

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
 Data File : BN004419.D
 Acq On : 14 Feb 2019 14:28
 Operator : JU/SJ
 Sample : MDL-W-04
 Misc : 0.07 PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-04

Quant Time: Feb 14 15:07:38 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

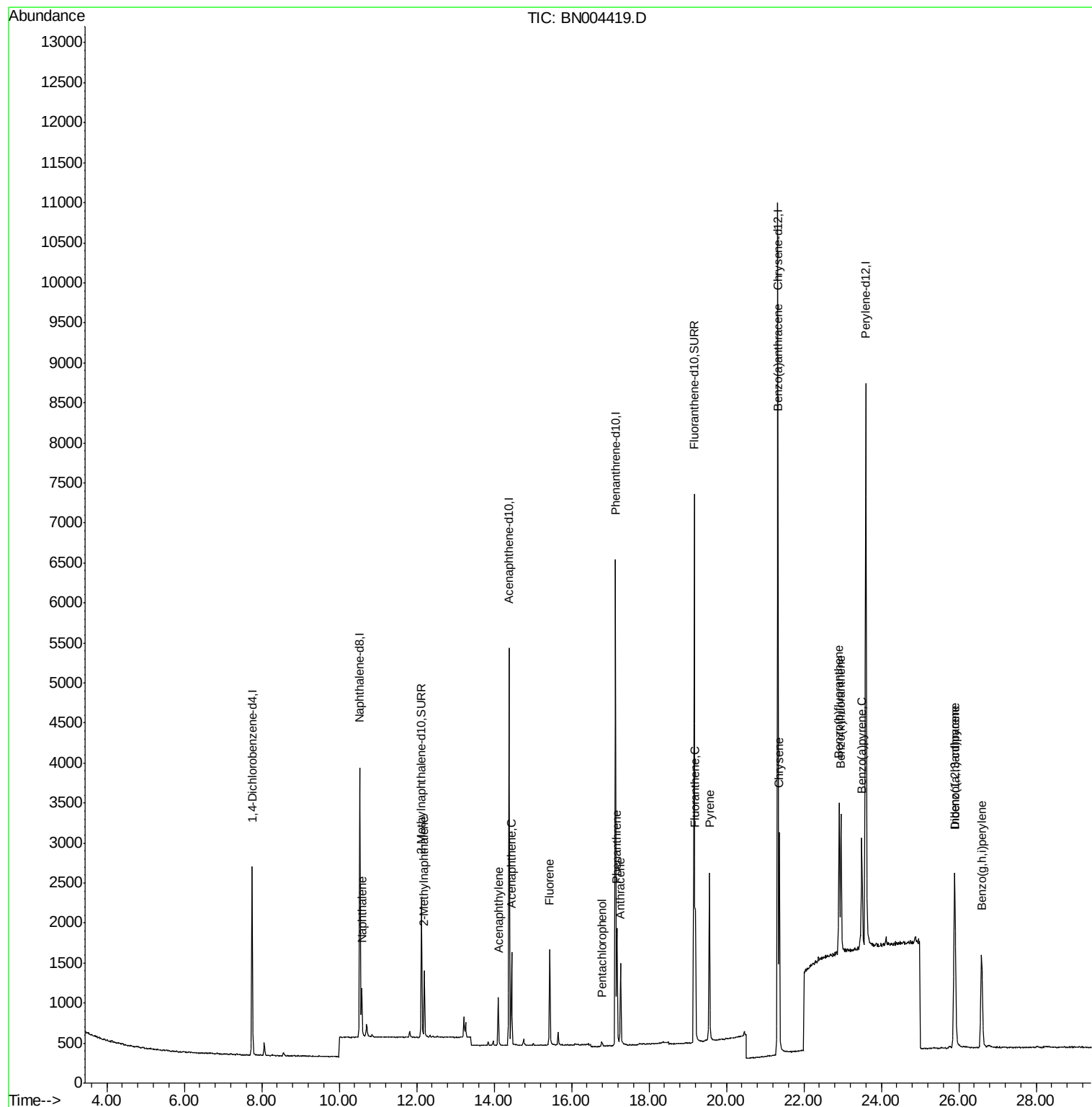
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	1196	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	4608	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2716	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	7529	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	9482	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	9750	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	2455	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	7872	0.33	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.58	128	823	0.062	ng/ul#	83
5) 2-Methylnaphthalene	12.20	142	590	0.062	ng/ul	100
7) Acenaphthylene	14.11	152	709	0.057	ng/ul#	86
8) Acenaphthene	14.45	153	667	0.062	ng/ul	96
9) Fluorene	15.43	166	795	0.062	ng/ul#	94
11) Pentachlorophenol	16.78	266	58	0.036	ng/ul	88
12) Phenanthrene	17.17	178	1515	0.062	ng/ul#	90
13) Anthracene	17.26	178	1163	0.056	ng/ul#	89
15) Fluoranthene	19.20	202	1882	0.063	ng/ul	94
17) Pyrene	19.56	202	1873	0.061	ng/ul#	91
18) Benzo(a)anthracene	21.31	228	1846	0.060	ng/ul	95
19) Chrysene	21.36	228	2276	0.064	ng/ul	96
21) Benzo(b)fluoranthene	22.91	252	2450	0.063	ng/ul	76
22) Benzo(k)fluoranthene	22.96	252	2341	0.061	ng/ul#	73
23) Benzo(a)pyrene	23.50	252	2086	0.060	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.89	276	2838	0.062	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.90	278	2268	0.061	ng/ul#	84
26) Benzo(g,h,i)perylene	26.59	276	2620	0.063	ng/ul	91

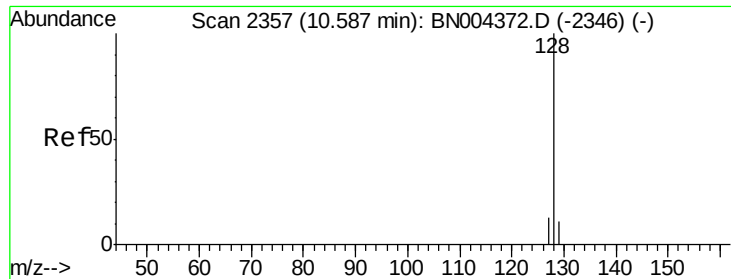
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.062 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

Instrument :

BNA_N

ClientSampleId :

MDL-W-04

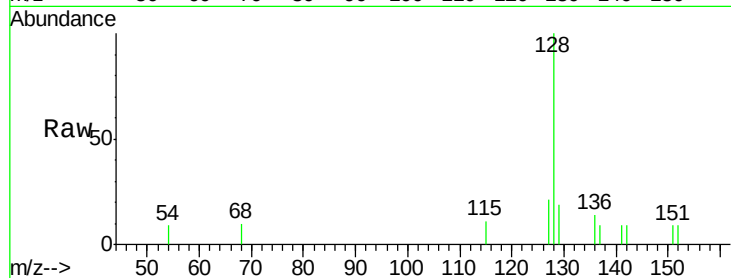
Tot Ion:128 Resp: 823

Ion Ratio Lower Upper

128 100

129 18.7 9.8 14.6#

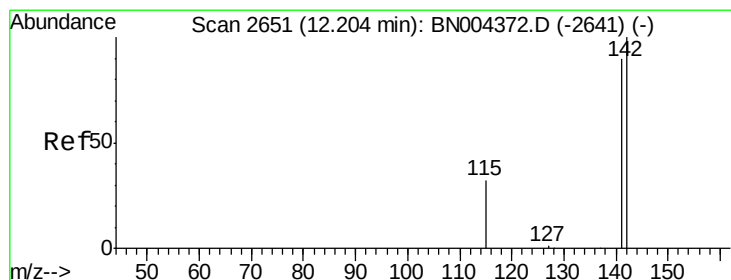
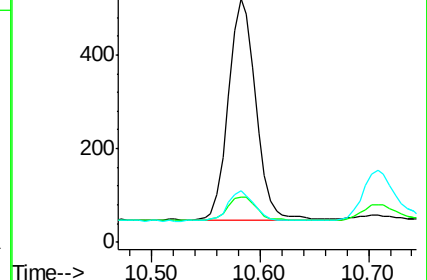
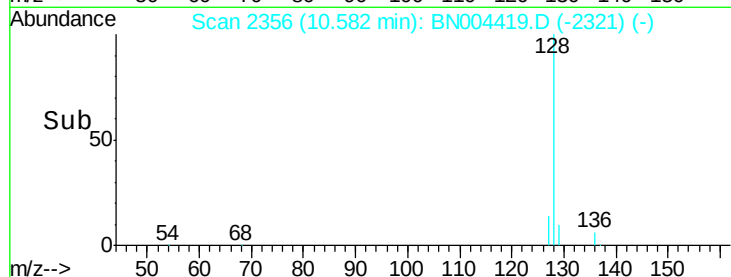
127 21.2 11.4 17.0#



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: 0.062 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004419.D

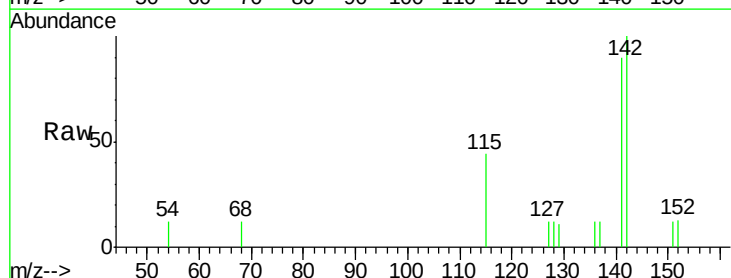
Acq: 14 Feb 2019 14:28

Tgt Ion:142 Resp: 590

Ion Ratio Lower Upper

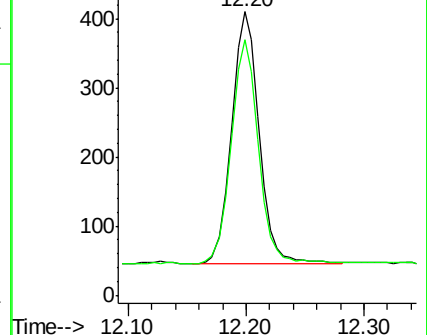
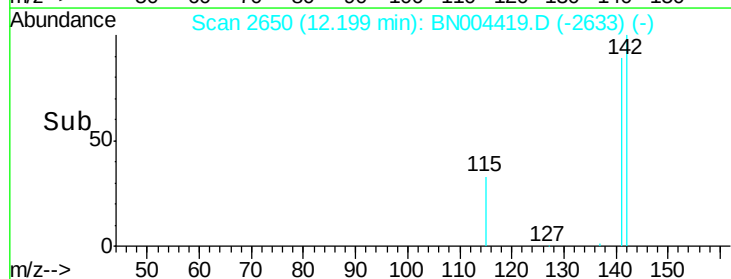
142 100

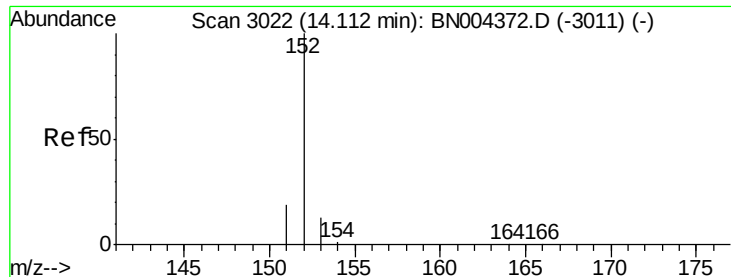
141 89.8 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.057 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

Instrument :

BNA_N

ClientSampleId :

MDL-W-04

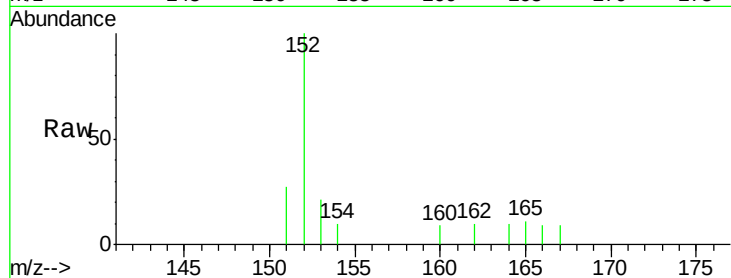
Tot Ion:152 Resp: 709

Ion Ratio Lower Upper

152 100

151 26.8 16.6 24.8#

153 20.6 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

14.11

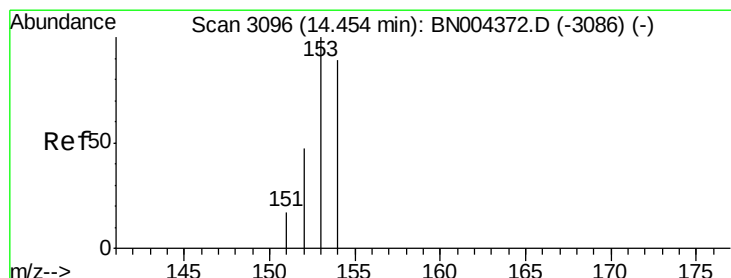
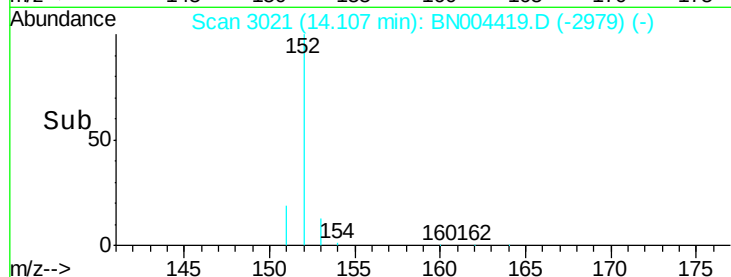
400

200

0

Time-->

14.00 14.10 14.20 14.30



#8

Acenaphthene

Concen: 0.062 ng/ul

RT: 14.45 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

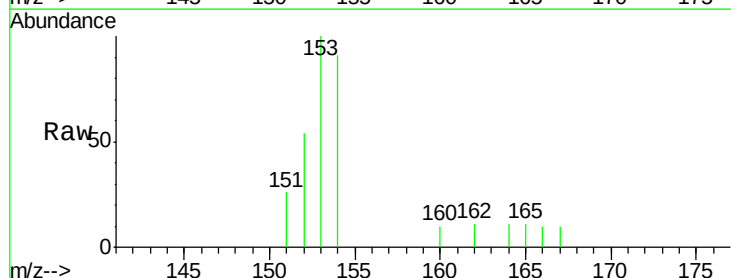
Tgt Ion:153 Resp: 667

Ion Ratio Lower Upper

153 100

152 53.8 38.4 57.6

154 90.6 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

14.45

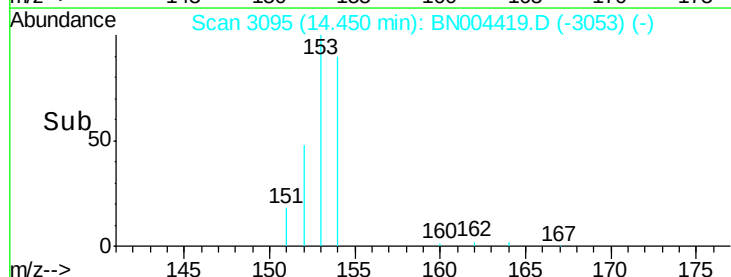
400

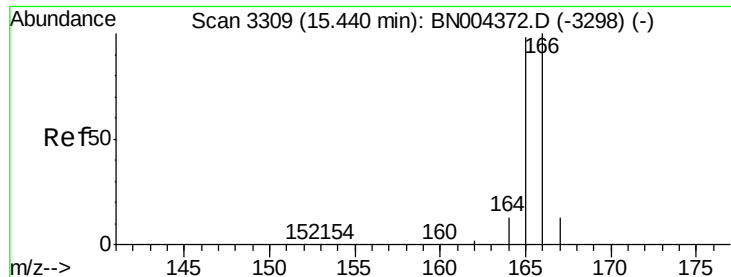
200

0

Time-->

14.40 14.45 14.50

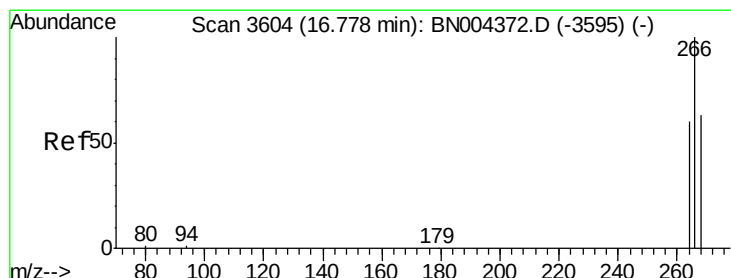
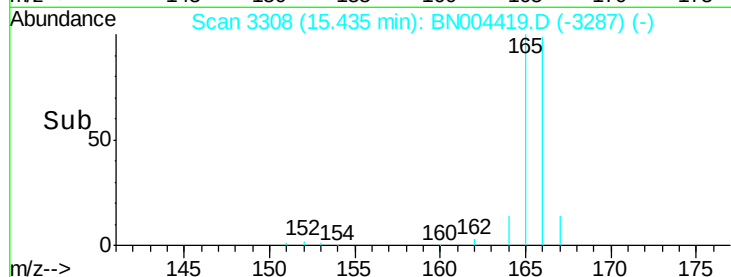
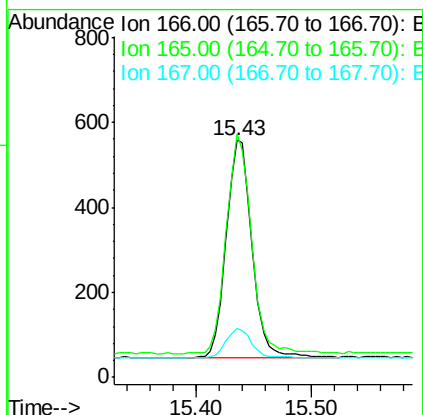
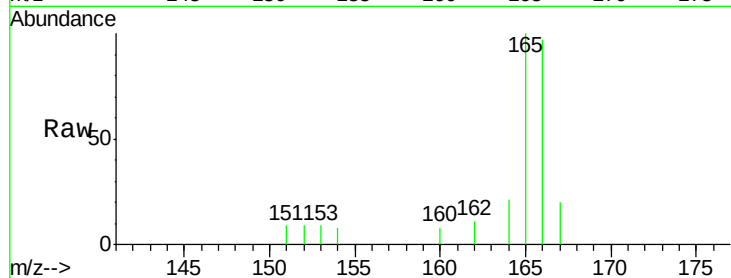




#9
Fluorene
 Concen: 0.062 ng/ul
 RT: 15.43 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BN004419.D
 Acq: 14 Feb 2019 14:28

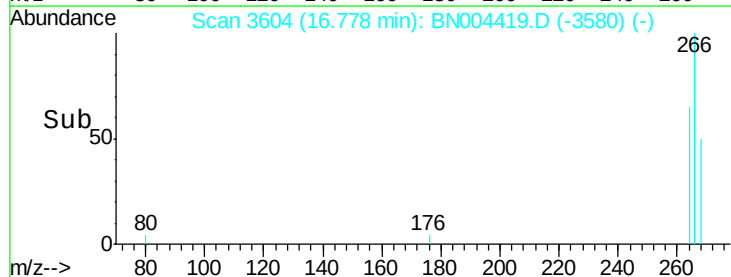
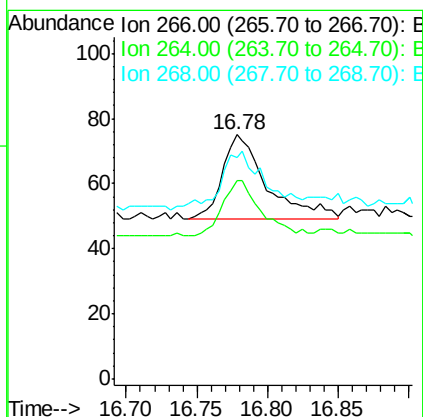
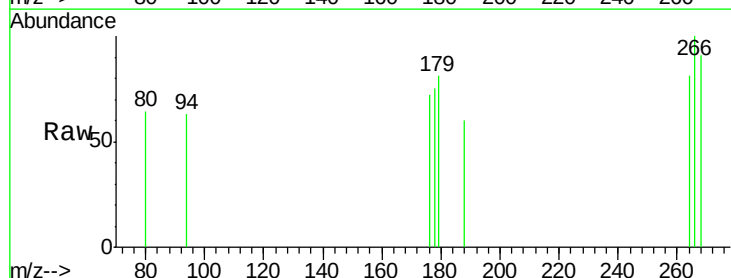
Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-04

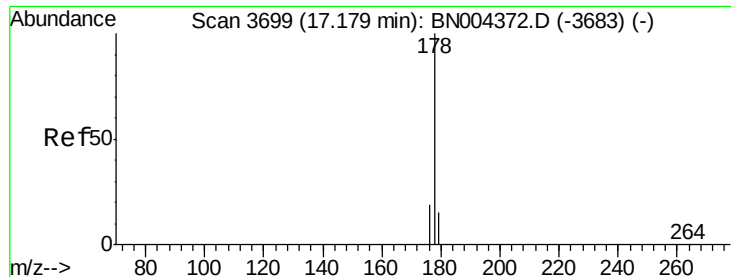
Tot Ion:166 Resp: 795
 Ion Ratio Lower Upper
 166 100
 165 102.9 78.9 118.3
 167 20.8 11.6 17.4#



#11
Pentachlorophenol
 Concen: 0.036 ng/ul
 RT: 16.78 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: BN004419.D
 Acq: 14 Feb 2019 14:28

Tgt Ion:266 Resp: 58
 Ion Ratio Lower Upper
 266 100
 264 55.2 52.3 78.5
 268 69.0 49.0 73.6





#12

Phenanthrene

Concen: 0.062 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

Instrument :

BNA_N

ClientSampleId :

MDL-W-04

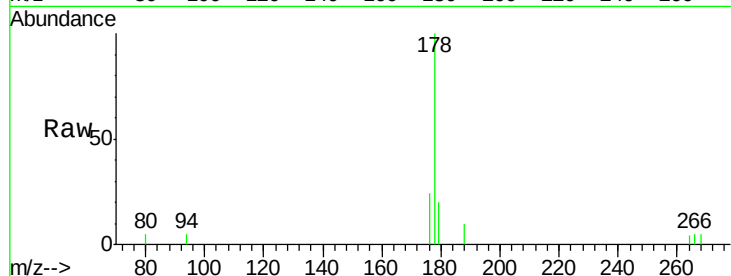
Tot Ion:178 Resp: 1515

Ion Ratio Lower Upper

178 100

179 20.5 12.6 19.0#

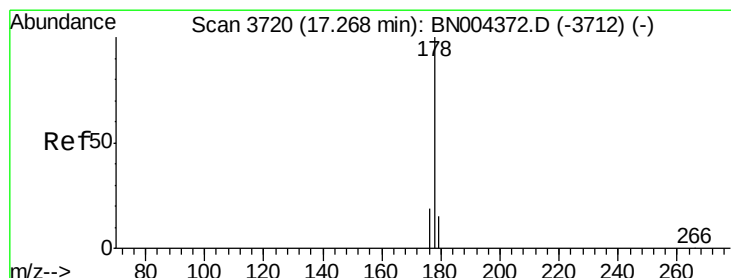
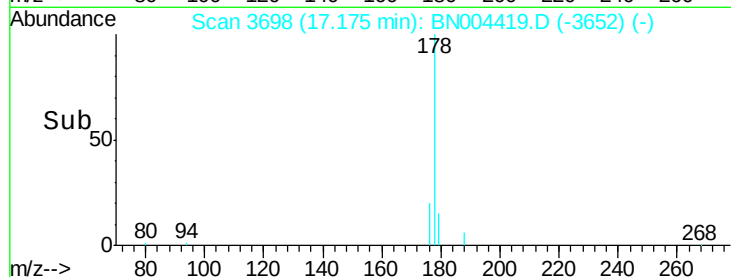
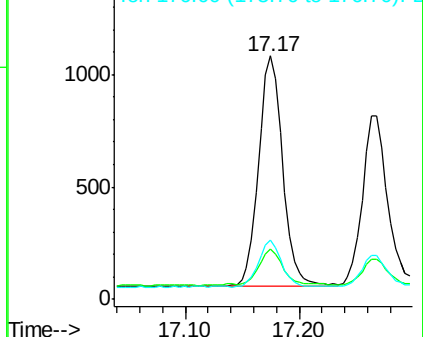
176 24.3 15.8 23.6#



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: 0.056 ng/ul

RT: 17.26 min Scan# 3719

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

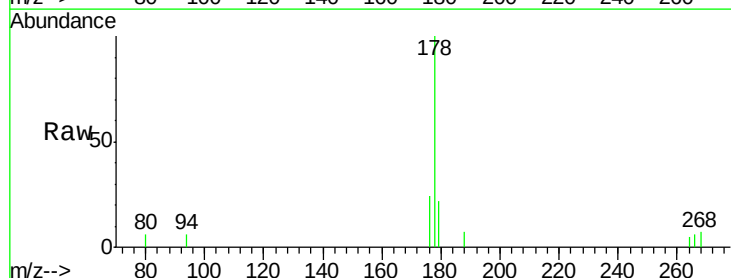
Tgt Ion:178 Resp: 1163

Ion Ratio Lower Upper

178 100

179 21.6 13.0 19.4#

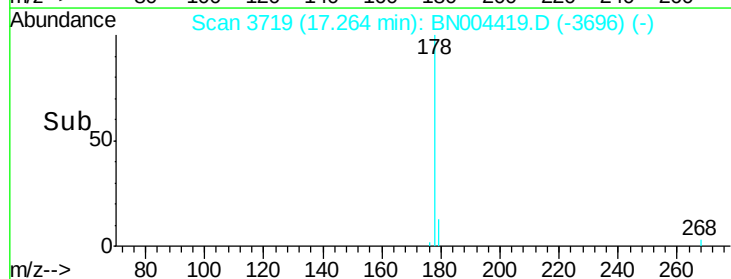
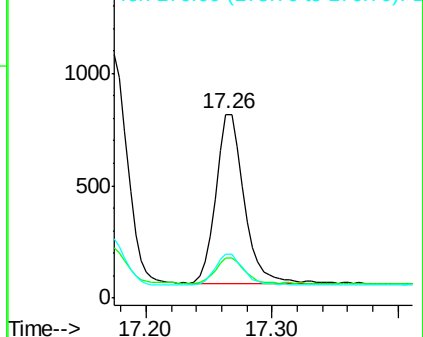
176 24.1 15.5 23.3#

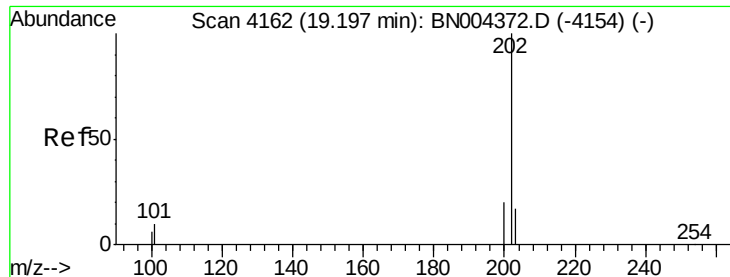


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.063 ng/ul

RT: 19.20 min Scan# 4162

Delta R.T. 0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

Instrument :

BNA_N

ClientSampleId :

MDL-W-04

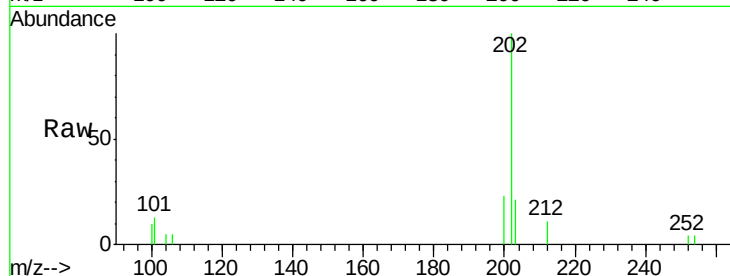
Tot Ion:202 Resp: 1882

Ion Ratio Lower Upper

202 100

101 12.6 0.0 30.4

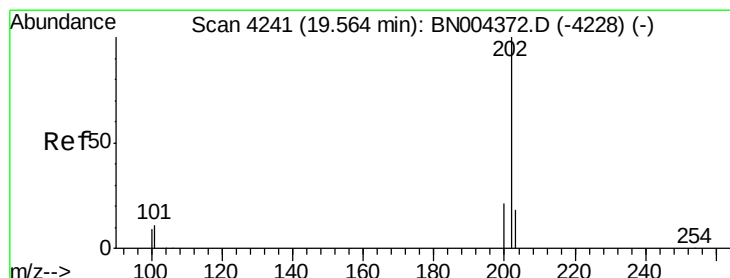
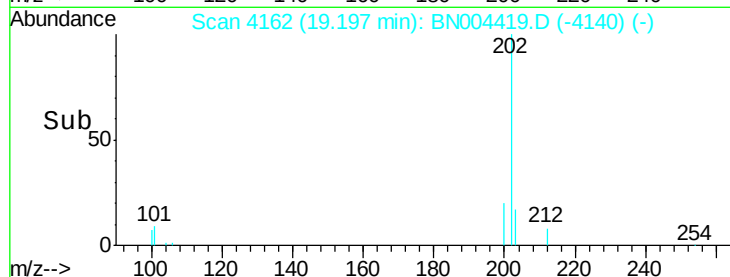
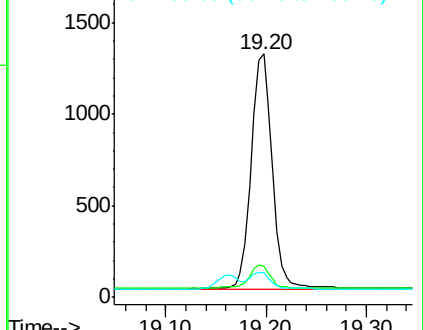
100 10.0 0.0 27.6



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: 0.061 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

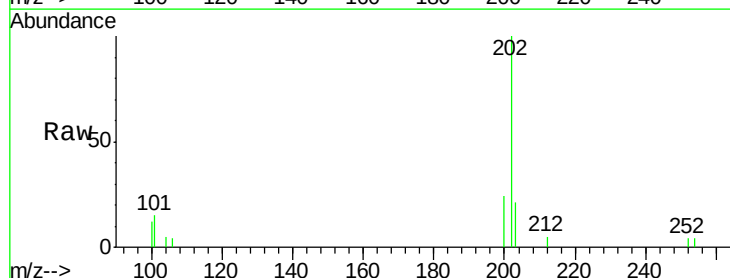
Tgt Ion:202 Resp: 1873

Ion Ratio Lower Upper

202 100

101 14.7 9.0 13.6#

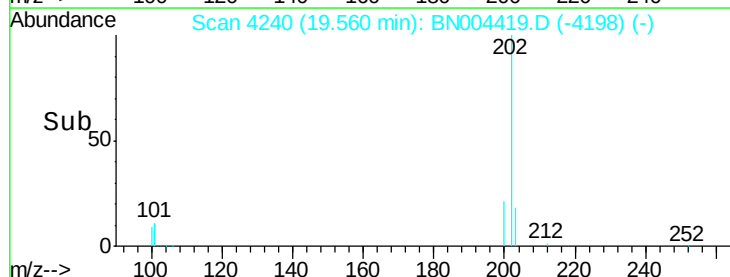
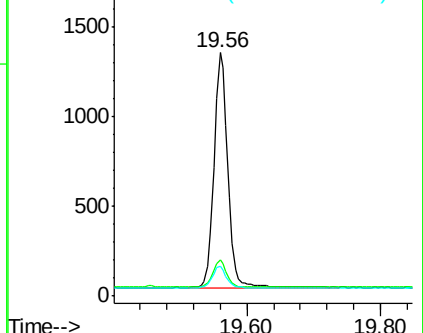
100 12.4 7.4 11.0#

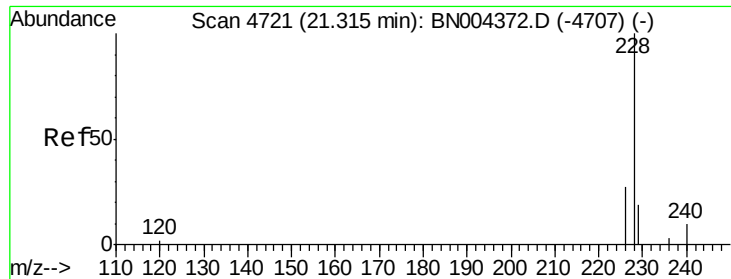


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.060 ng/ul

RT: 21.31 min Scan# 4720

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

Instrument :

BNA_N

ClientSampleId :

MDL-W-04

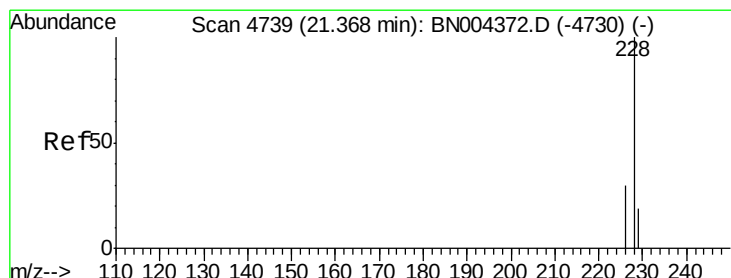
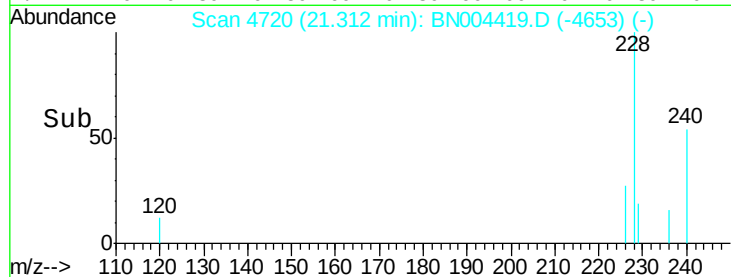
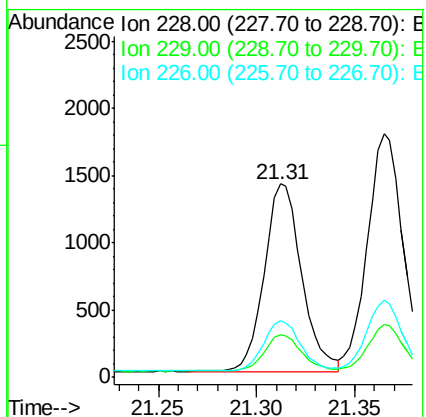
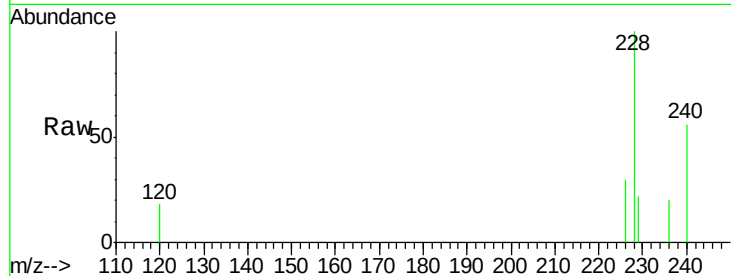
Tot Ion:228 Resp: 1846

Ion Ratio Lower Upper

228 100

229 22.1 15.7 23.5

226 29.7 22.1 33.1



#19

Chrysene

Concen: 0.064 ng/ul

RT: 21.36 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

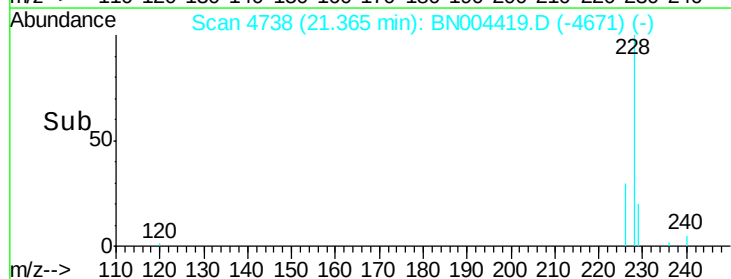
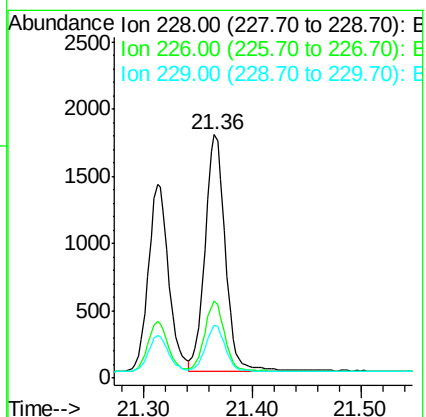
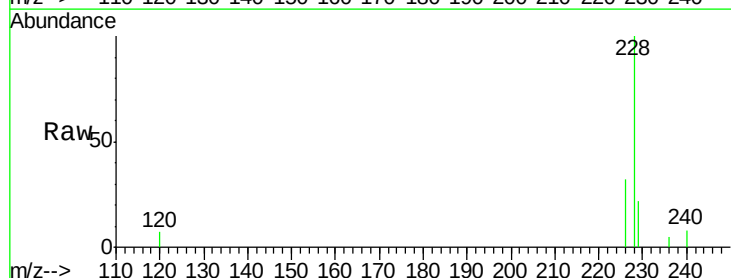
Tgt Ion:228 Resp: 2276

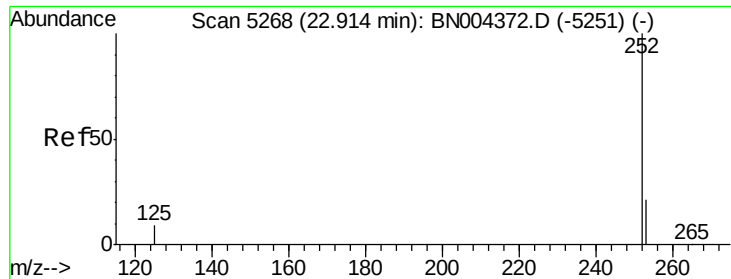
Ion Ratio Lower Upper

228 100

226 31.8 23.8 35.8

229 21.9 15.8 23.6





#21

Benzo(b)fluoranthene

Concen: 0.063 ng/ul

RT: 22.91 min Scan# 5267

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

Instrument :

BNA_N

ClientSampleId :

MDL-W-04

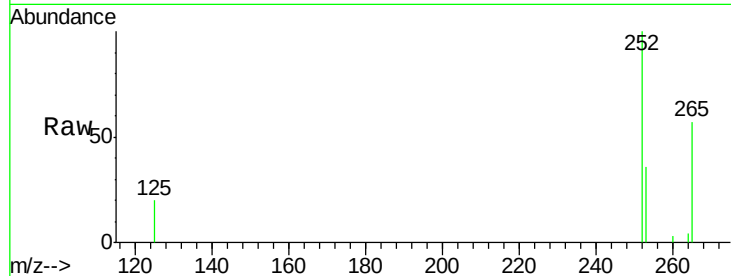
Tot Ion:252 Resp: 2450

Ion Ratio Lower Upper

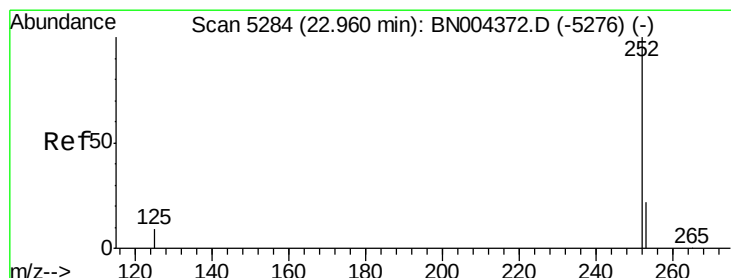
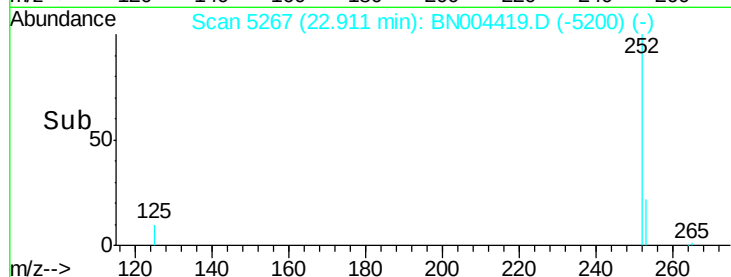
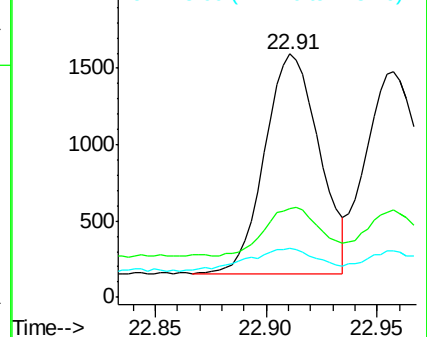
252 100

253 36.2 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: 0.061 ng/ul

RT: 22.96 min Scan# 5283

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

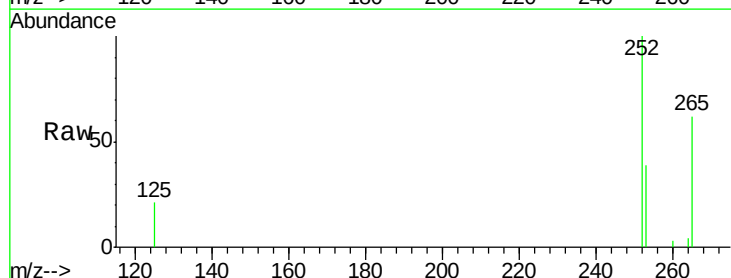
Tgt Ion:252 Resp: 2341

Ion Ratio Lower Upper

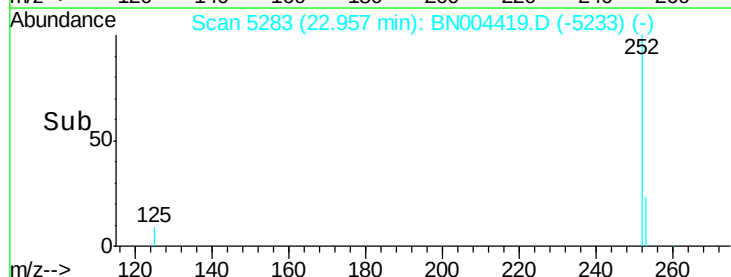
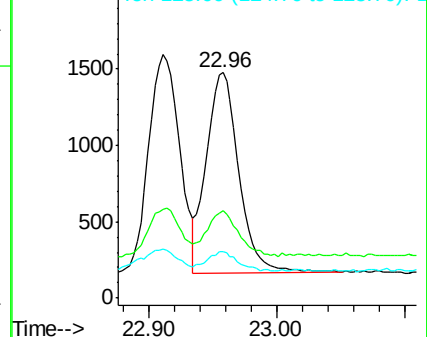
252 100

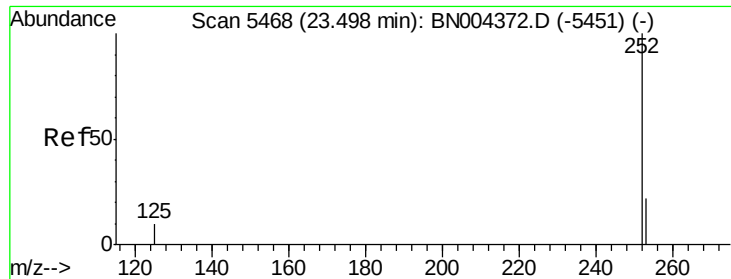
253 38.8 19.5 29.3#

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: 0.060 ng/ul

RT: 23.50 min Scan# 5467

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

Instrument :

BNA_N

ClientSampleId :

MDL-W-04

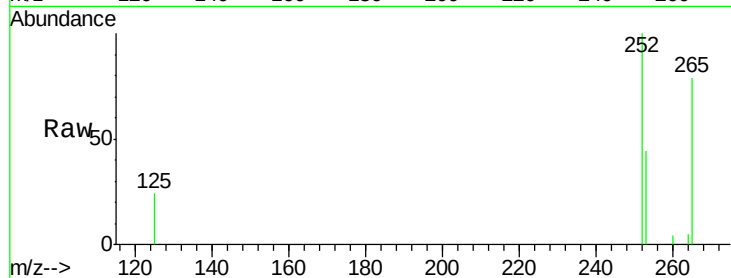
Tot Ion:252 Resp: 2086

Ion Ratio Lower Upper

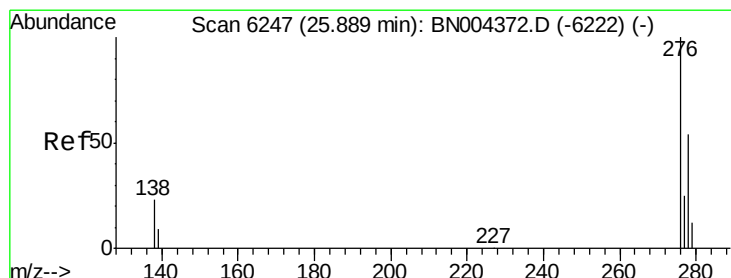
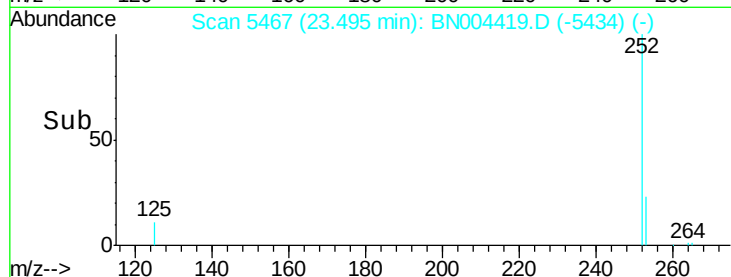
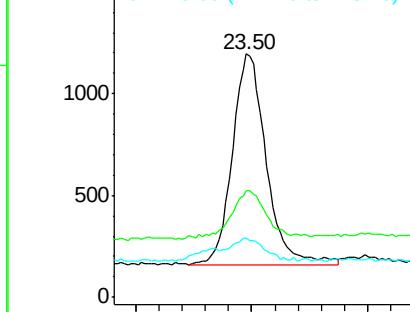
252 100

253 43.6 20.4 30.6#

125 24.4 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: 0.062 ng/ul

RT: 25.89 min Scan# 6246

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

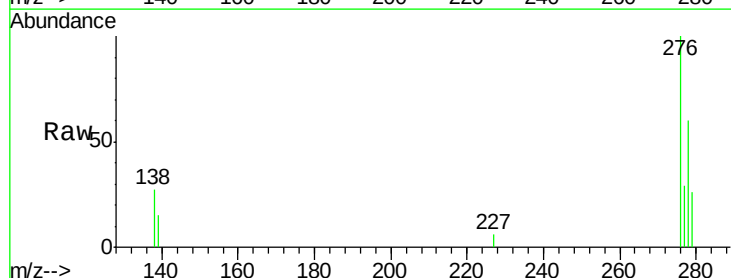
Tgt Ion:276 Resp: 2838

Ion Ratio Lower Upper

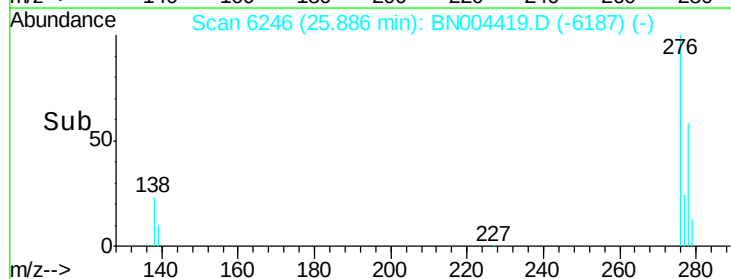
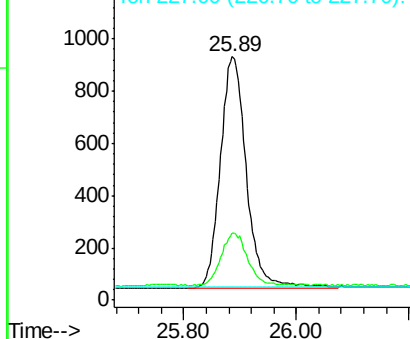
276 100

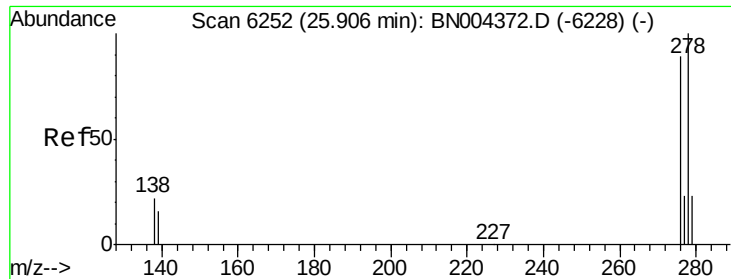
138 23.3 19.1 28.7

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: 0.061 ng/ul

RT: 25.90 min Scan# 6251

Delta R.T. -0.00 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

Instrument :

BNA_N

ClientSampleId :

MDL-W-04

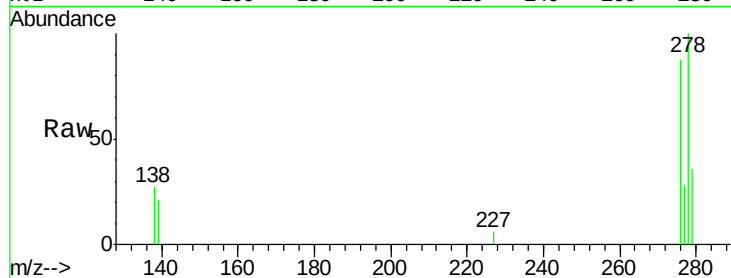
Tot Ion:278 Resp: 2268

Ion Ratio Lower Upper

278 100

139 20.9 13.8 20.6#

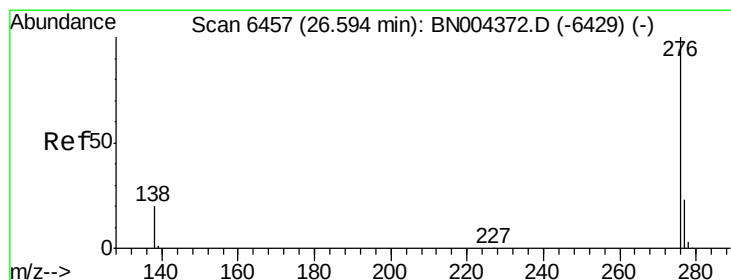
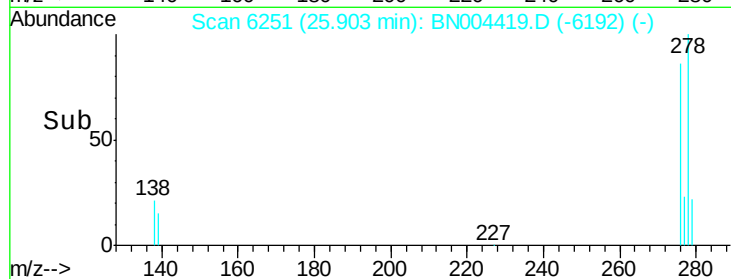
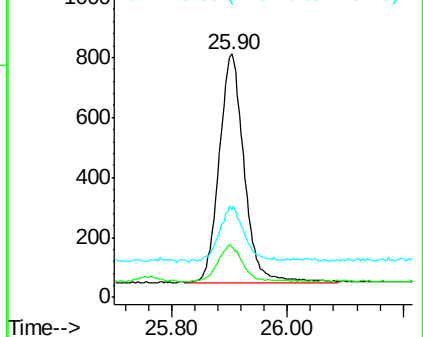
279 36.1 20.4 30.6#



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: 0.063 ng/ul

RT: 26.59 min Scan# 6455

Delta R.T. -0.01 min

Lab File: BN004419.D

Acq: 14 Feb 2019 14:28

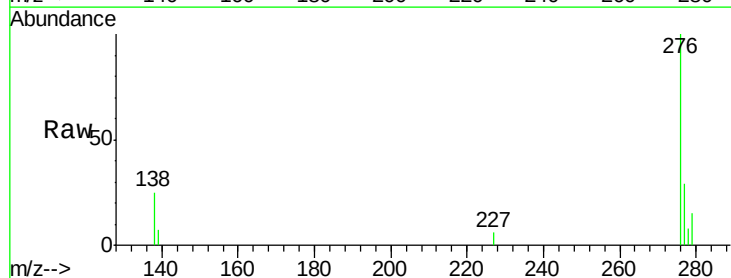
Tgt Ion:276 Resp: 2620

Ion Ratio Lower Upper

276 100

138 25.1 16.8 25.2

277 28.8 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

