

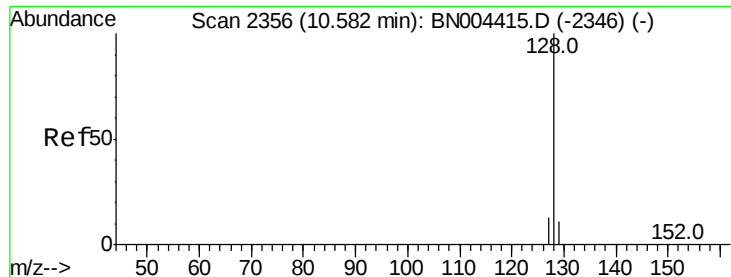
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
 Data File : BN004417.D
 Acq On : 14 Feb 2019 13:18
 Operator : JU/SJ
 Sample : MDL-W-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-02

Quant Time: Feb 14 15:00:11 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	1004	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3910	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2378	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	6728	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	8619	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8841	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	2217	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	7233	0.34	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.58	128	827	0.074	ng/ul#	83
5) 2-Methylnaphthalene	12.20	142	593	0.074	ng/ul	100
7) Acenaphthylene	14.11	152	730	0.067	ng/ul#	84
8) Acenaphthene	14.45	153	682	0.072	ng/ul	96
9) Fluorene	15.44	166	830	0.074	ng/ul#	97
11) Pentachlorophenol	16.78	266	37	0.026	ng/ul	97
12) Phenanthrene	17.17	178	1580	0.072	ng/ul#	90
13) Anthracene	17.27	178	1249	0.068	ng/ul#	90
15) Fluoranthene	19.20	202	1996	0.074	ng/ul	95
17) Pyrene	19.56	202	1977	0.071	ng/ul#	92
18) Benzo(a)anthracene	21.31	228	1944	0.070	ng/ul	96
19) Chrysene	21.37	228	2420	0.075	ng/ul	97
21) Benzo(b)fluoranthene	22.91	252	2590	0.073	ng/ul	78
22) Benzo(k)fluoranthene	22.96	252	2430	0.070	ng/ul#	76
23) Benzo(a)pyrene	23.50	252	2152	0.068	ng/ul#	69
24) Indeno(1,2,3-cd)pyrene	25.89	276	2984	0.072	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.90	278	2383	0.071	ng/ul#	83
26) Benzo(g,h,i)perylene	26.59	276	2769	0.073	ng/ul	93

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



#3

Naphthalene

Concen: 0.074 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

Instrument :

BNA_N

ClientSampleId :

MDL-W-02

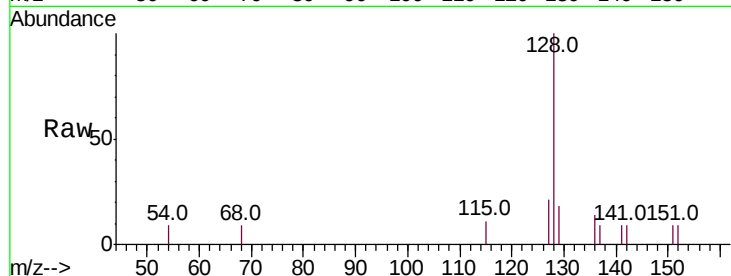
Tot Ion:128 Resp: 827

Ion Ratio Lower Upper

128 100

129 18.5 9.8 14.6#

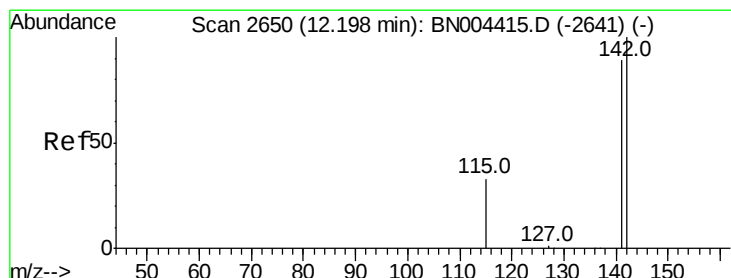
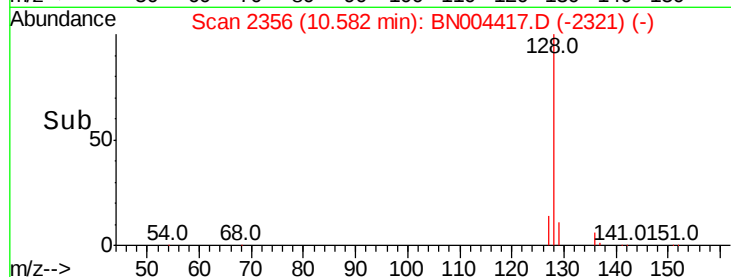
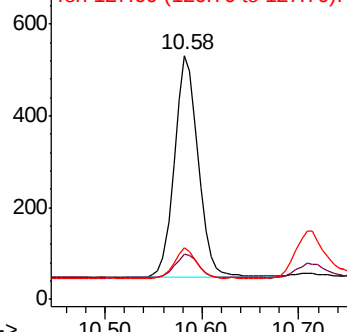
127 21.3 11.4 17.0#



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: 0.074 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004417.D

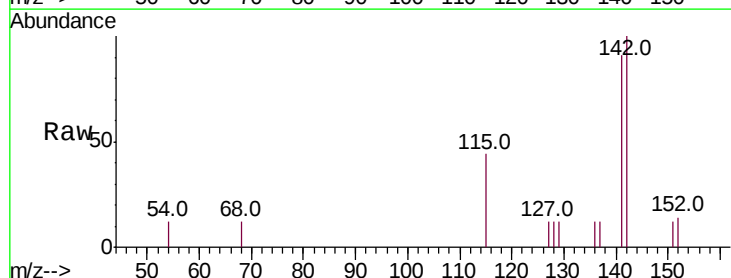
Acq: 14 Feb 2019 13:18

Tgt Ion:142 Resp: 593

Ion Ratio Lower Upper

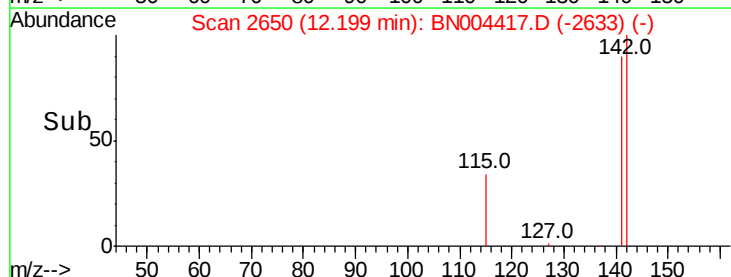
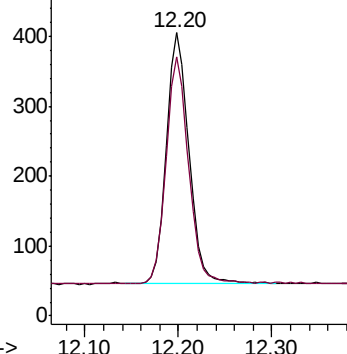
142 100

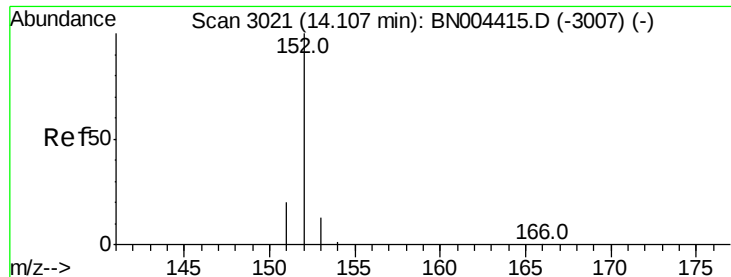
141 89.9 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.067 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

Instrument :

BNA_N

ClientSampleId :

MDL-W-02

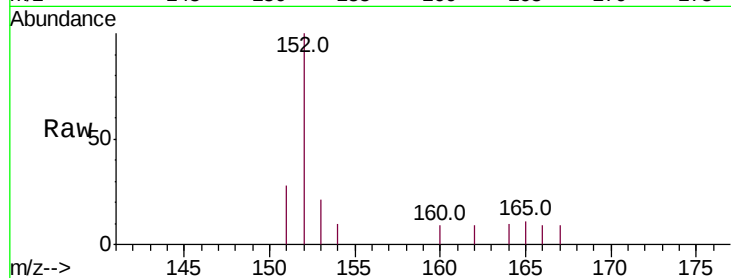
Tot Ion:152 Resp: 730

Ion Ratio Lower Upper

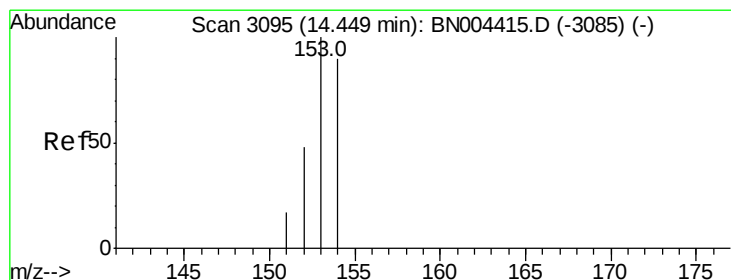
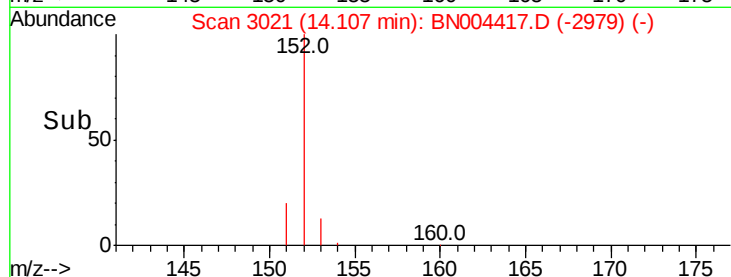
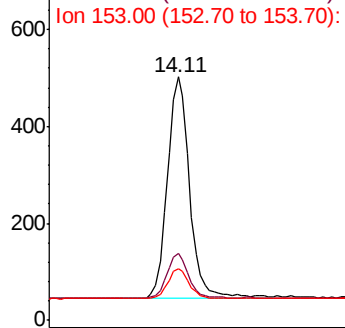
152 100

151 27.7 16.6 24.8#

153 21.3 11.1 16.7#



Abundance Ion 152.00 (151.70 to 152.70): E



#8

Acenaphthene

Concen: 0.072 ng/ul

RT: 14.45 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

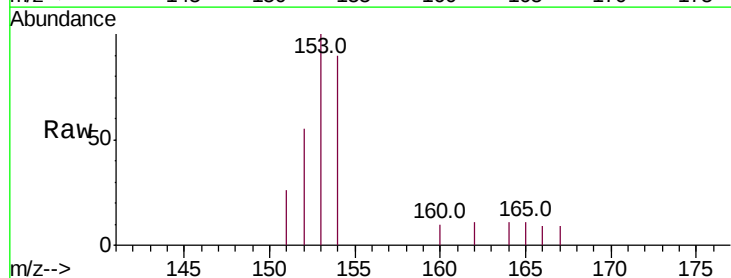
Tgt Ion:153 Resp: 682

Ion Ratio Lower Upper

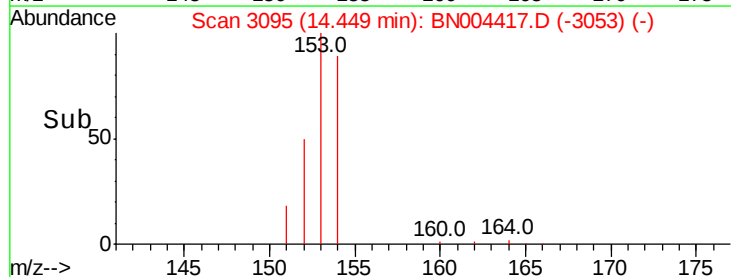
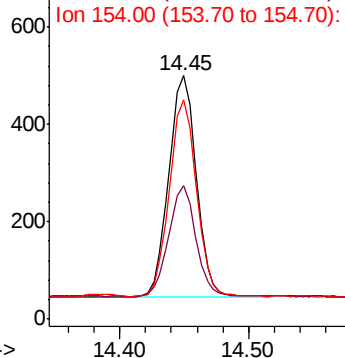
153 100

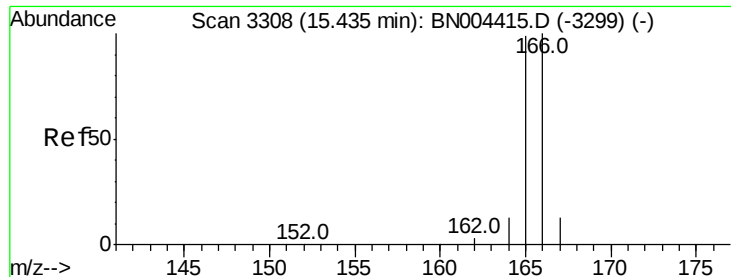
152 55.0 38.4 57.6

154 90.0 71.4 107.0



Abundance Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.074 ng/ul

RT: 15.44 min Scan# 3309

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

Instrument :

BNA_N

ClientSampleId :

MDL-W-02

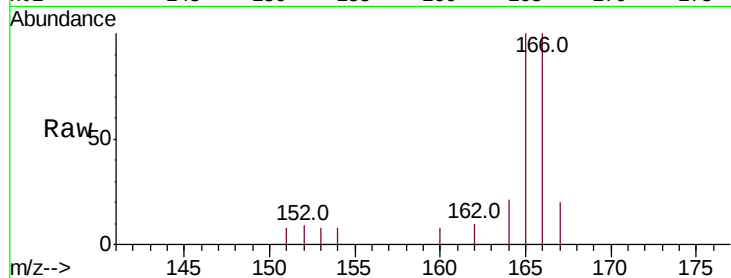
Tot Ion:166 Resp: 830

Ion Ratio Lower Upper

166 100

165 100.0 78.9 118.3

167 20.5 11.6 17.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.44

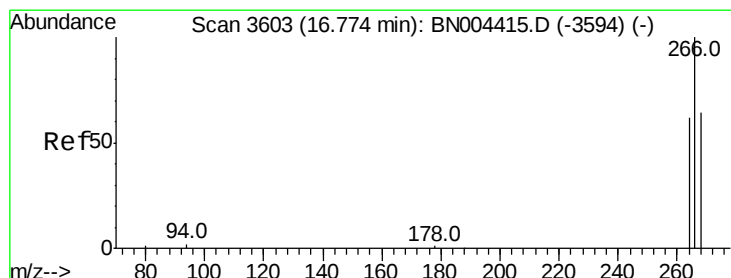
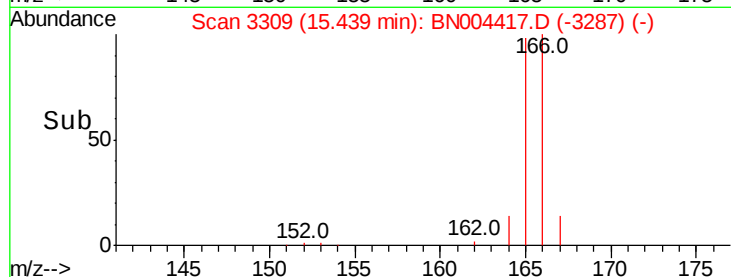
600

400

200

0

Time-->



#11

Pentachlorophenol

Concen: 0.026 ng/ul

RT: 16.78 min Scan# 3605

Delta R.T. 0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

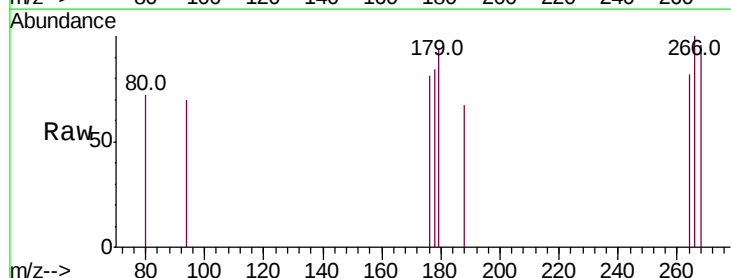
Tgt Ion:266 Resp: 37

Ion Ratio Lower Upper

266 100

264 67.6 52.3 78.5

268 59.5 49.0 73.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

16.78

80

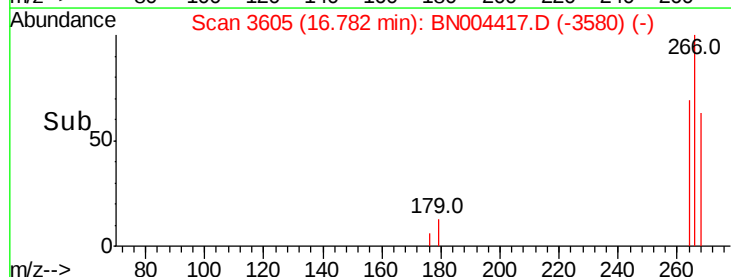
60

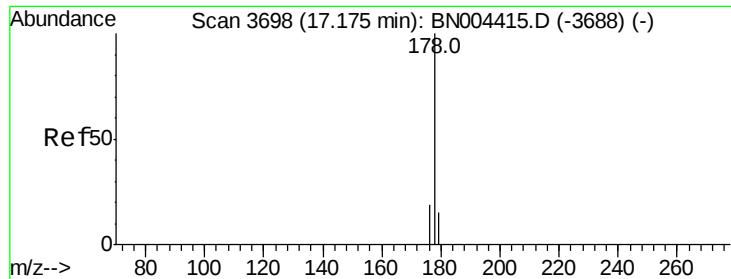
40

20

0

Time-->





#12

Phenanthrene

Concen: 0.072 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

Instrument :

BNA_N

ClientSampleId :

MDL-W-02

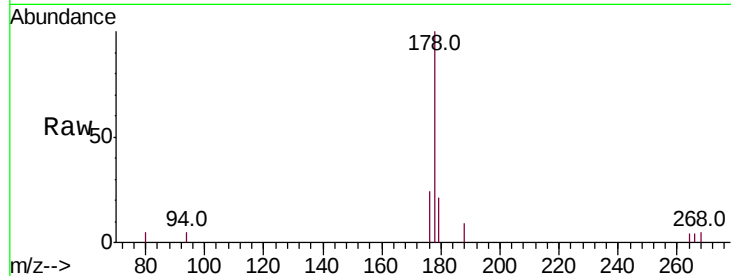
Tot Ion:178 Resp: 1580

Ion Ratio Lower Upper

178 100

179 20.6 12.6 19.0#

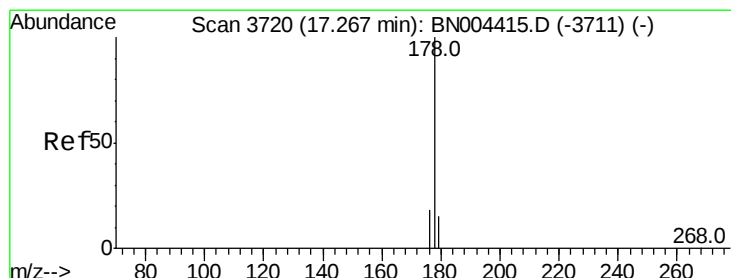
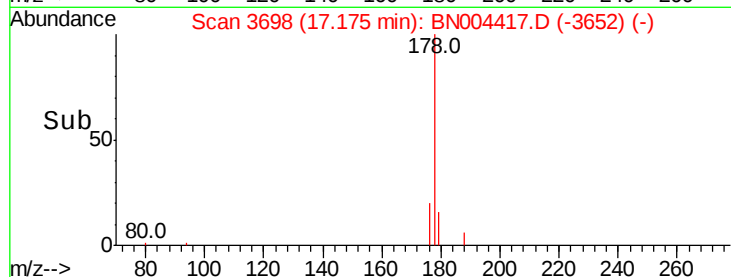
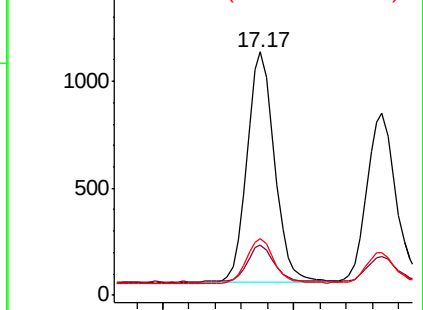
176 23.6 15.8 23.6



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: 0.068 ng/ul

RT: 17.27 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

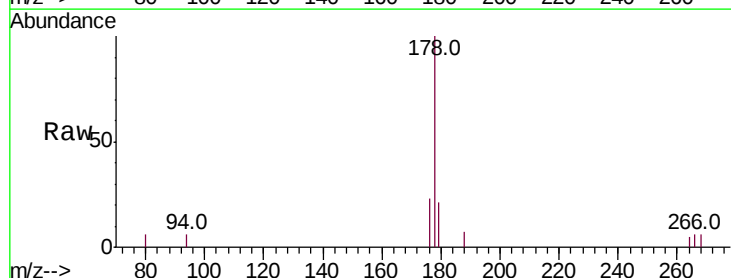
Tgt Ion:178 Resp: 1249

Ion Ratio Lower Upper

178 100

179 21.4 13.0 19.4#

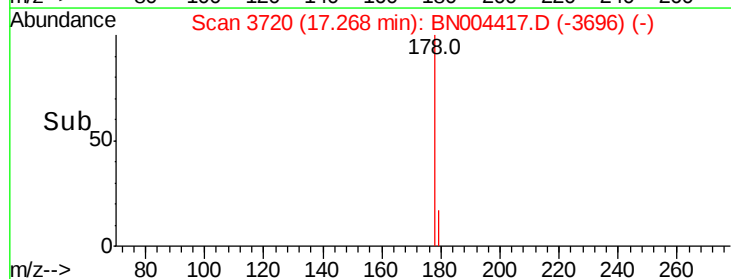
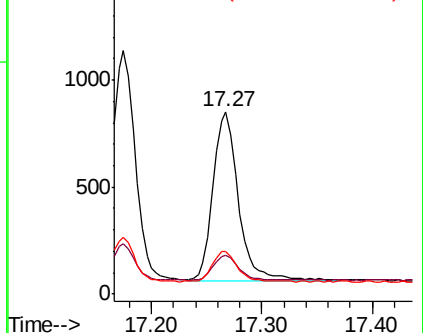
176 23.2 15.5 23.3

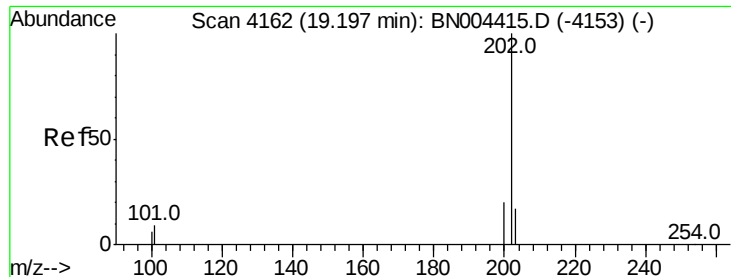


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.074 ng/ul

RT: 19.20 min Scan# 4162

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

Instrument :

BNA_N

ClientSampleId :

MDL-W-02

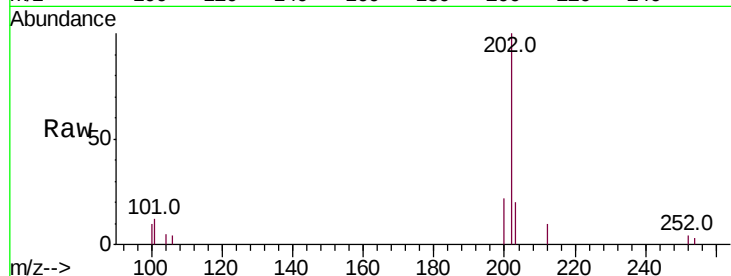
Tot Ion:202 Resp: 1996

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.4

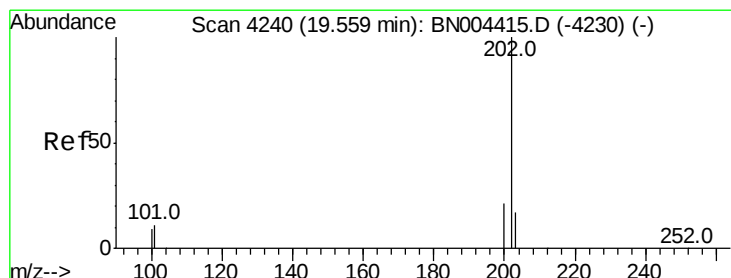
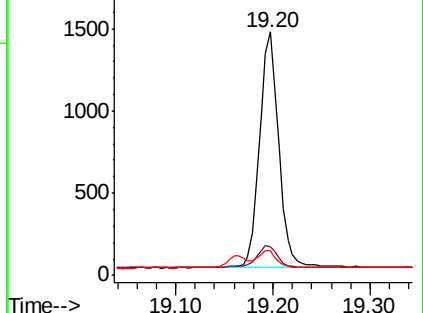
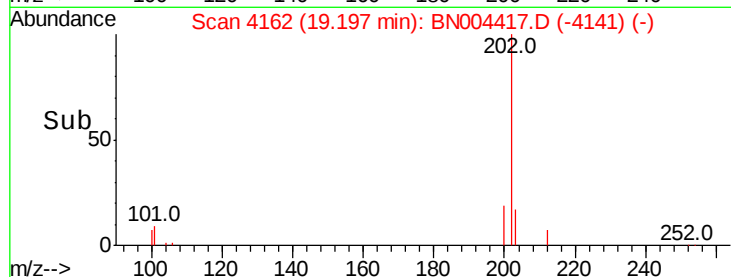
100 9.9 0.0 27.6



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: 0.071 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

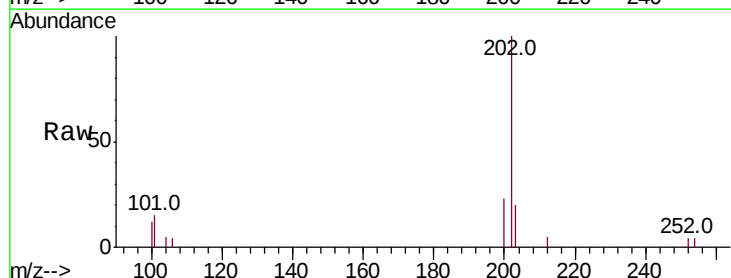
Tgt Ion:202 Resp: 1977

Ion Ratio Lower Upper

202 100

101 15.0 9.0 13.6#

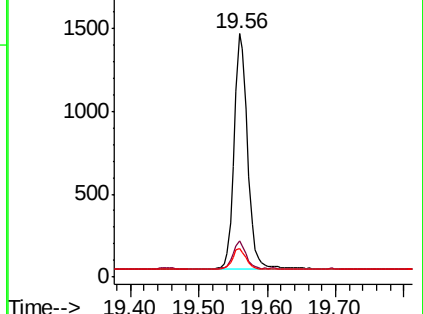
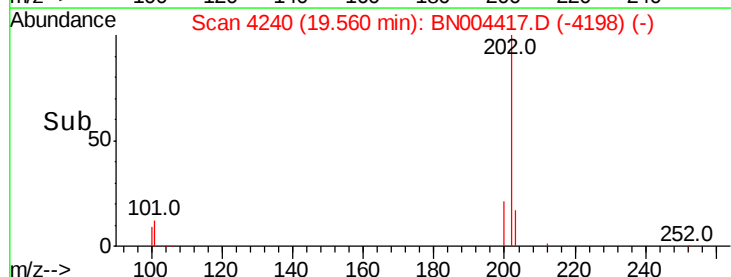
100 11.5 7.4 11.0#

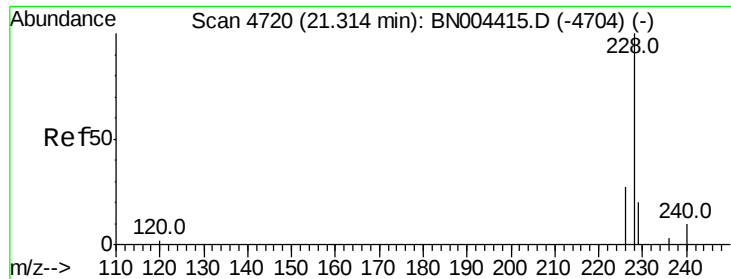


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.070 ng/ul

RT: 21.31 min Scan# 4720

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

Instrument :

BNA_N

ClientSampleId :

MDL-W-02

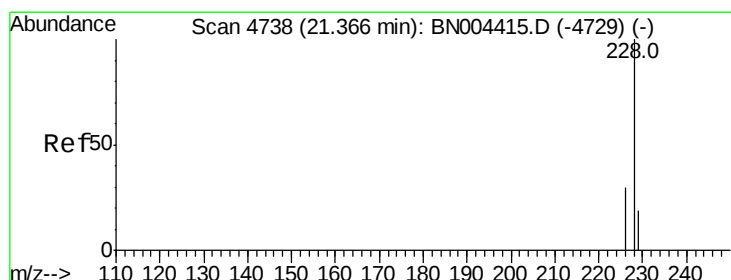
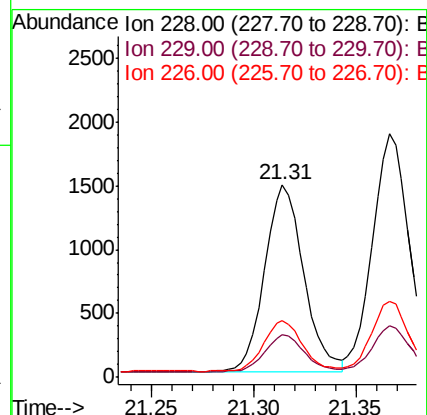
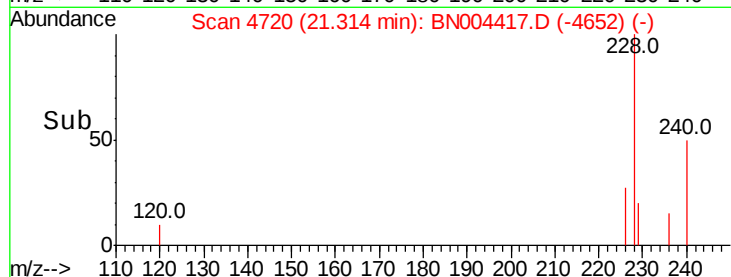
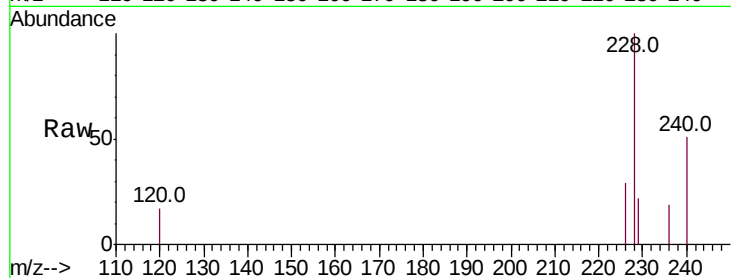
Tot Ion:228 Resp: 1944

Ion Ratio Lower Upper

228 100

229 22.0 15.7 23.5

226 29.3 22.1 33.1



#19

Chrysene

Concen: 0.075 ng/ul

RT: 21.37 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

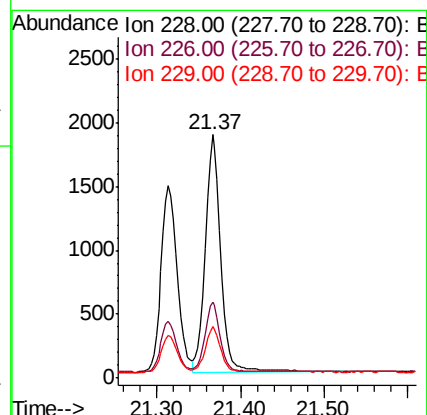
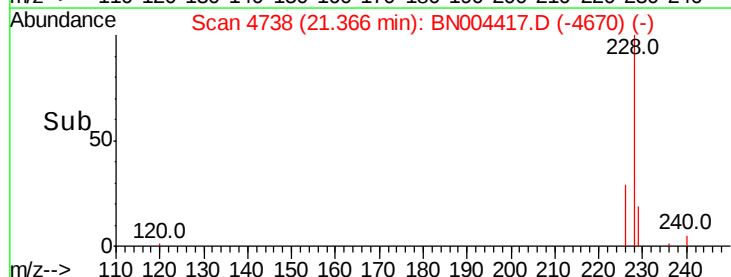
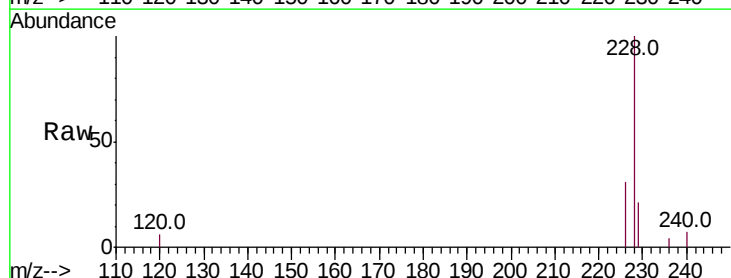
Tgt Ion:228 Resp: 2420

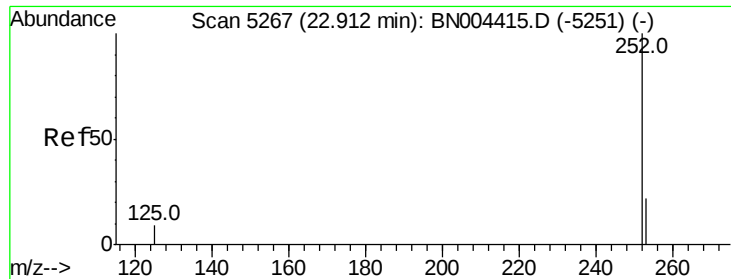
Ion Ratio Lower Upper

228 100

226 31.1 23.8 35.8

229 21.0 15.8 23.6





#21

Benzo(b)fluoranthene

Concen: 0.073 ng/ul

RT: 22.91 min Scan# 5267

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

Instrument :

BNA_N

ClientSampleId :

MDL-W-02

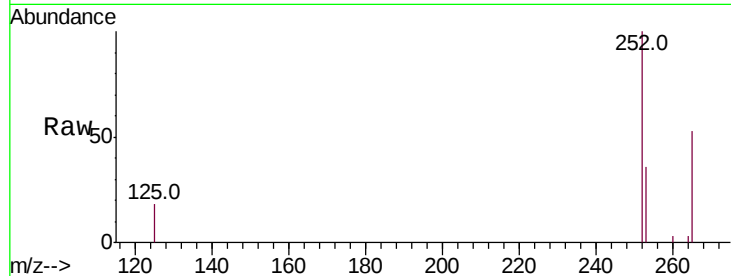
Tot Ion:252 Resp: 2590

Ion Ratio Lower Upper

252 100

253 36.0 0.0 48.0

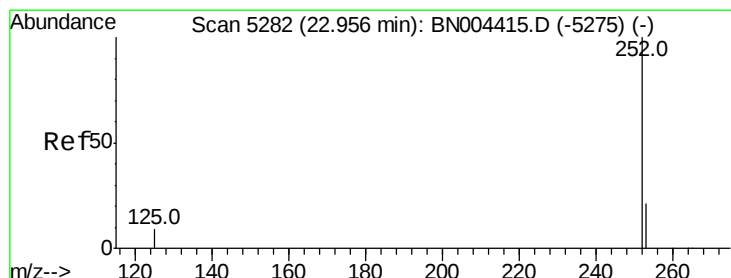
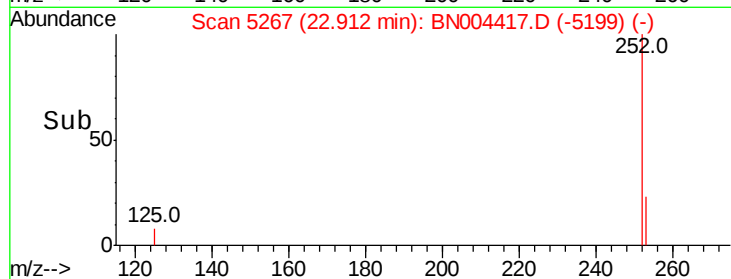
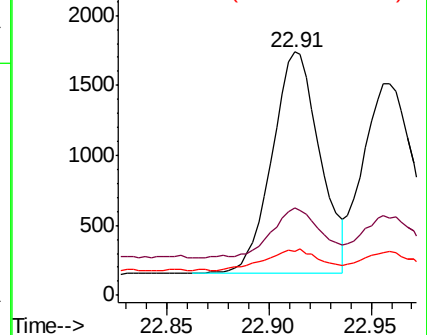
125 18.0 0.0 22.8



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: 0.070 ng/ul

RT: 22.96 min Scan# 5283

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

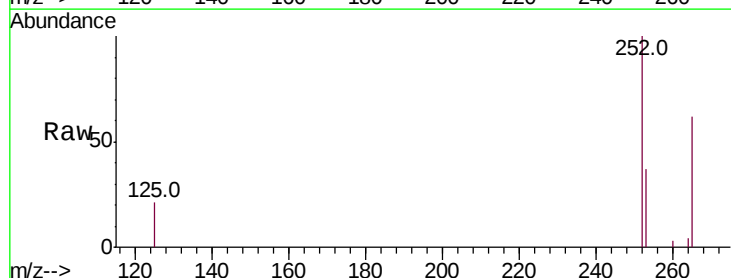
Tgt Ion:252 Resp: 2430

Ion Ratio Lower Upper

252 100

253 36.6 19.5 29.3#

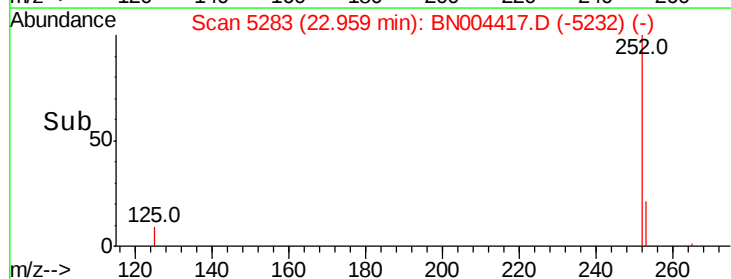
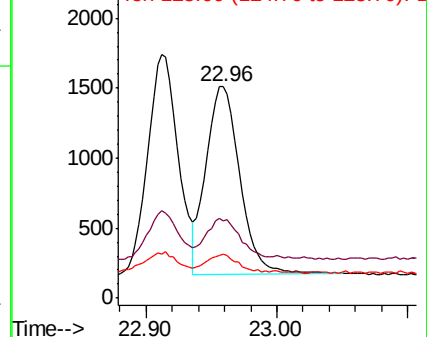
125 20.5 9.1 13.7#

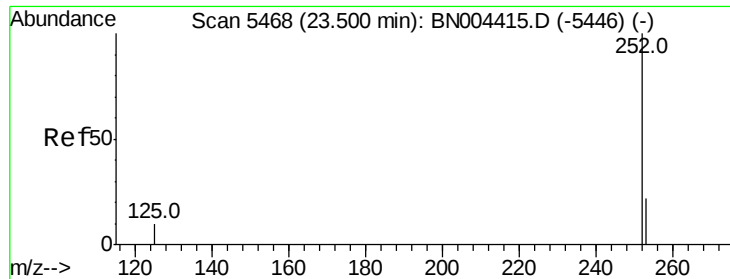


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.068 ng/ul

RT: 23.50 min Scan# 5467

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

Instrument :

BNA_N

ClientSampleId :

MDL-W-02

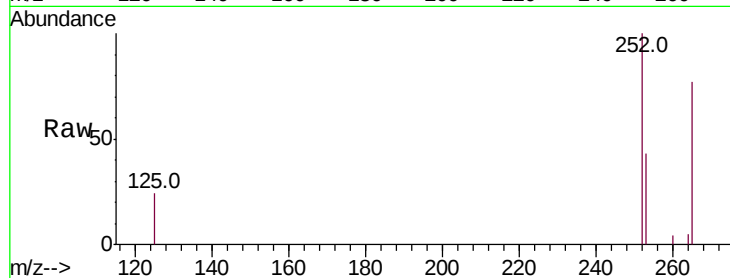
Tot Ion:252 Resp: 2152

Ion Ratio Lower Upper

252 100

253 42.7 20.4 30.6#

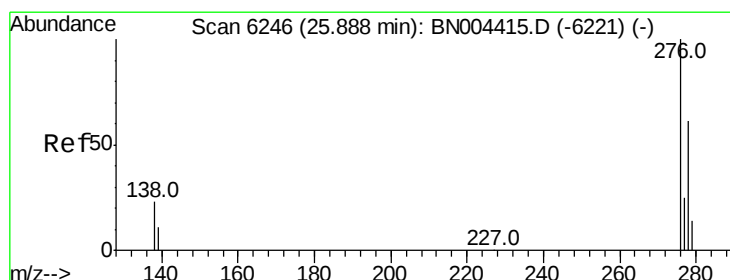
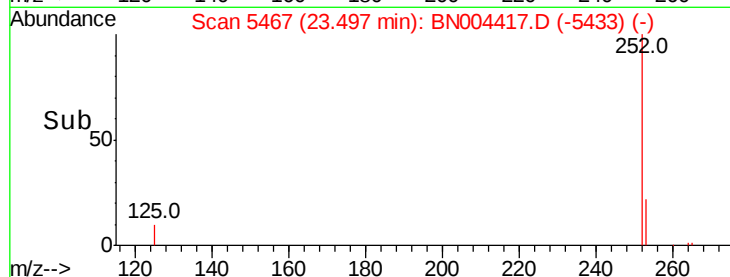
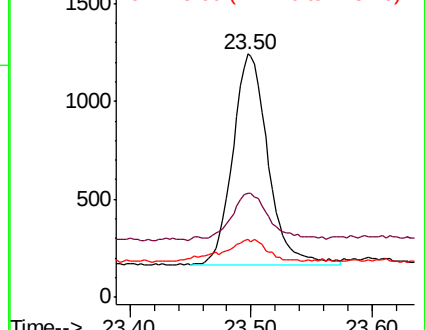
125 23.6 10.6 15.8#



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: 0.072 ng/ul

RT: 25.89 min Scan# 6247

Delta R.T. 0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

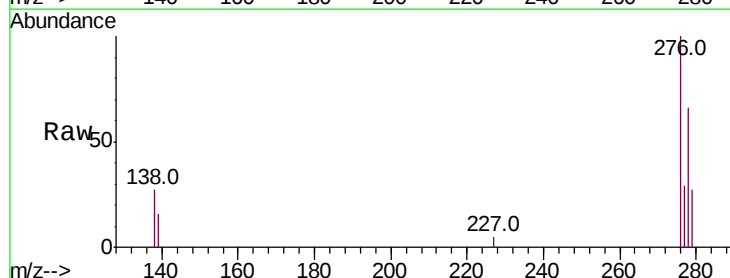
Tgt Ion:276 Resp: 2984

Ion Ratio Lower Upper

276 100

138 23.5 19.1 28.7

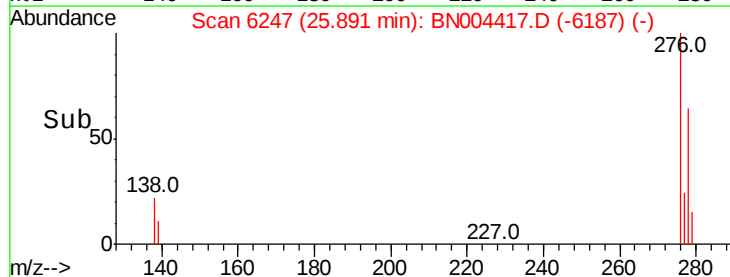
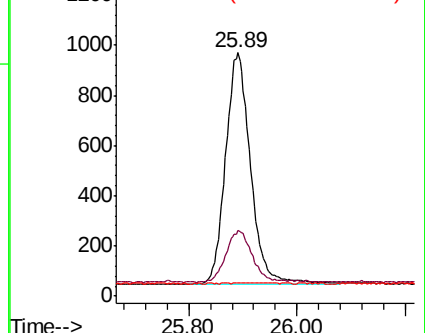
227 0.1 0.2 0.4#

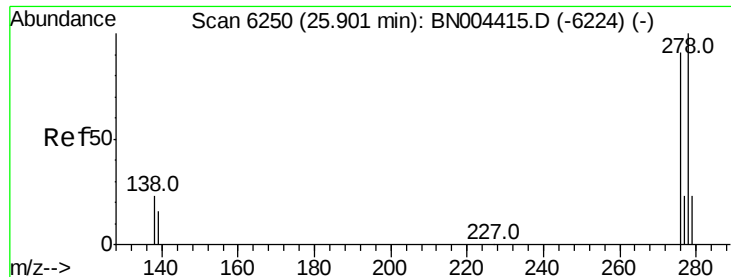


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.071 ng/u1

RT: 25.90 min Scan# 6251

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

Instrument :

BNA_N

ClientSampleId :

MDL-W-02

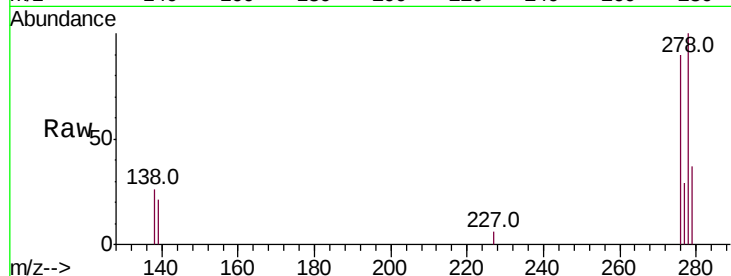
Tot Ion:278 Resp: 2383

Ion Ratio Lower Upper

278 100

139 20.8 13.8 20.6#

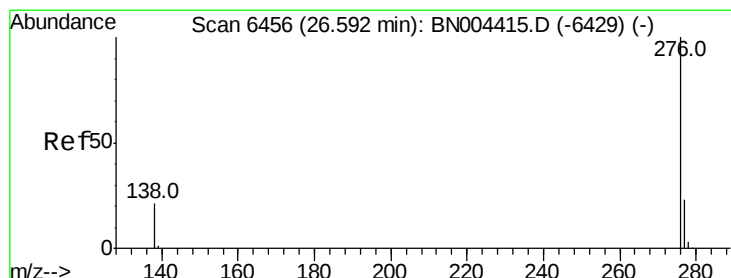
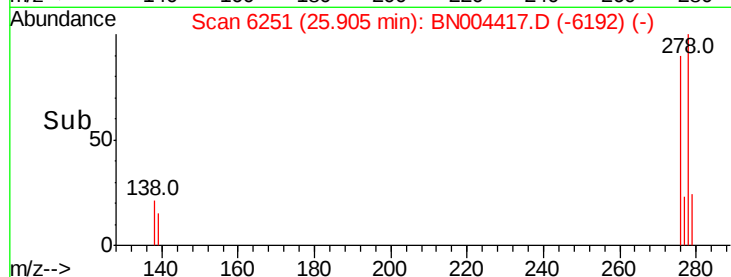
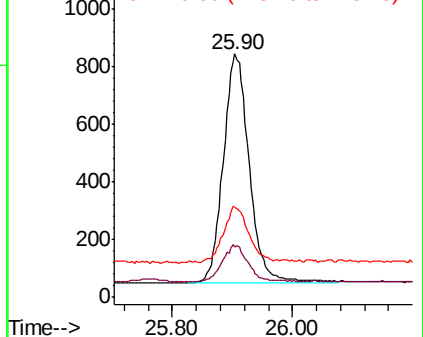
279 37.0 20.4 30.6#



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: 0.073 ng/u1

RT: 26.59 min Scan# 6456

Delta R.T. -0.00 min

Lab File: BN004417.D

Acq: 14 Feb 2019 13:18

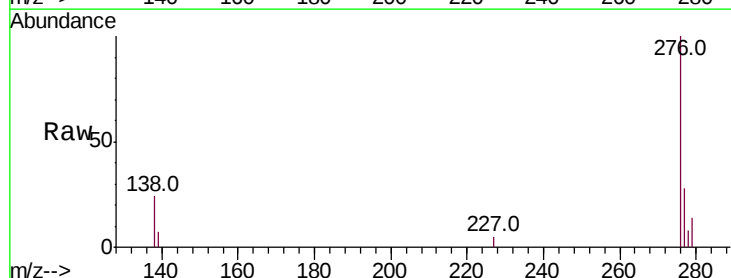
Tgt Ion:276 Resp: 2769

Ion Ratio Lower Upper

276 100

138 24.0 16.8 25.2

277 28.3 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

