

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
 Data File : BN004418.D
 Acq On : 14 Feb 2019 13:53
 Operator : JU/SJ
 Sample : MDL-W-03
 Misc : 0.07 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-03

Quant Time: Feb 14 15:00:20 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	977	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3869	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2357	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	6584	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	8391	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8594	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	2149	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	6980	0.34	ng/ul	0.00

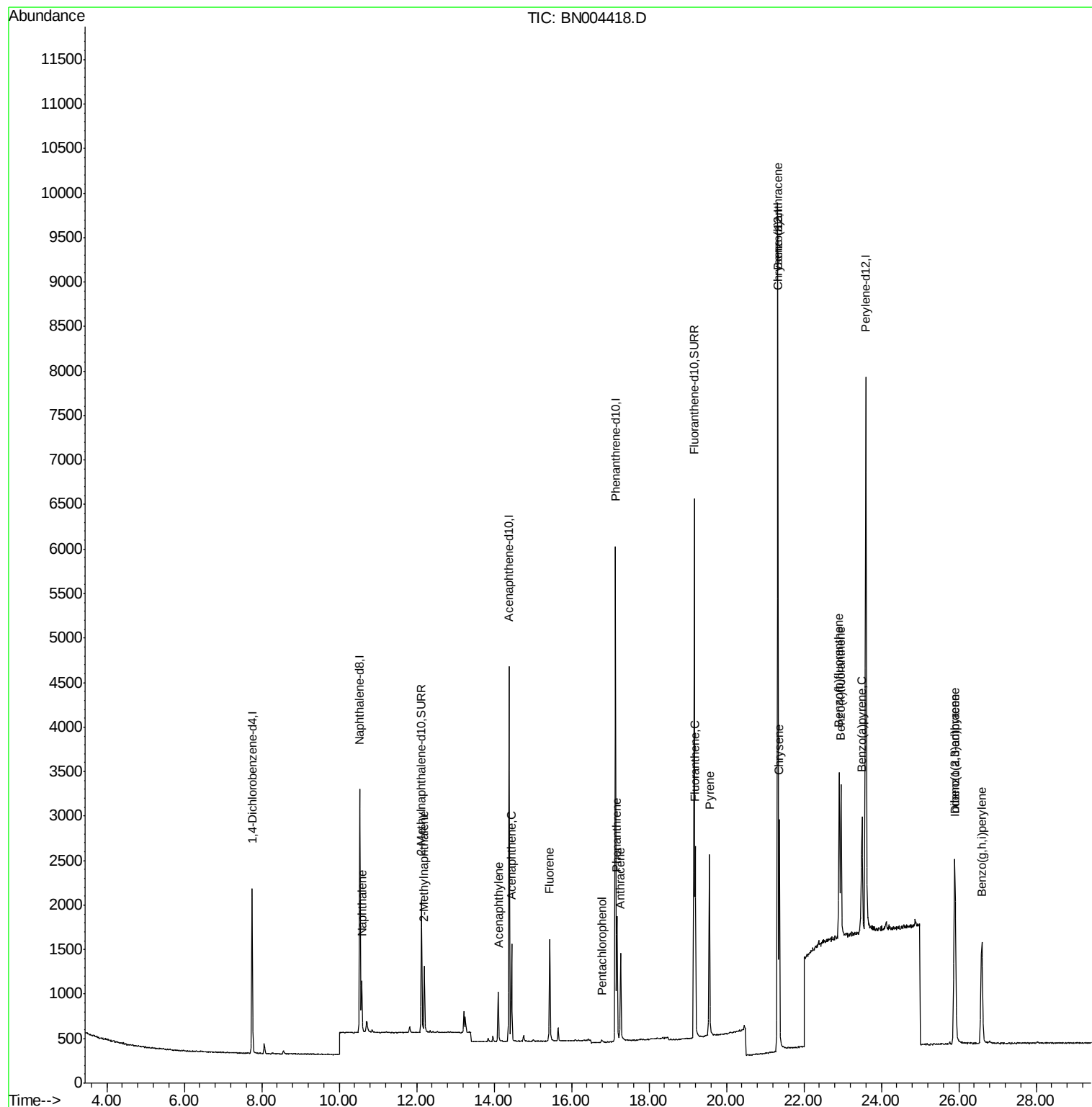
Target Compounds				Ovalue		
3) Naphthalene	10.58	128	757	0.07	ng/ul#	82
5) 2-Methylnaphthalene	12.20	142	539	0.07	ng/ul	98
7) Acenaphthylene	14.11	152	678	0.06	ng/ul#	84
8) Acenaphthene	14.45	153	636	0.07	ng/ul	97
9) Fluorene	15.43	166	754	0.07	ng/ul#	96
11) Pentachlorophenol	16.78	266	29	0.02	ng/ul#	84
12) Phenanthrene	17.17	178	1467	0.07	ng/ul#	91
13) Anthracene	17.27	178	1138	0.06	ng/ul#	87
15) Fluoranthene	19.20	202	1794	0.07	ng/ul	94
17) Pyrene	19.56	202	1805	0.07	ng/ul#	92
18) Benzo(a)anthracene	21.32	228	1768	0.07	ng/ul	96
19) Chrysene	21.36	228	2215	0.07	ng/ul	95
21) Benzo(b)fluoranthene	22.91	252	2430	0.07	ng/ul	76
22) Benzo(k)fluoranthene	22.96	252	2212	0.07	ng/ul#	72
23) Benzo(a)pyrene	23.50	252	2019	0.07	ng/ul#	66
24) Indeno(1,2,3-cd)pyrene	25.89	276	2718	0.07	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.91	278	2196	0.07	ng/ul#	83
26) Benzo(g,h,i)perylene	26.59	276	2557	0.07	ng/ul	91

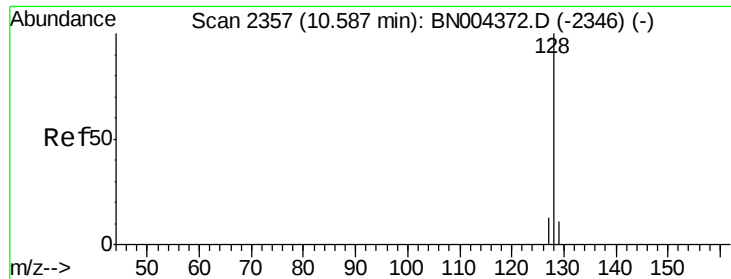
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

Instrument :

BNA_N

ClientSampleId :

MDL-W-03

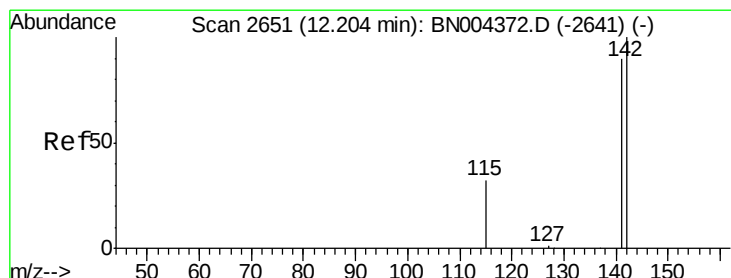
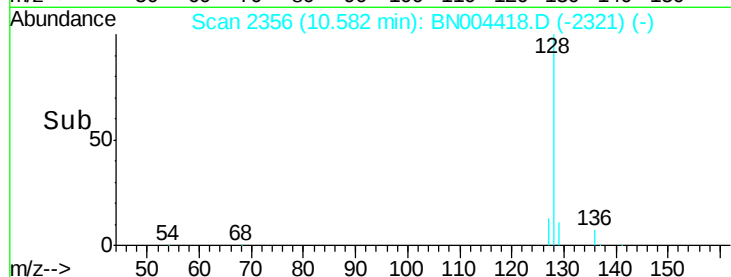
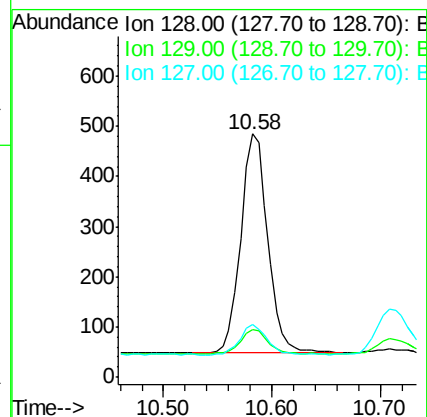
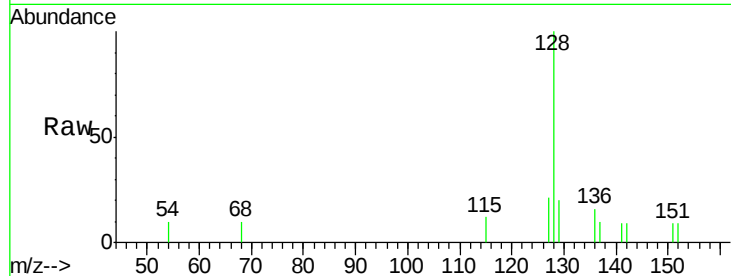
Tot Ion:128 Resp: 757

Ion Ratio Lower Upper

128 100

129 19.6 9.8 14.6#

127 21.4 11.4 17.0#



#5

2-Methylnaphthalene

Concen: 0.07 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004418.D

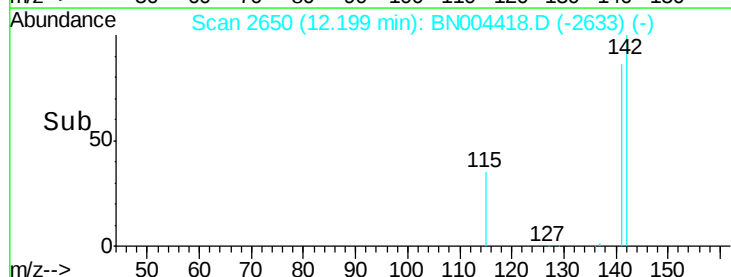
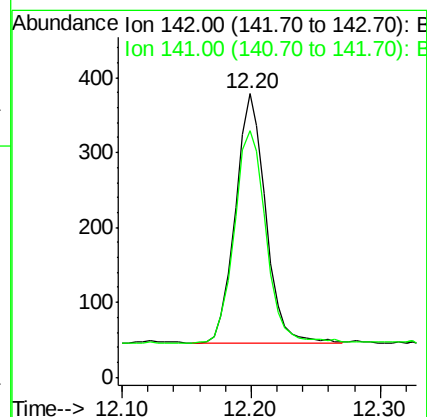
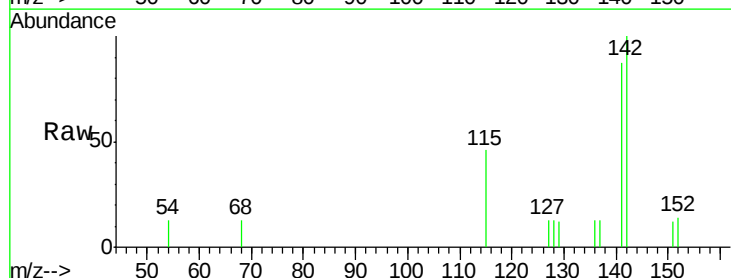
Acq: 14 Feb 2019 13:53

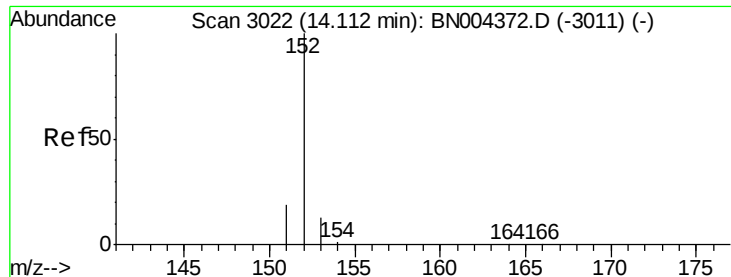
Tgt Ion:142 Resp: 539

Ion Ratio Lower Upper

142 100

141 91.8 71.8 107.6





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

Instrument :

BNA_N

ClientSampleId :

MDL-W-03

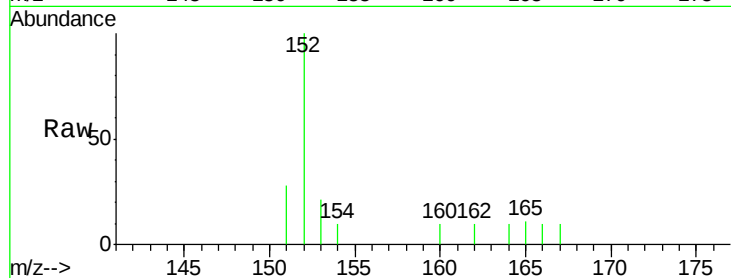
Tot Ion:152 Resp: 678

Ion Ratio Lower Upper

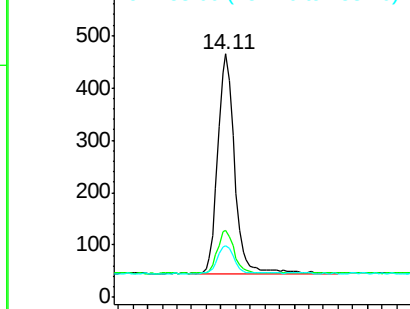
152 100

151 27.7 16.6 24.8#

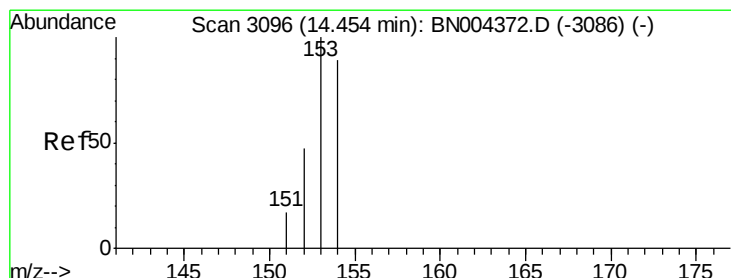
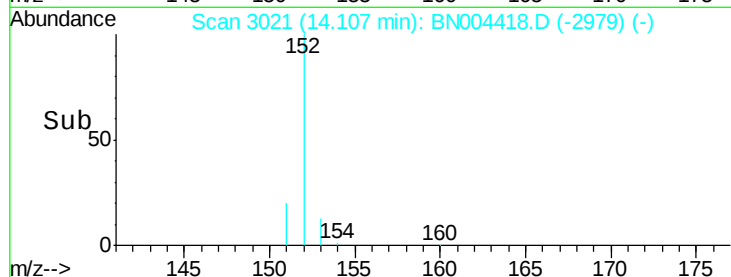
153 21.3 11.1 16.7#



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



Time-->



#8

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.45 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

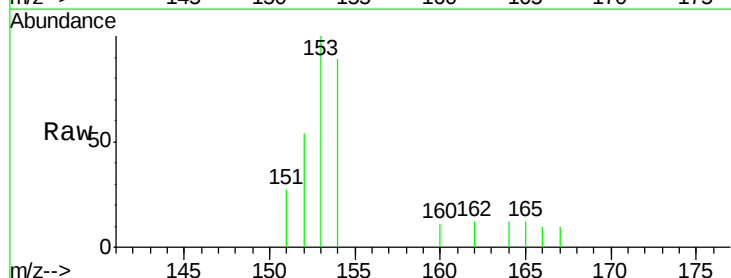
Tgt Ion:153 Resp: 636

Ion Ratio Lower Upper

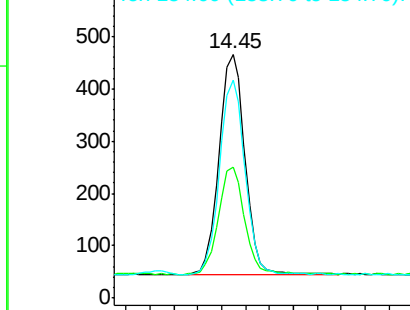
153 100

152 53.9 38.4 57.6

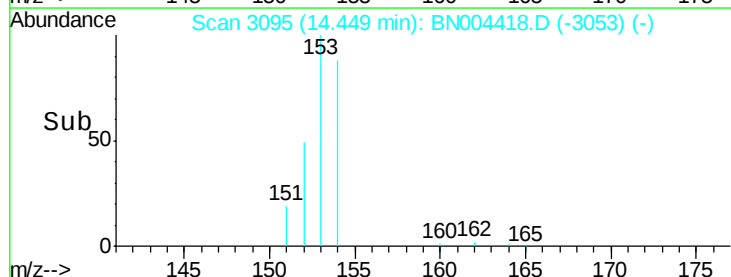
154 89.3 71.4 107.0

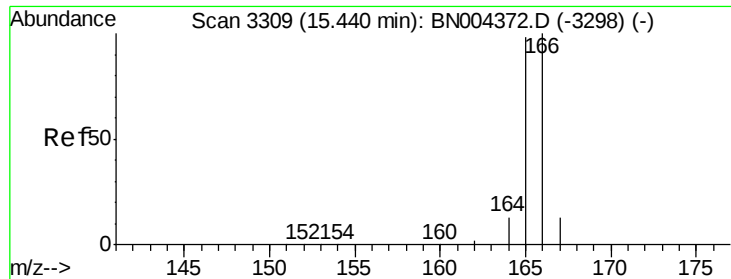


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->

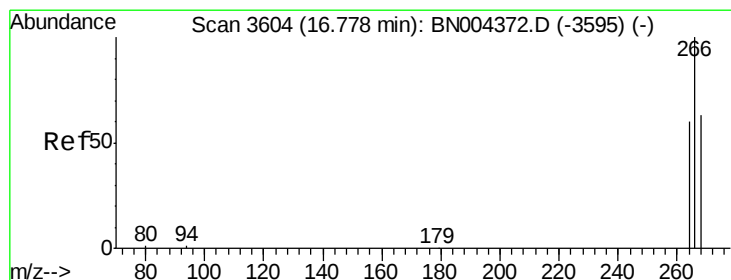
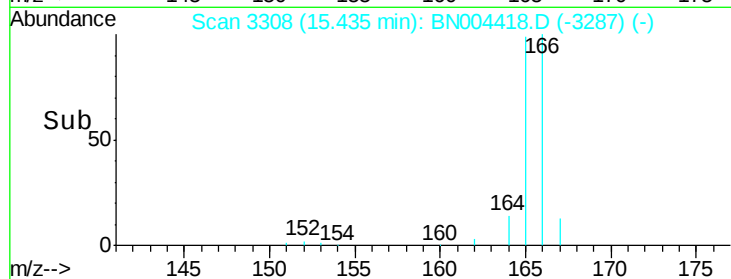
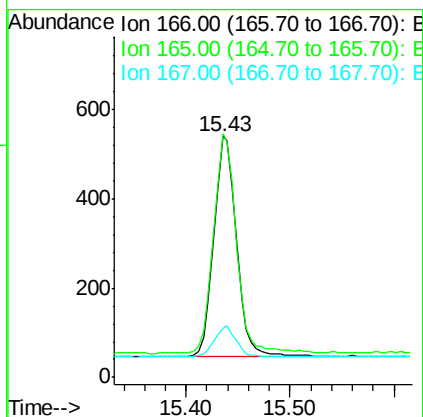
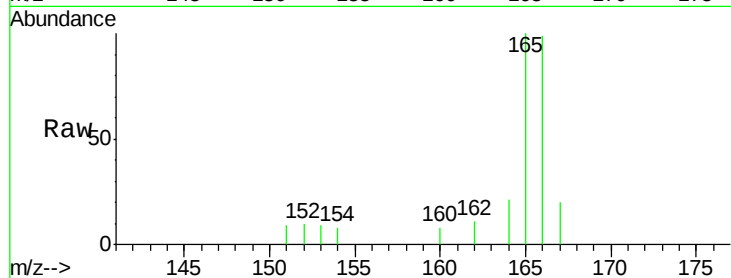




#9
Fluorene
 Concen: 0.07 ng/ul
 RT: 15.43 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BN004418.D
 Acq: 14 Feb 2019 13:53

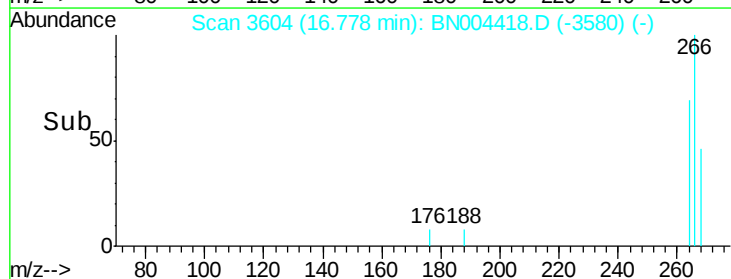
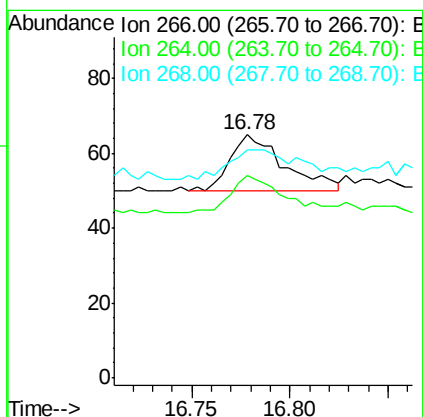
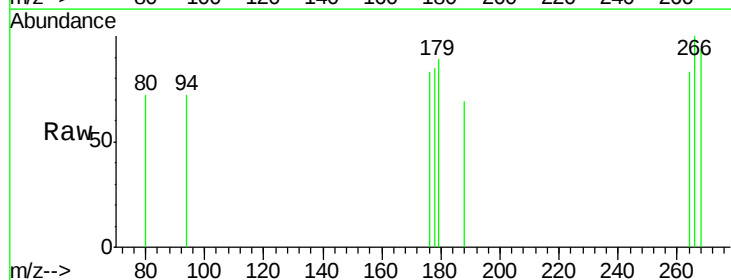
Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-03

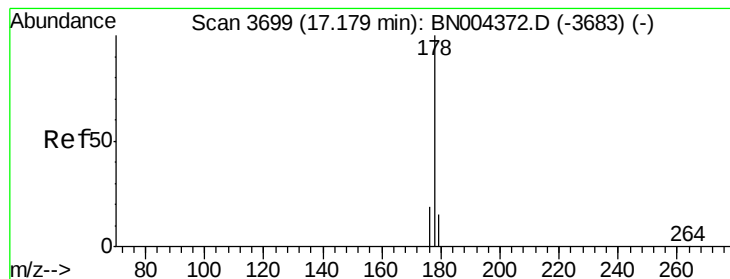
Tot Ion:166 Resp: 754
 Ion Ratio Lower Upper
 166 100
 165 101.1 78.9 118.3
 167 20.4 11.6 17.4#



#11
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.78 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: BN004418.D
 Acq: 14 Feb 2019 13:53

Tgt Ion:266 Resp: 29
 Ion Ratio Lower Upper
 266 100
 264 65.5 52.3 78.5
 268 86.2 49.0 73.6#





#12

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

Instrument :

BNA_N

ClientSampleId :

MDL-W-03

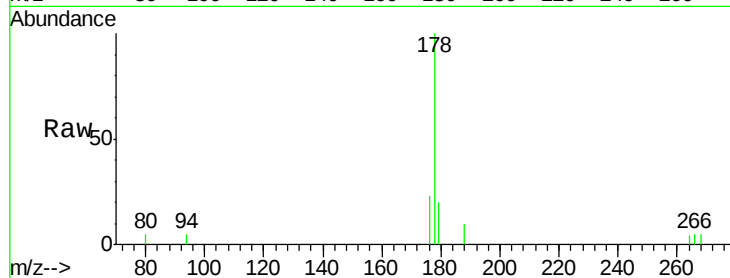
Tot Ion:178 Resp: 1467

Ion Ratio Lower Upper

178 100

179 19.7 12.6 19.0#

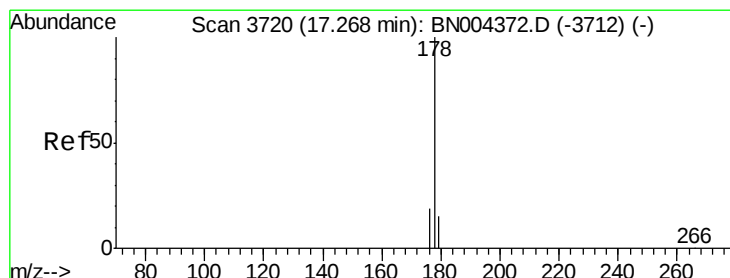
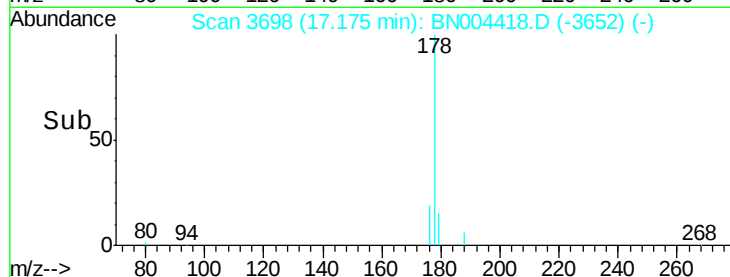
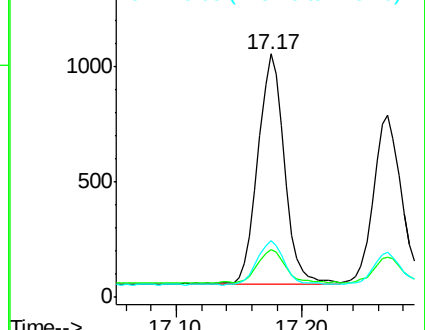
176 23.3 15.8 23.6



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: 0.06 ng/ul

RT: 17.27 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

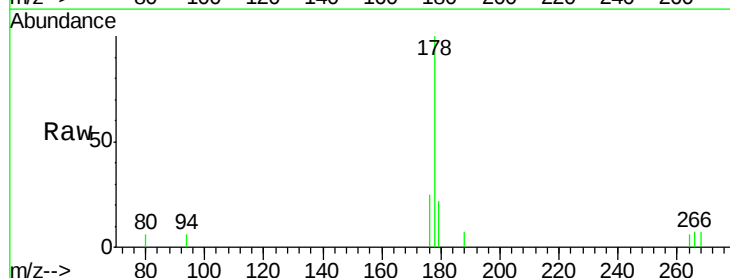
Tgt Ion:178 Resp: 1138

Ion Ratio Lower Upper

178 100

179 21.8 13.0 19.4#

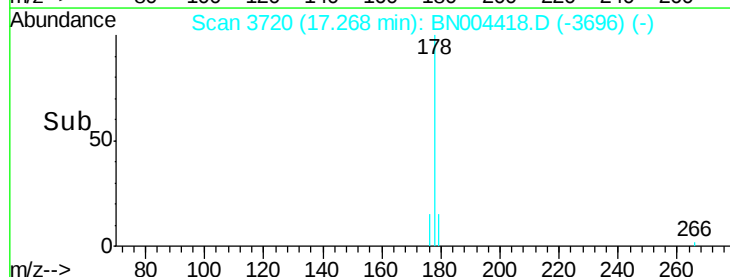
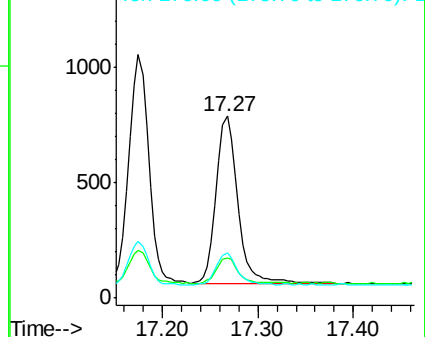
176 24.9 15.5 23.3#

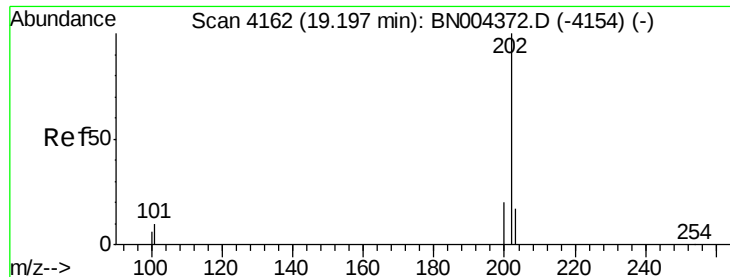


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.20 min Scan# 4162

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

Instrument :

BNA_N

ClientSampleId :

MDL-W-03

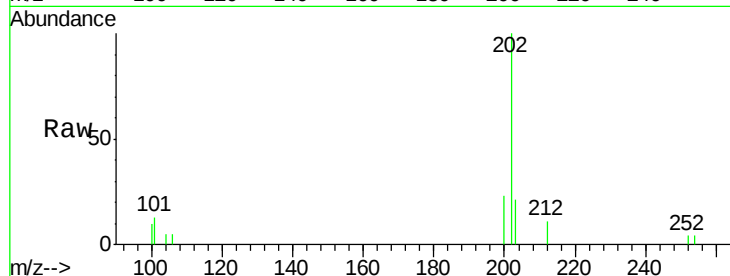
Tot Ion:202 Resp: 1794

Ion Ratio Lower Upper

202 100

101 12.6 0.0 30.4

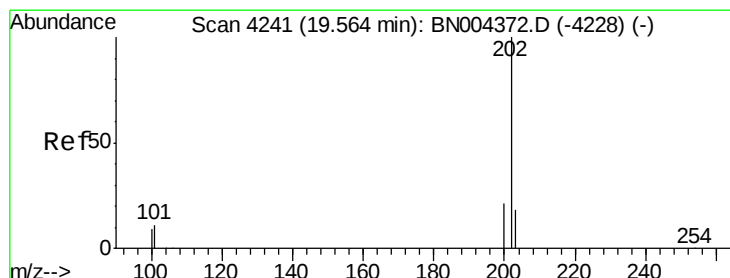
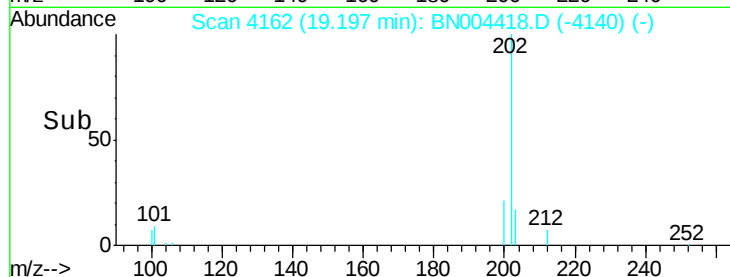
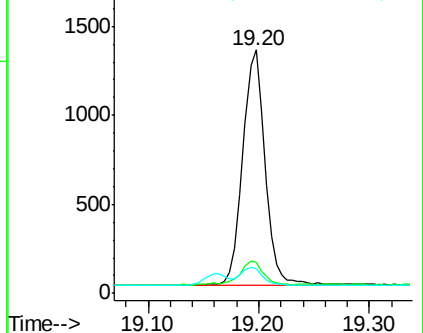
100 10.0 0.0 27.6



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: 0.07 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

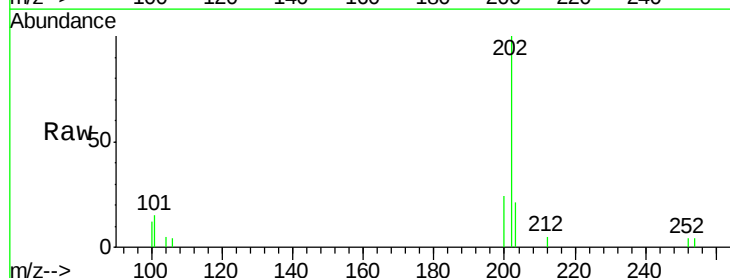
Tgt Ion:202 Resp: 1805

Ion Ratio Lower Upper

202 100

101 14.8 9.0 13.6#

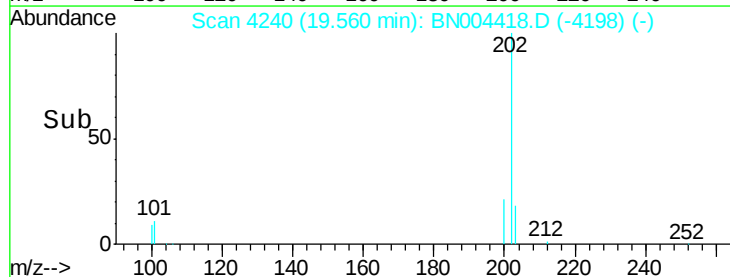
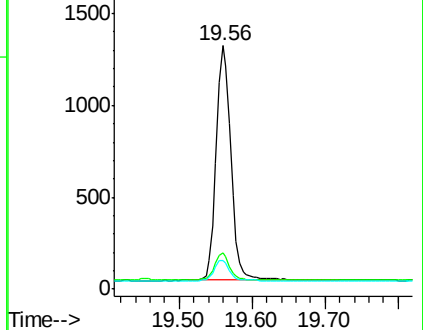
100 11.8 7.4 11.0#

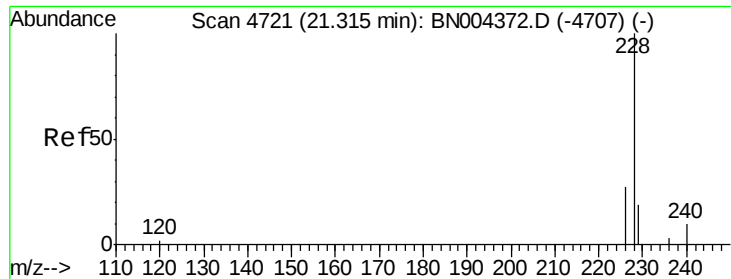


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.32 min Scan# 4721

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

Instrument :

BNA_N

ClientSampleId :

MDL-W-03

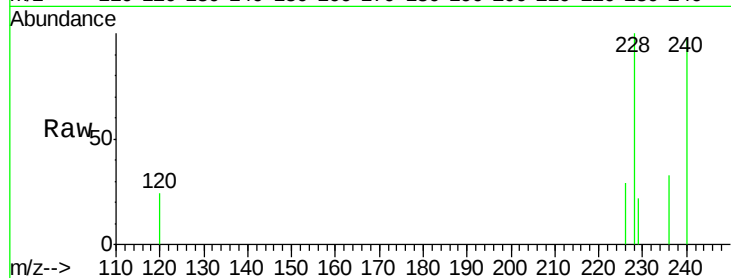
Tot Ion:228 Resp: 1768

Ion Ratio Lower Upper

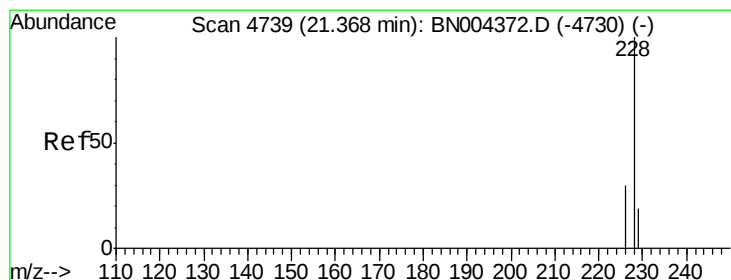
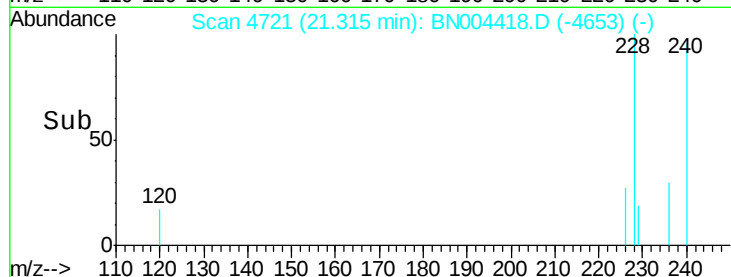
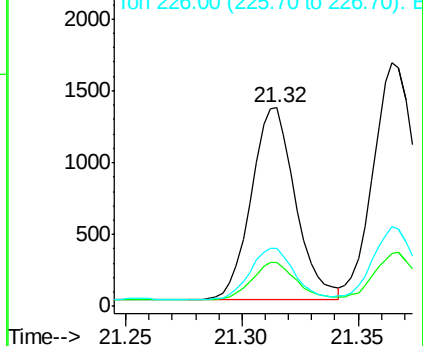
228 100

229 22.1 15.7 23.5

226 29.3 22.1 33.1



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: 0.07 ng/ul

RT: 21.36 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

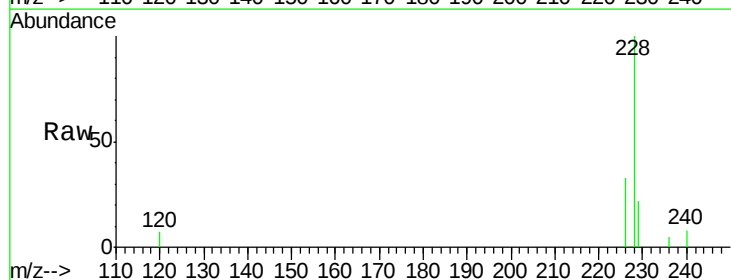
Tgt Ion:228 Resp: 2215

Ion Ratio Lower Upper

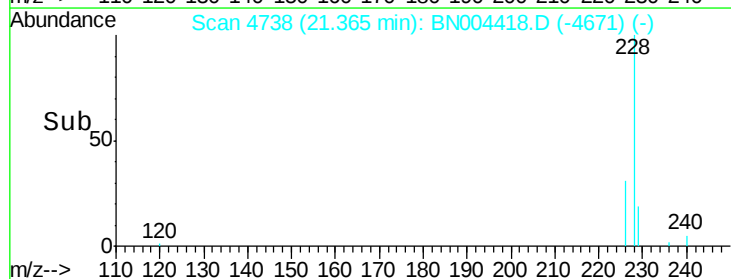
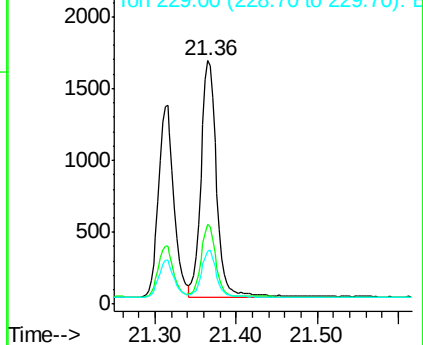
228 100

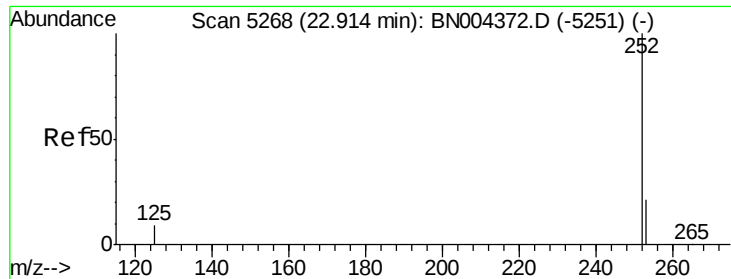
226 32.7 23.8 35.8

229 21.7 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: 0.07 ng/ul

RT: 22.91 min Scan# 5267

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

Instrument :

BNA_N

ClientSampleId :

MDL-W-03

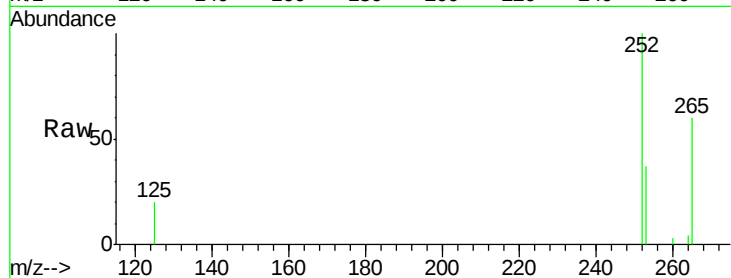
Tot Ion:252 Resp: 2430

Ion Ratio Lower Upper

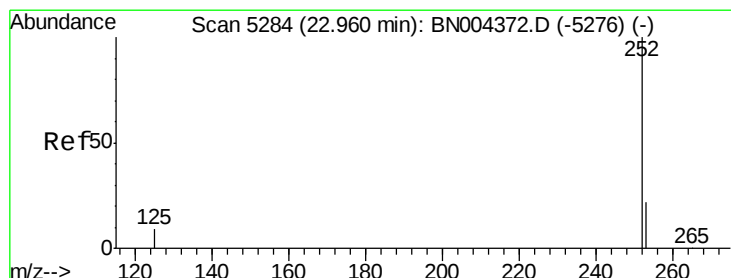
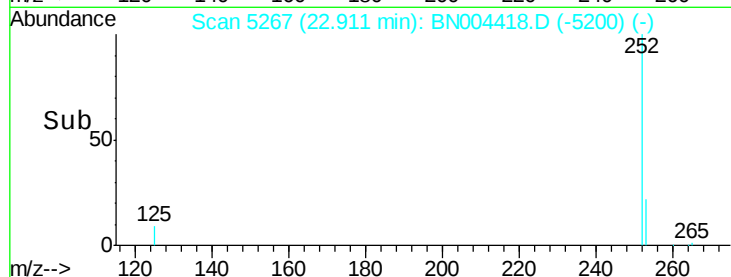
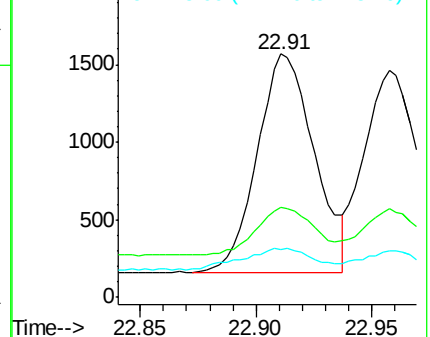
252 100

253 36.8 0.0 48.0

125 19.6 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: 0.07 ng/ul

RT: 22.96 min Scan# 5283

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

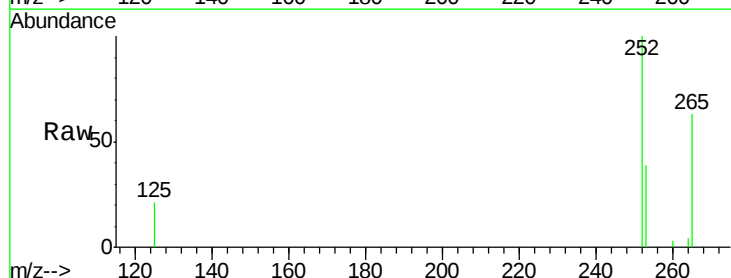
Tgt Ion:252 Resp: 2212

Ion Ratio Lower Upper

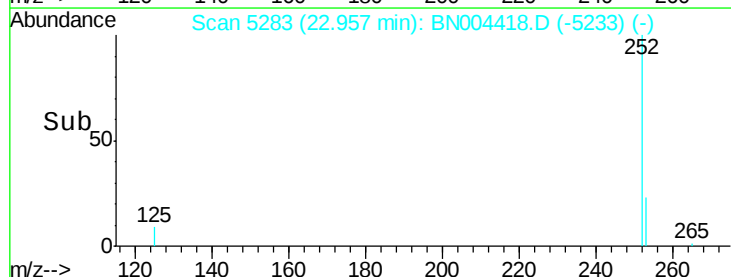
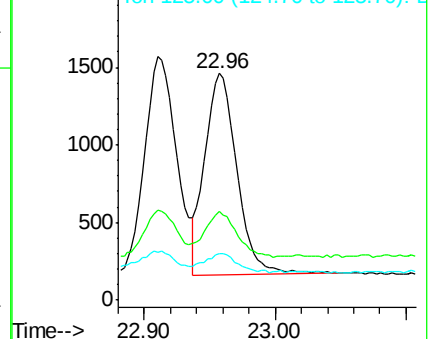
252 100

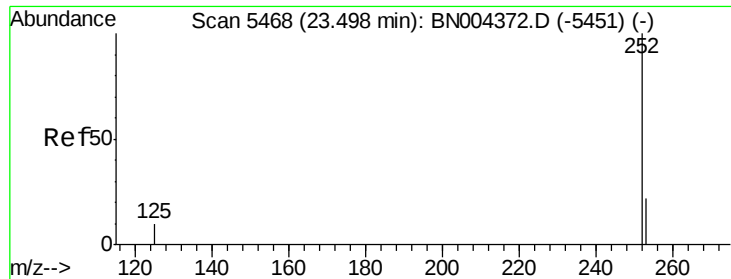
253 38.9 19.5 29.3#

125 20.6 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: 0.07 ng/ul

RT: 23.50 min Scan# 5467

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

Instrument :

BNA_N

ClientSampled :

MDL-W-03

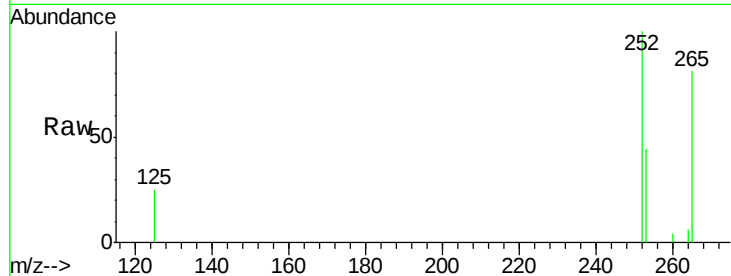
Tot Ion:252 Resp: 2019

Ion Ratio Lower Upper

252 100

253 43.7 20.4 30.6#

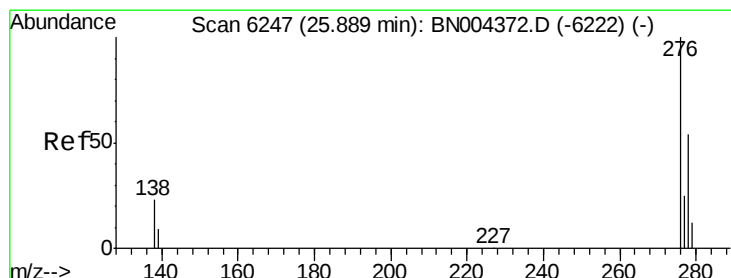
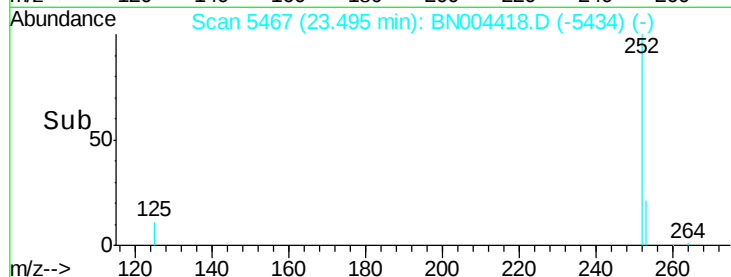
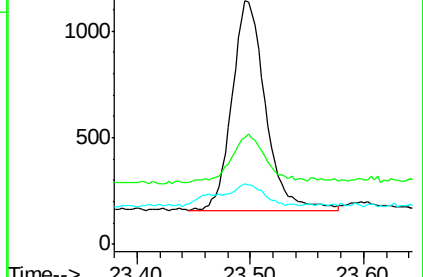
125 24.8 10.6 15.8#



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: 0.07 ng/ul

RT: 25.89 min Scan# 6247

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

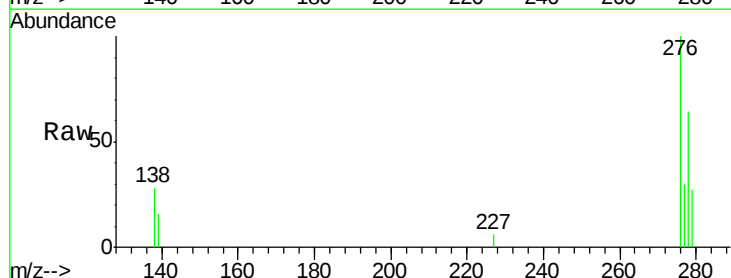
Tgt Ion:276 Resp: 2718

Ion Ratio Lower Upper

276 100

138 22.9 19.1 28.7

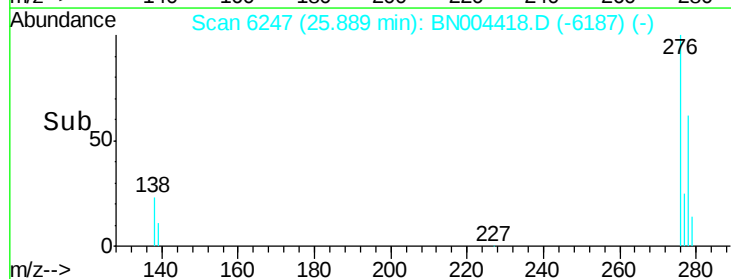
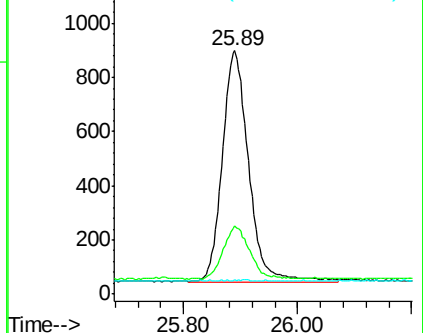
227 0.1 0.2 0.4#

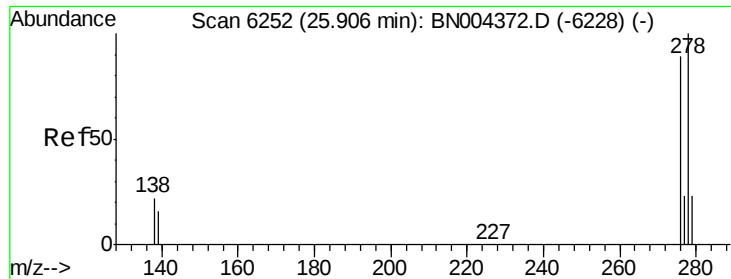


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 25.91 min Scan# 6252

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

Instrument :

BNA_N

ClientSampleId :

MDL-W-03

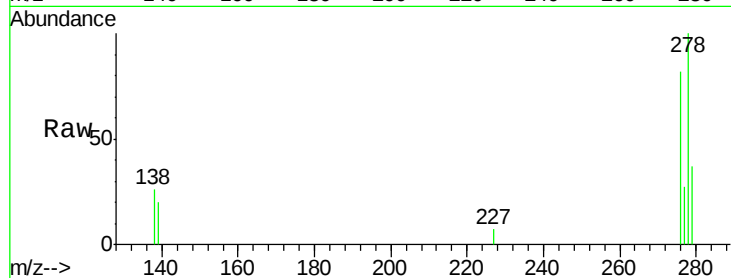
Tot Ion:278 Resp: 2196

Ion Ratio Lower Upper

278 100

139 20.4 13.8 20.6

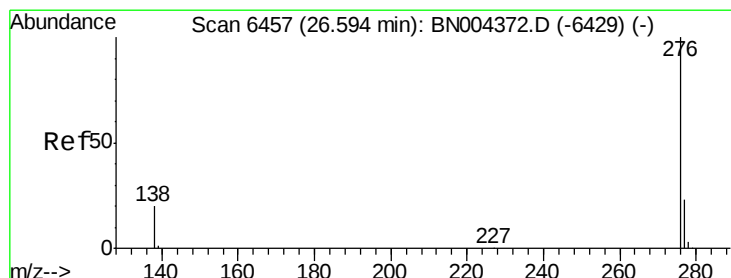
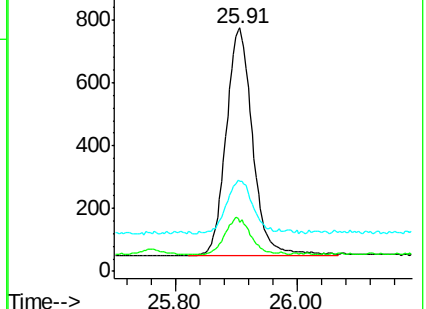
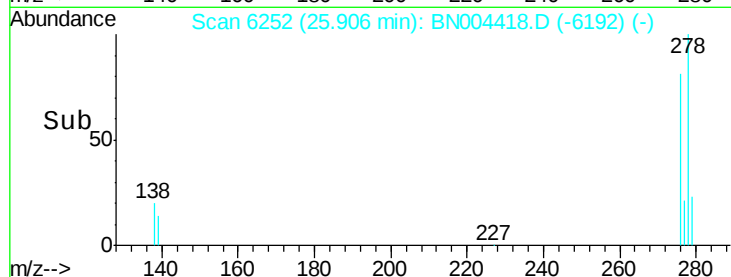
279 37.2 20.4 30.6#



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: 0.07 ng/ul

RT: 26.59 min Scan# 6457

Delta R.T. -0.00 min

Lab File: BN004418.D

Acq: 14 Feb 2019 13:53

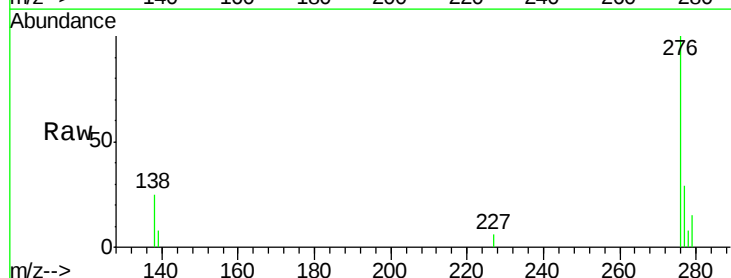
Tgt Ion:276 Resp: 2557

Ion Ratio Lower Upper

276 100

138 25.2 16.8 25.2

277 28.6 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

