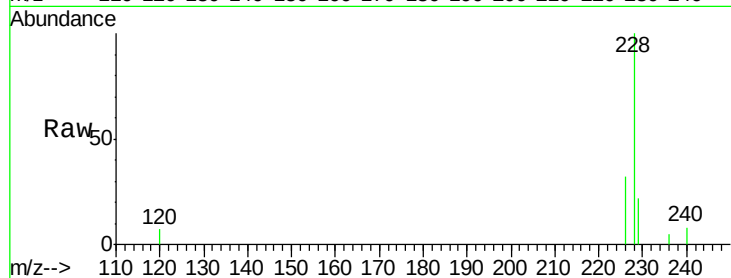
Tgt Ion:228 Resp: 2184

Ion Ratio Lower Upper

228 100

226 32.3 23.8 35.8

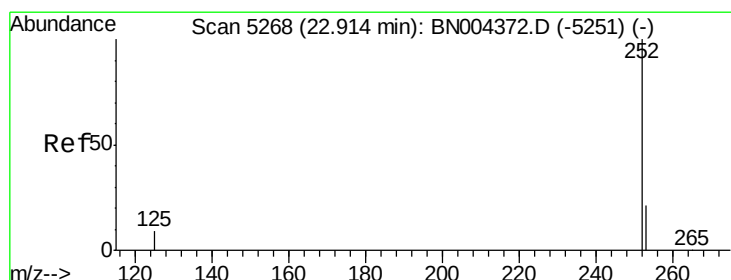
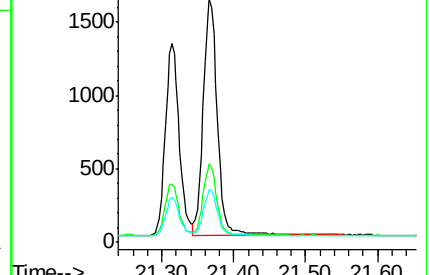
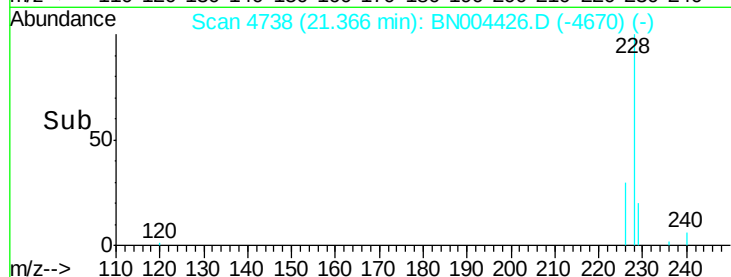
229 22.0 15.8 23.6



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: 0.069 ng/ul

RT: 22.91 min Scan# 5267

Delta R.T. -0.00 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

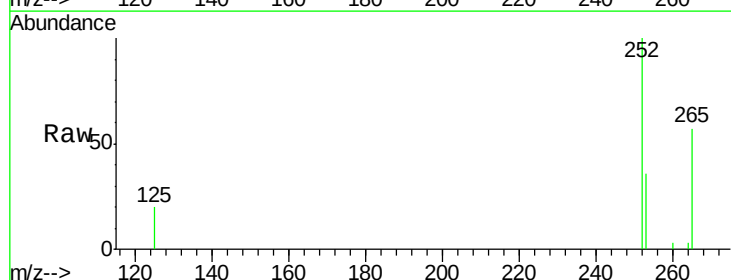
Tgt Ion:252 Resp: 2412

Ion Ratio Lower Upper

252 100

253 36.1 0.0 48.0

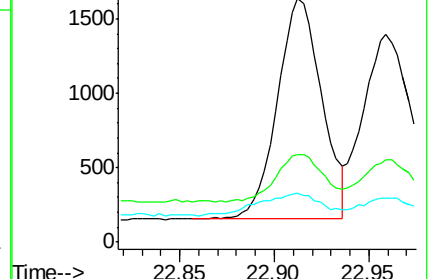
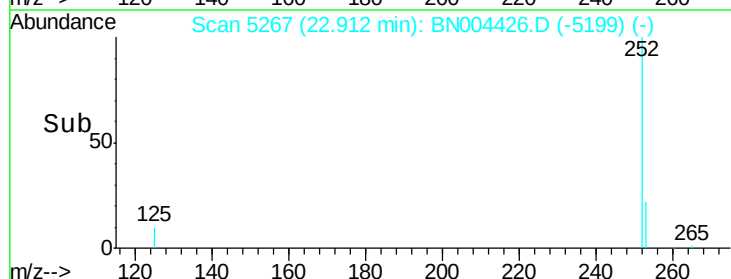
125 20.0 0.0 22.8

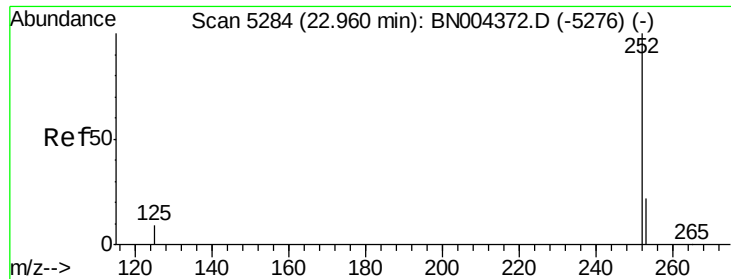


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.066 ng/ul

RT: 22.96 min Scan# 5283

Delta R.T. -0.00 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

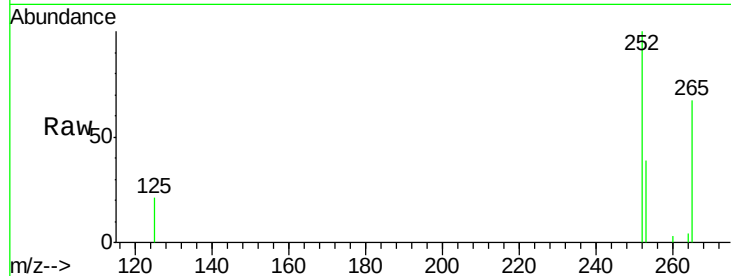
Tgt Ion:252 Resp: 2286

Ion Ratio Lower Upper

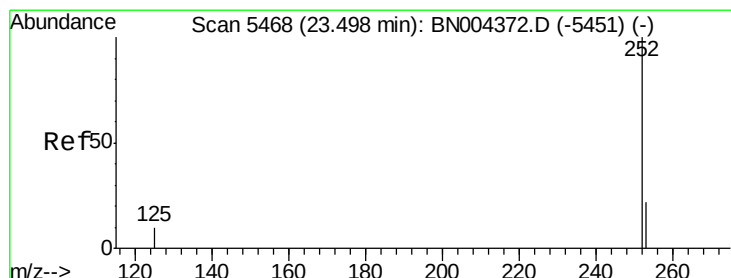
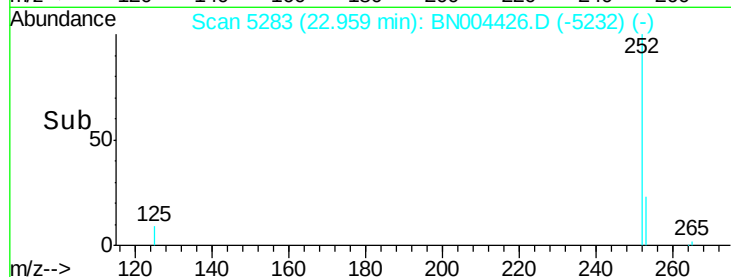
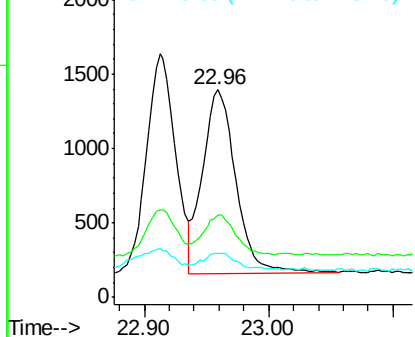
252 100

253 39.5 19.5 29.3#

125 21.4 9.1 13.7#



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: 0.065 ng/ul

RT: 23.50 min Scan# 5467

Delta R.T. -0.00 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

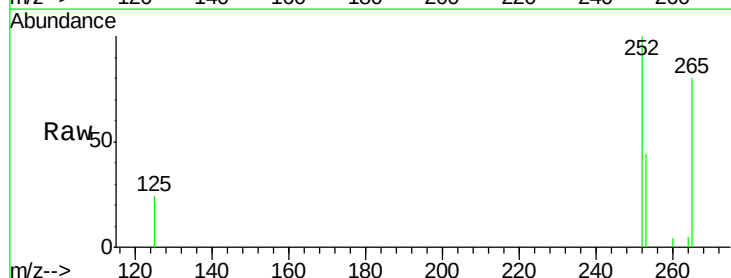
Tgt Ion:252 Resp: 2035

Ion Ratio Lower Upper

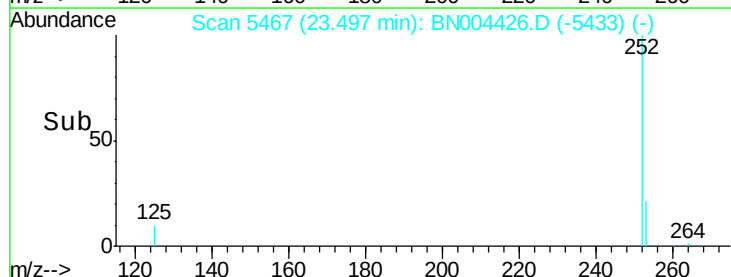
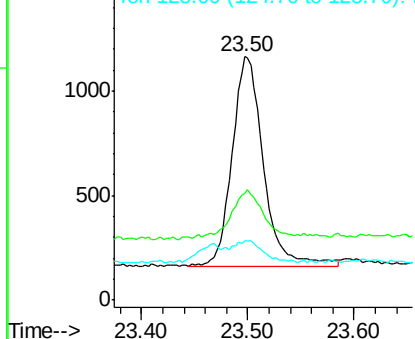
252 100

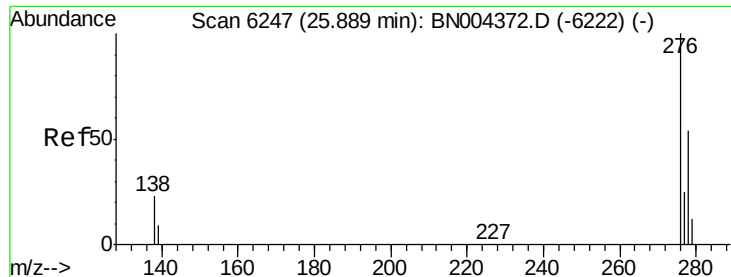
253 44.0 20.4 30.6#

125 24.2 10.6 15.8#



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: 0.066 ng/ul

RT: 25.89 min Scan# 6247

Delta R.T. 0.00 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

Instrument :

BNA_N

ClientSampleId :

MDL-S-01

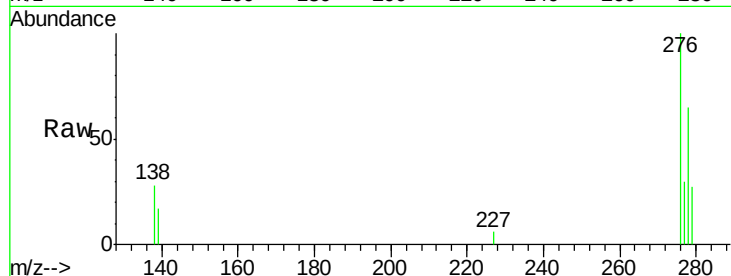
Tgt Ion: 276 Resp: 2728

Ion Ratio Lower Upper

276 100

138 23.2 19.1 28.7

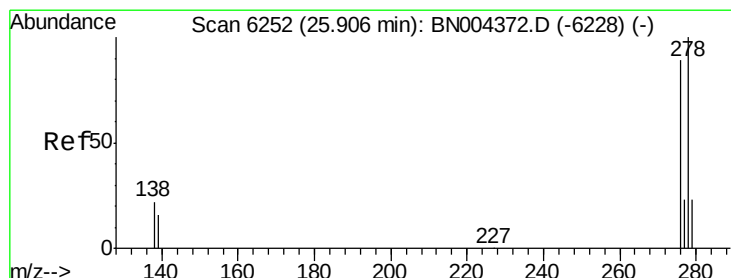
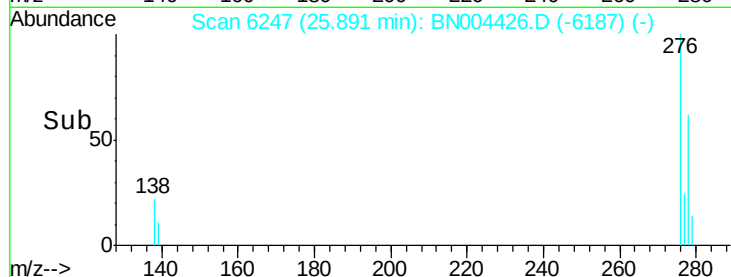
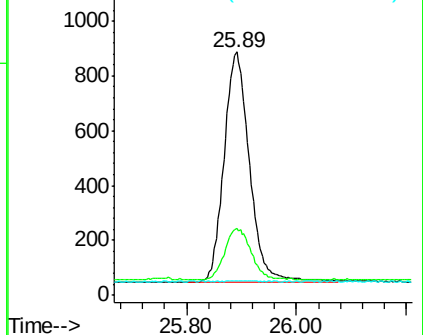
227 0.1 0.2 0.4#



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: 0.065 ng/ul

RT: 25.91 min Scan# 6252

Delta R.T. 0.00 min

Lab File: BN004426.D

Acq: 14 Feb 2019 18:37

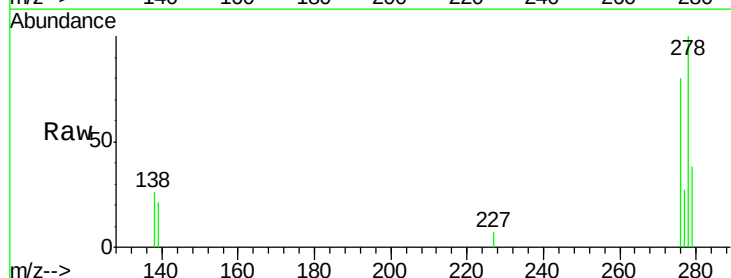
Tgt Ion: 278 Resp: 2170

Ion Ratio Lower Upper

278 100

139 20.7 13.8 20.6#

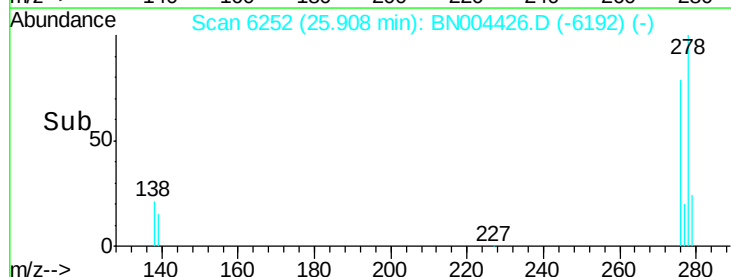
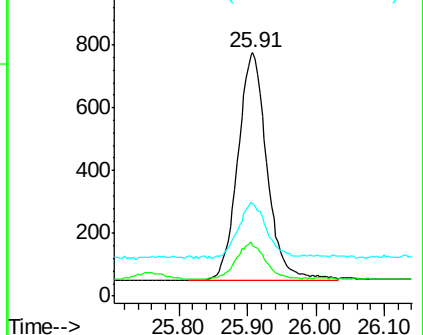
279 37.9 20.4 30.6#

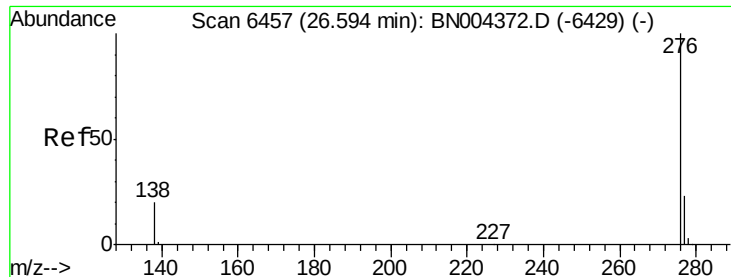


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.069 ng/ul

RT: 26.59 min Scan# 6456

Delta R.T. -0.00 min

Lab File: BN004426.D

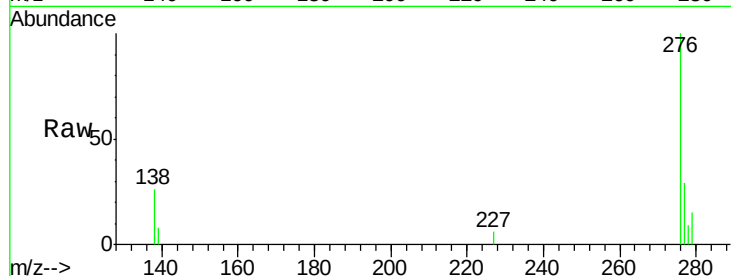
Acq: 14 Feb 2019 18:37

Instrument :

BNA_N

ClientSampleId :

MDL-S-01



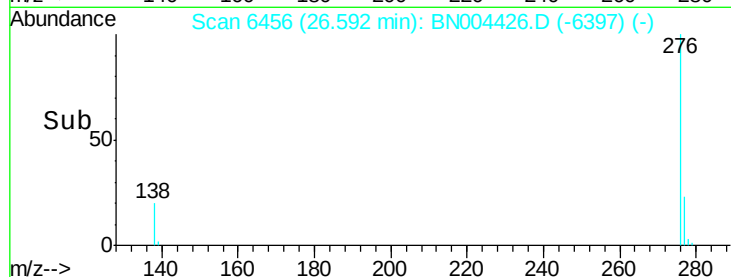
Tgt Ion: 276 Resp: 2577

Ion Ratio Lower Upper

276 100

138 25.8 16.8 25.2#

277 29.0 19.4 29.0



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

