

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
 Data File : BN004422.D
 Acq On : 14 Feb 2019 16:15
 Operator : JU/SJ
 Sample : MDL-W-07
 Misc : 0.07 PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-07

Quant Time: Feb 14 16:48:59 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

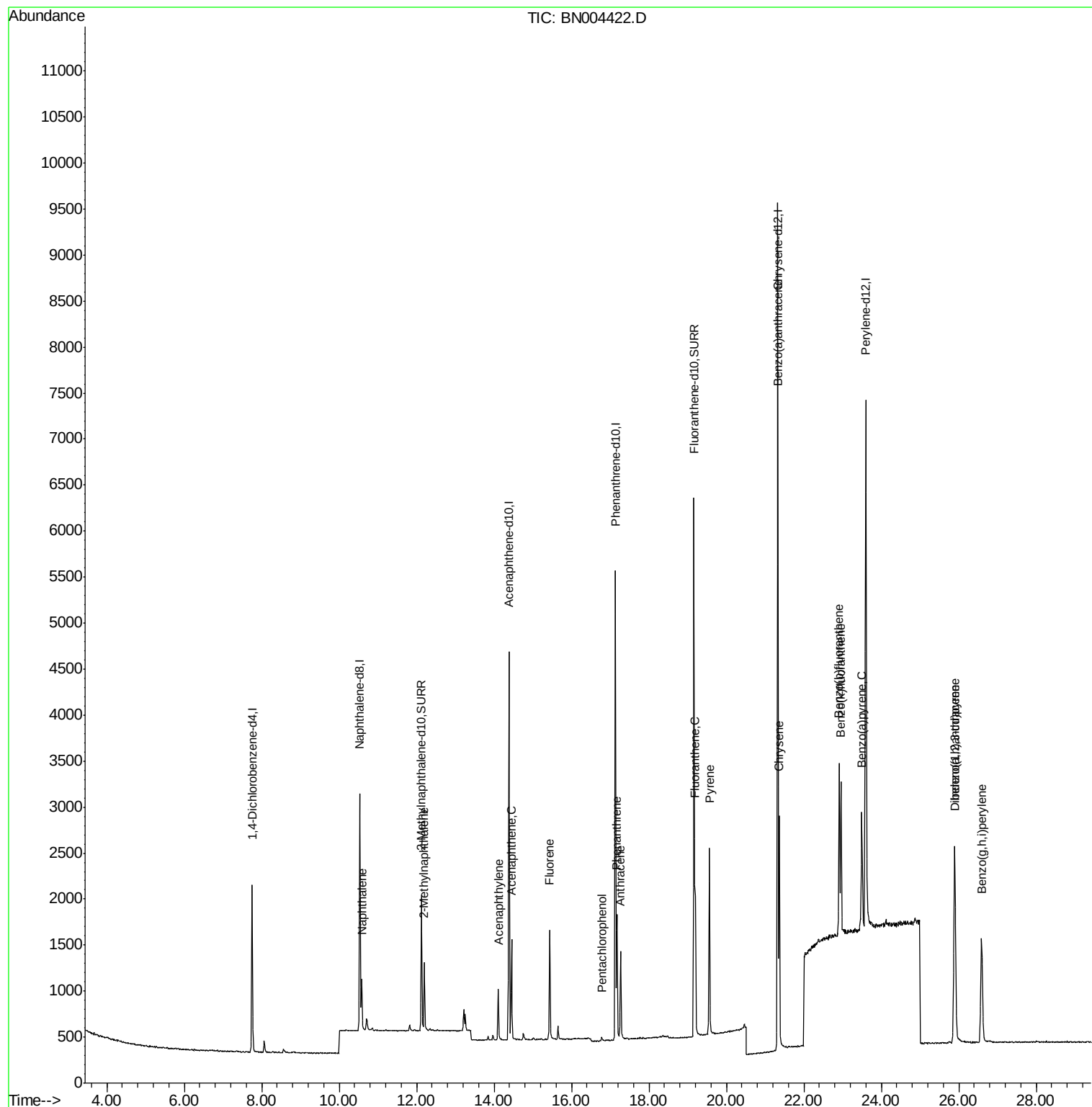
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	953	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3738	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2256	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	6355	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	8074	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8271	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	2060	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	6762	0.34	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.58	128	747	0.070	ng/ul#	82
5) 2-Methylnaphthalene	12.20	142	535	0.070	ng/ul	100
7) Acenaphthylene	14.11	152	666	0.065	ng/ul#	85
8) Acenaphthene	14.44	153	618	0.069	ng/ul	97
9) Fluorene	15.43	166	757	0.071	ng/ul#	94
11) Pentachlorophenol	16.78	266	35	0.026	ng/ul#	90
12) Phenanthrene	17.17	178	1418	0.069	ng/ul#	90
13) Anthracene	17.27	178	1106	0.064	ng/ul#	88
15) Fluoranthene	19.20	202	1790	0.071	ng/ul	94
17) Pyrene	19.56	202	1768	0.068	ng/ul#	90
18) Benzo(a)anthracene	21.31	228	1763	0.068	ng/ul	94
19) Chrysene	21.37	228	2170	0.072	ng/ul	96
21) Benzo(b)fluoranthene	22.92	252	2341	0.071	ng/ul	77
22) Benzo(k)fluoranthene	22.96	252	2271	0.070	ng/ul#	73
23) Benzo(a)pyrene	23.50	252	2033	0.069	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.89	276	2707	0.070	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.91	278	2170	0.069	ng/ul#	82
26) Benzo(g,h,i)perylene	26.59	276	2565	0.073	ng/ul#	90

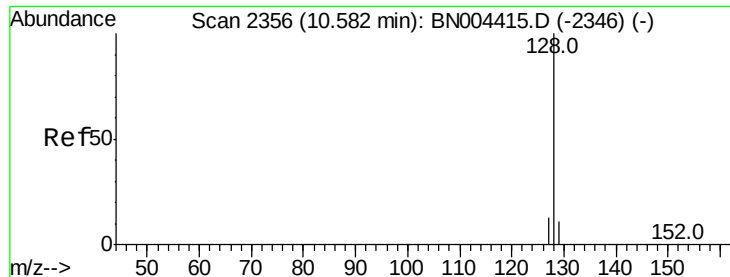
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.070 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-W-07

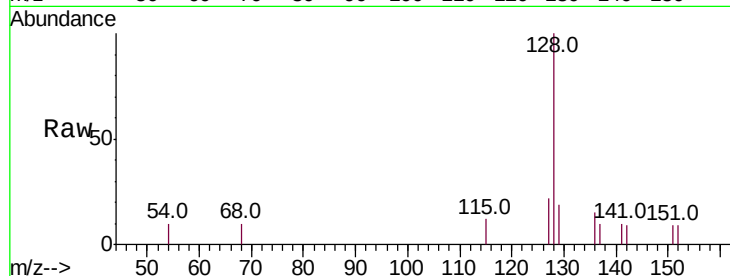
Tot Ion:128 Resp: 747

Ion Ratio Lower Upper

128 100

129 19.5 9.8 14.6#

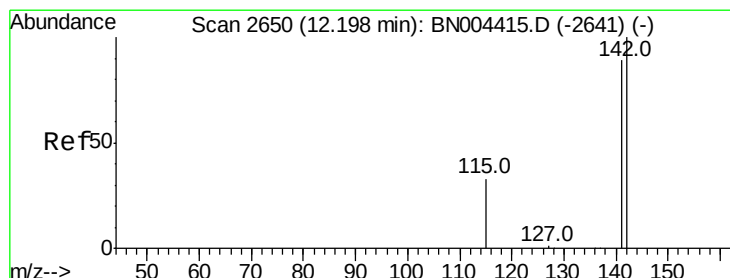
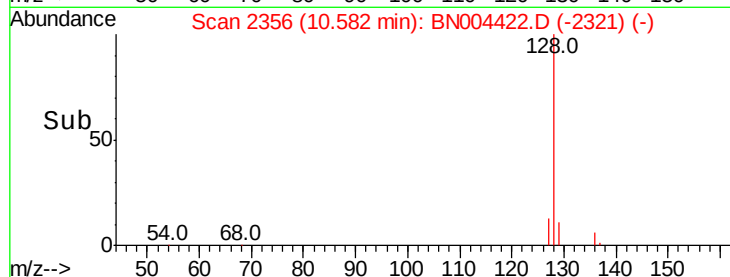
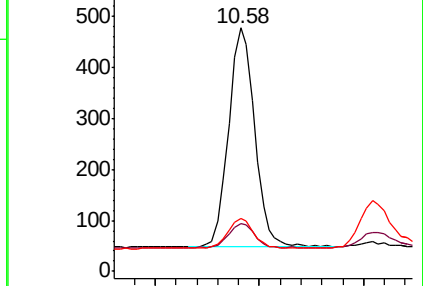
127 21.6 11.4 17.0#



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: 0.070 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004422.D

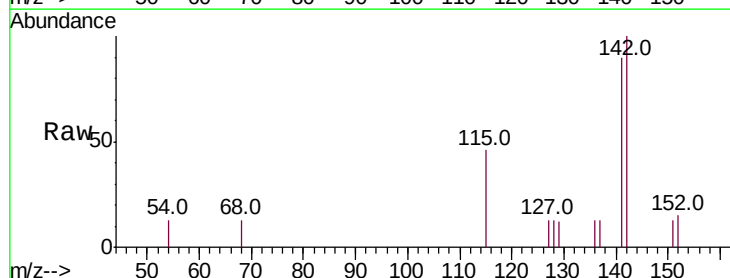
Acq: 14 Feb 2019 16:15

Tgt Ion:142 Resp: 535

Ion Ratio Lower Upper

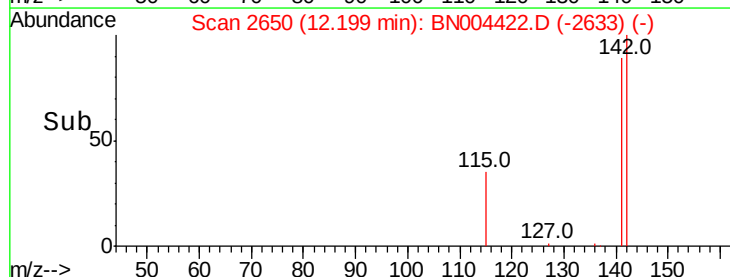
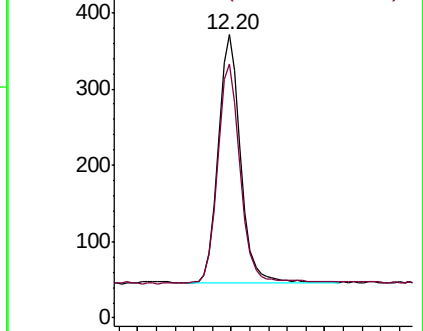
142 100

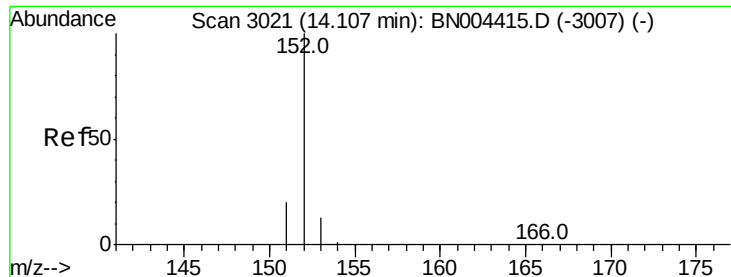
141 89.9 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.065 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-W-07

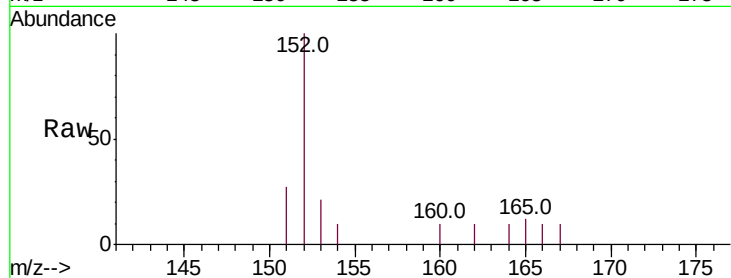
Tot Ion:152 Resp: 666

Ion Ratio Lower Upper

152 100

151 27.4 16.6 24.8#

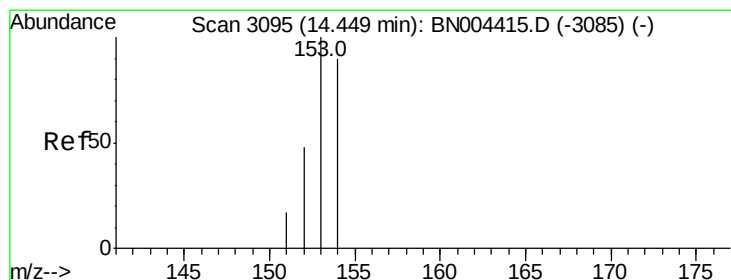
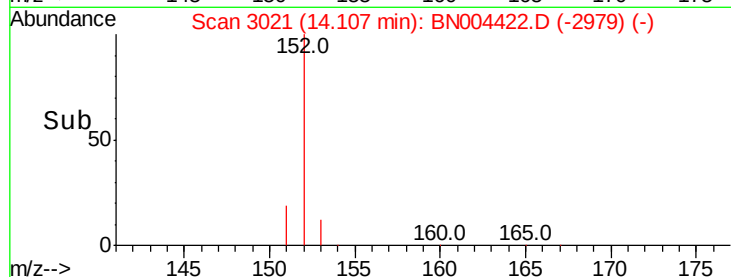
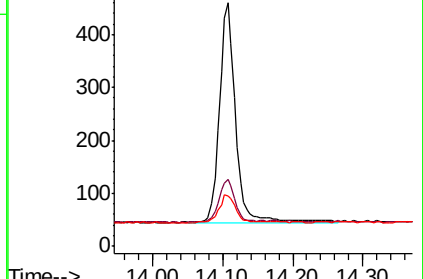
153 20.9 11.1 16.7#



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: 0.069 ng/ul

RT: 14.44 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

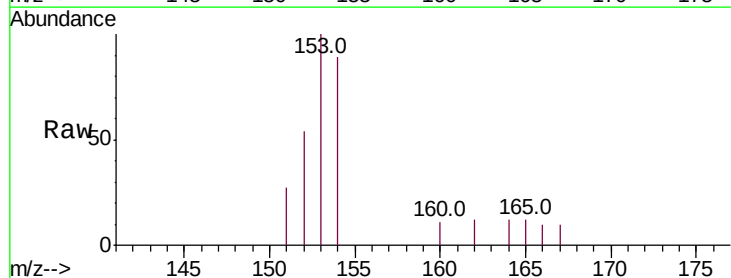
Tgt Ion:153 Resp: 618

Ion Ratio Lower Upper

153 100

152 54.0 38.4 57.6

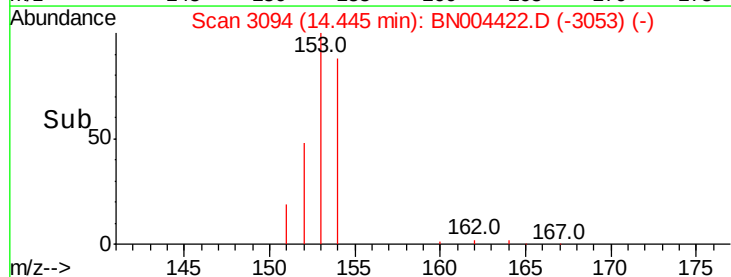
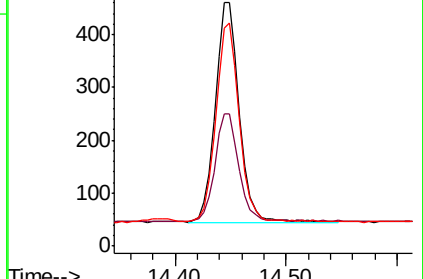
154 89.4 71.4 107.0

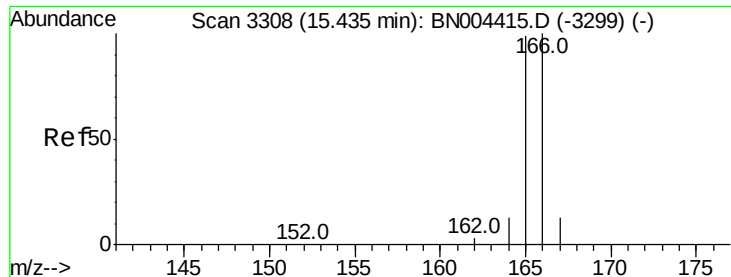


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.071 ng/ul

RT: 15.43 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-W-07

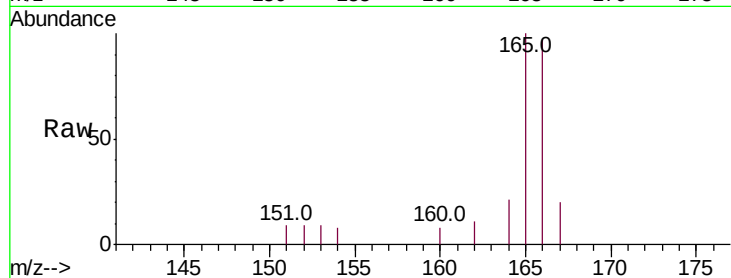
Tot Ion:166 Resp: 757

Ion Ratio Lower Upper

166 100

165 102.7 78.9 118.3

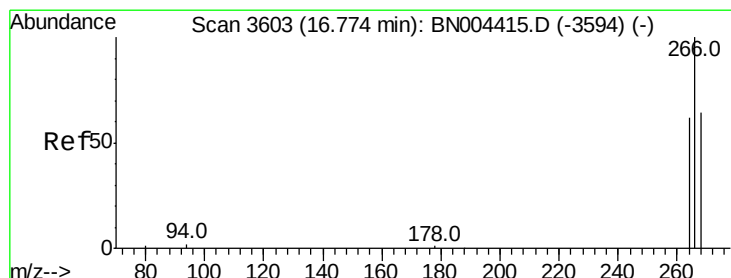
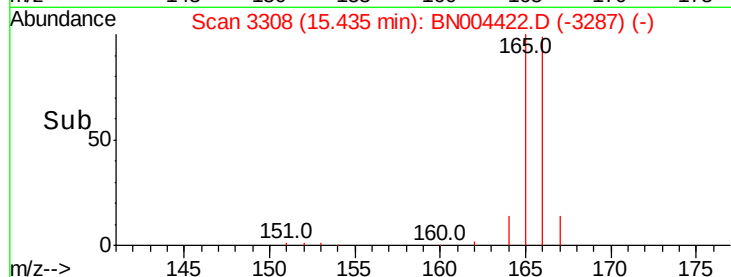
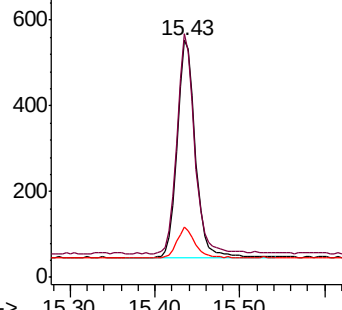
167 21.0 11.6 17.4#



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



#11

Pentachlorophenol

Concen: 0.026 ng/ul

RT: 16.78 min Scan# 3605

Delta R.T. 0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

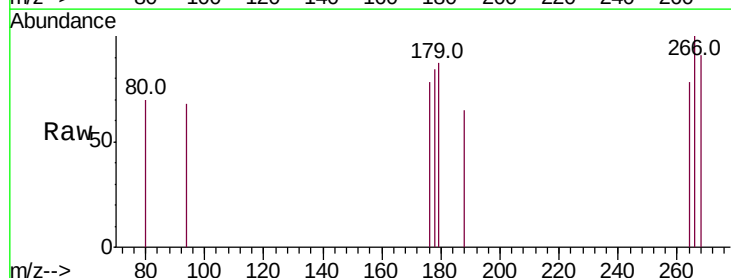
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

264 62.9 52.3 78.5

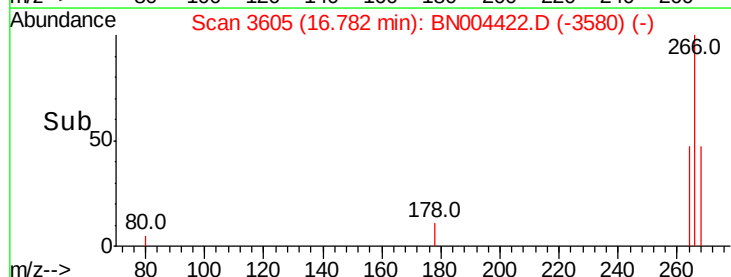
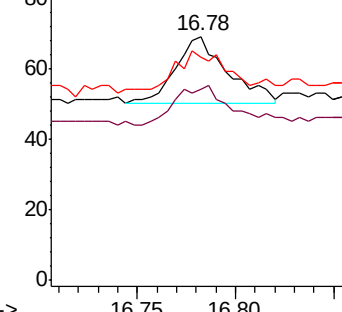
268 74.3 49.0 73.6#

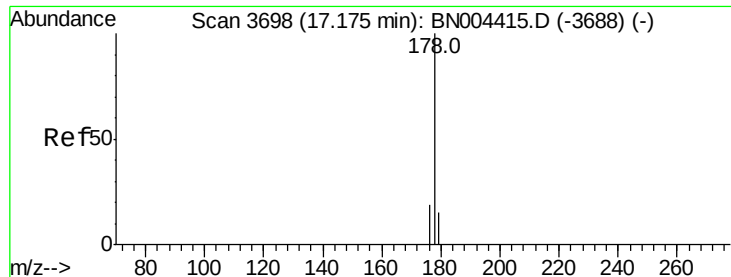


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.069 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-W-07

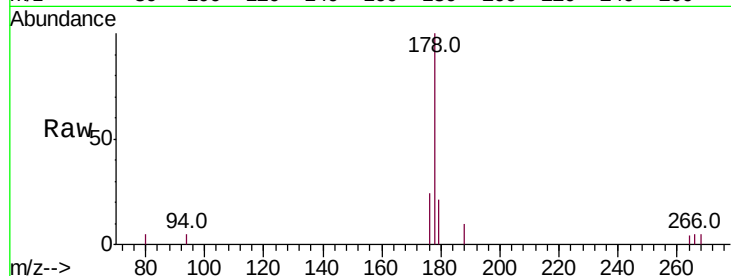
Tot Ion:178 Resp: 1418

Ion Ratio Lower Upper

178 100

179 21.0 12.6 19.0#

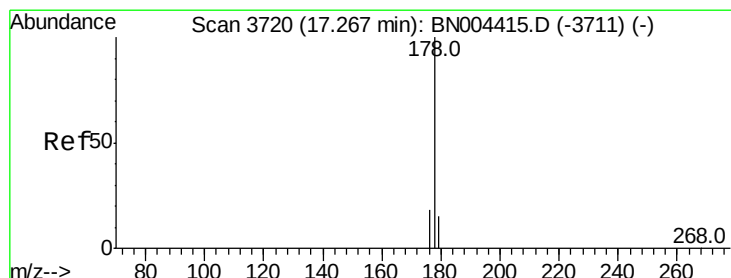
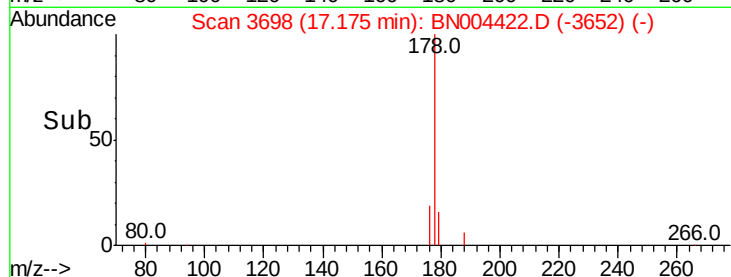
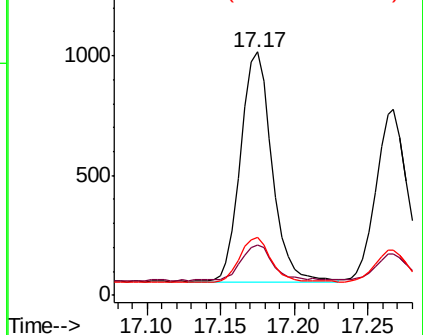
176 23.7 15.8 23.6#



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: 0.064 ng/ul

RT: 17.27 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

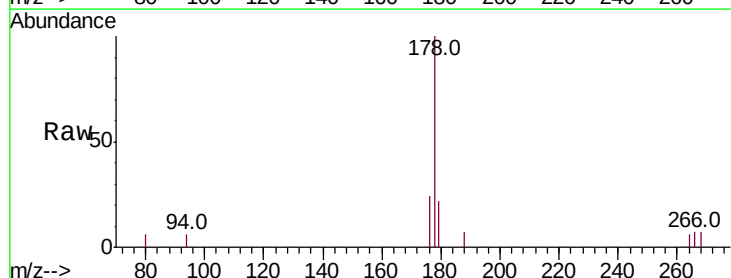
Tgt Ion:178 Resp: 1106

Ion Ratio Lower Upper

178 100

179 22.1 13.0 19.4#

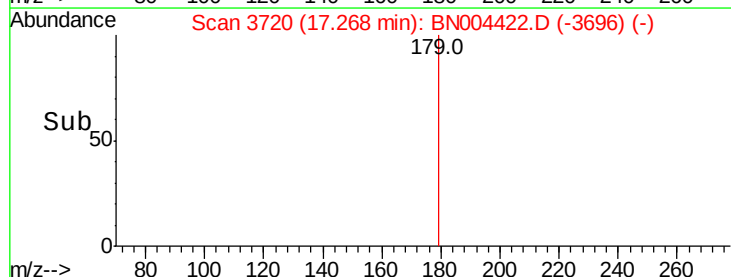
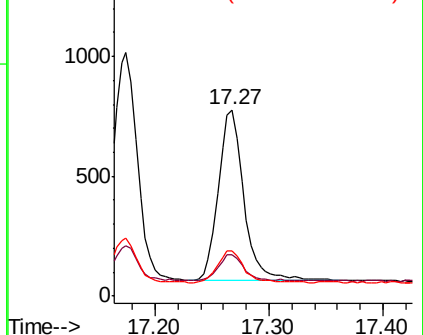
176 24.3 15.5 23.3#

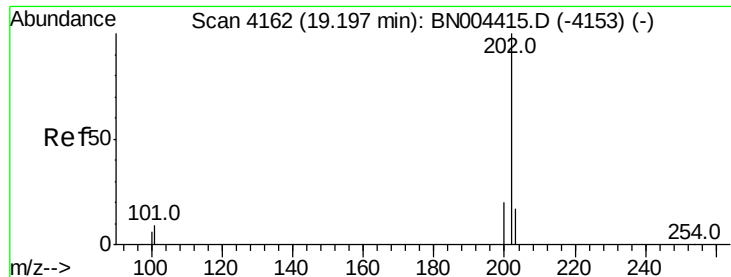


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.071 ng/ul

RT: 19.20 min Scan# 4162

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-W-07

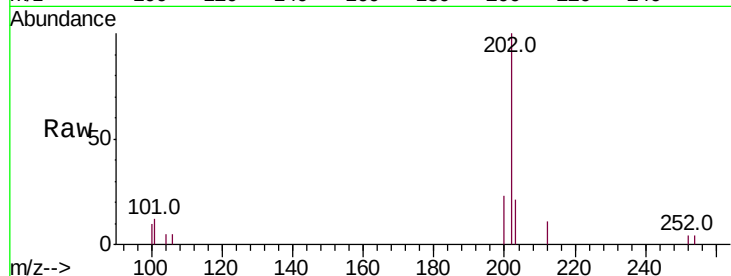
Tot Ion:202 Resp: 1790

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.4

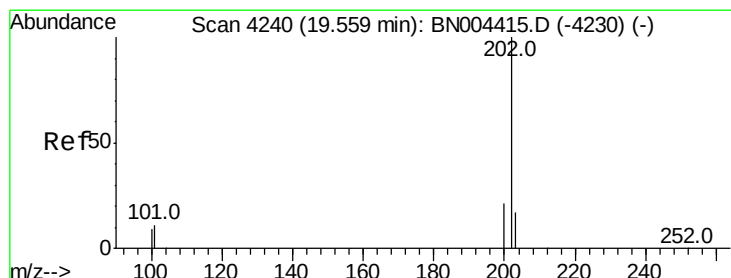
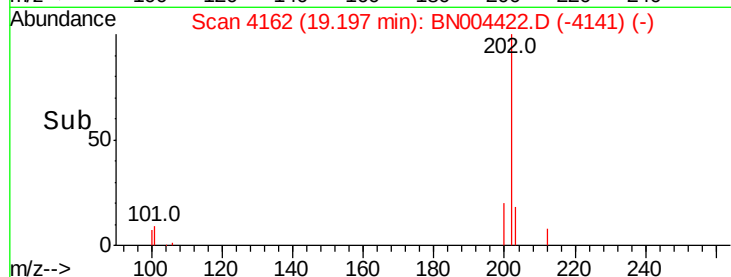
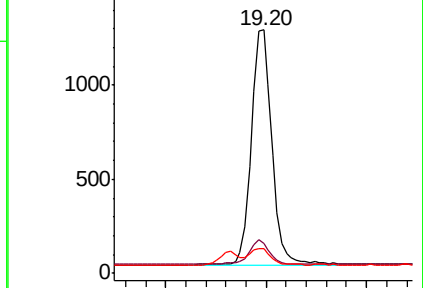
100 10.0 0.0 27.6



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: 0.068 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

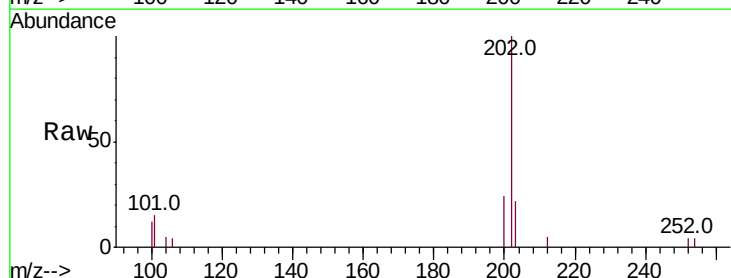
Tgt Ion:202 Resp: 1768

Ion Ratio Lower Upper

202 100

101 15.4 9.0 13.6#

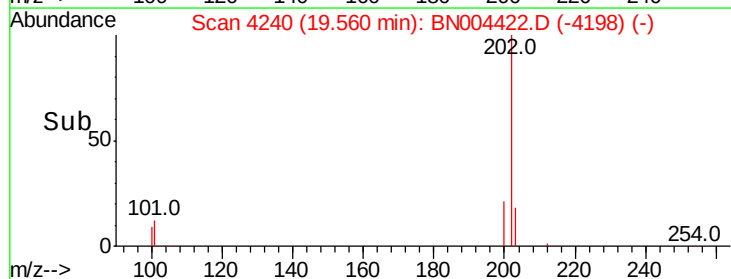
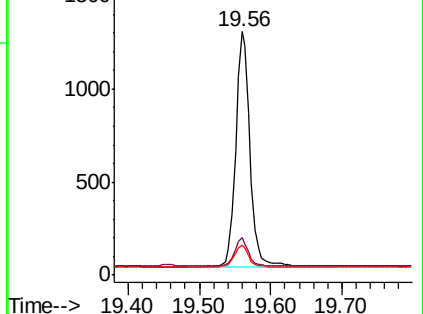
100 12.2 7.4 11.0#

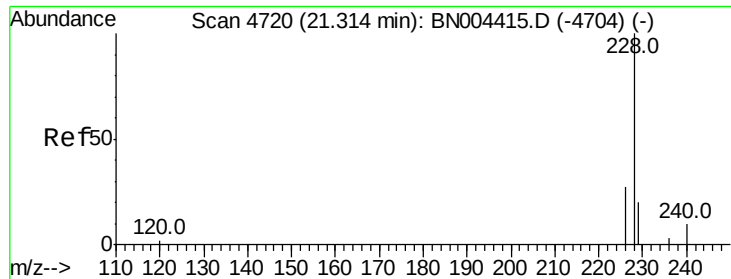


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.068 ng/ul

RT: 21.31 min Scan# 4720

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-W-07

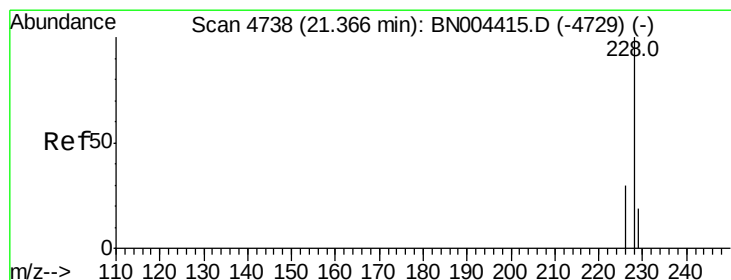
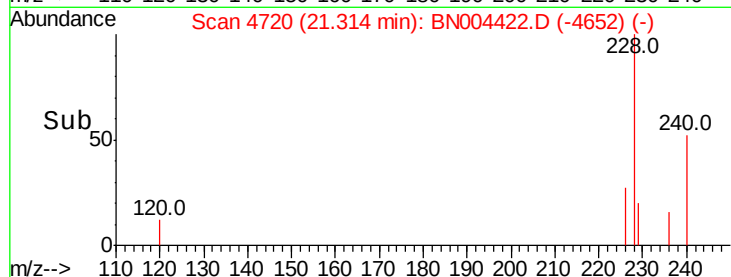
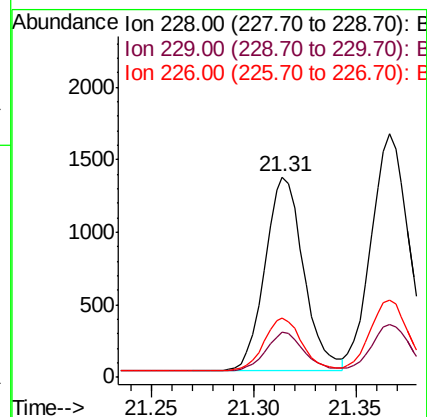
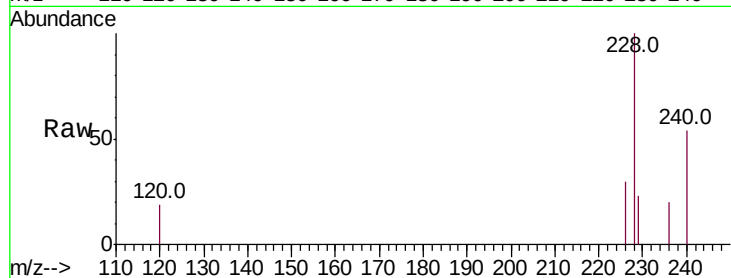
Tot Ion:228 Resp: 1763

Ion Ratio Lower Upper

228 100

229 22.9 15.7 23.5

226 29.9 22.1 33.1



#19

Chrysene

Concen: 0.072 ng/ul

RT: 21.37 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

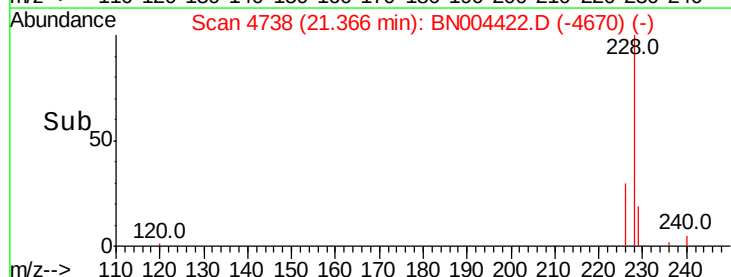
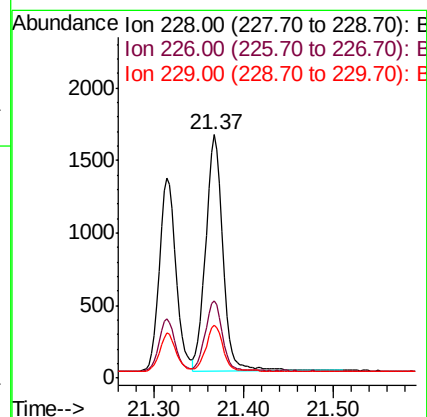
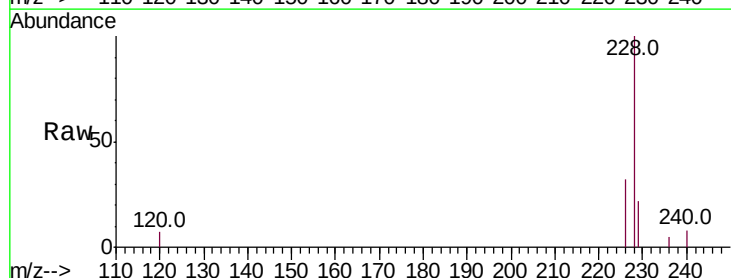
Tgt Ion:228 Resp: 2170

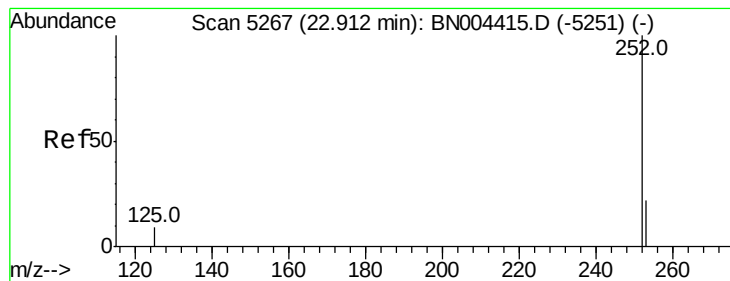
Ion Ratio Lower Upper

228 100

226 31.6 23.8 35.8

229 21.7 15.8 23.6





#21

Benzo(b)fluoranthene

Concen: 0.071 ng/ul

RT: 22.92 min Scan# 5268

Delta R.T. 0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-W-07

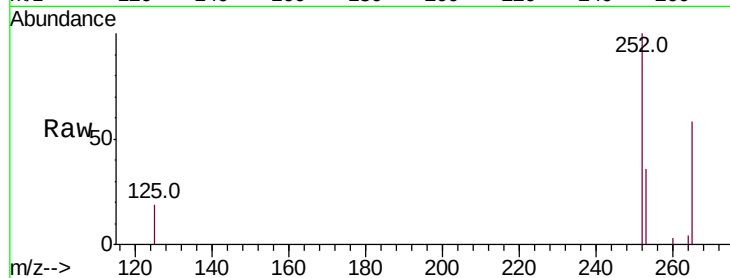
Tot Ion:252 Resp: 2341

Ion Ratio Lower Upper

252 100

253 36.0 0.0 48.0

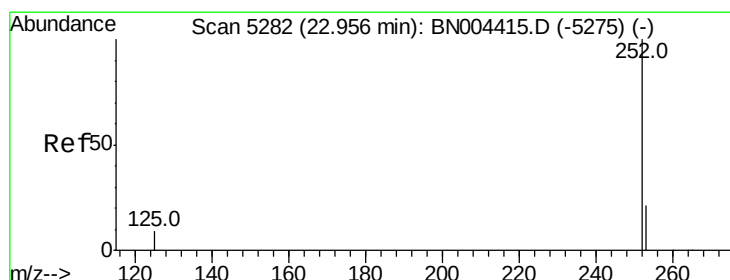
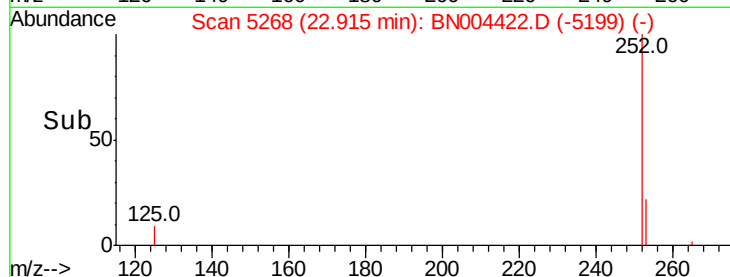
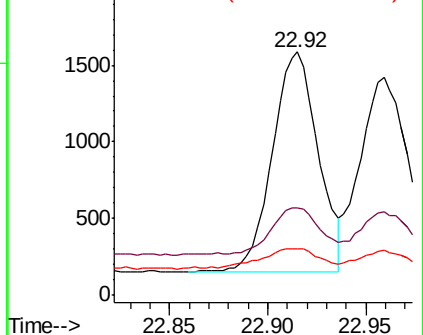
125 19.3 0.0 22.8



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: BN004422.D

Acq: 14 Feb 2019 16:15

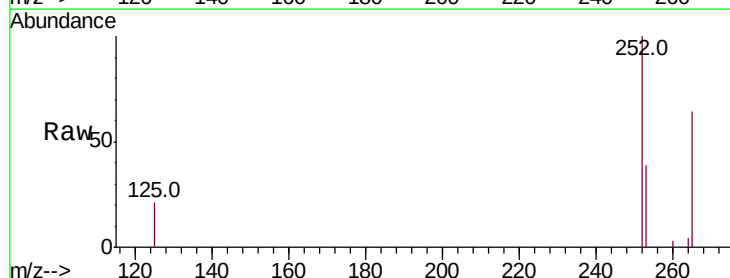
Tgt Ion:252 Resp: 2271

Ion Ratio Lower Upper

252 100

253 38.5 19.5 29.3#

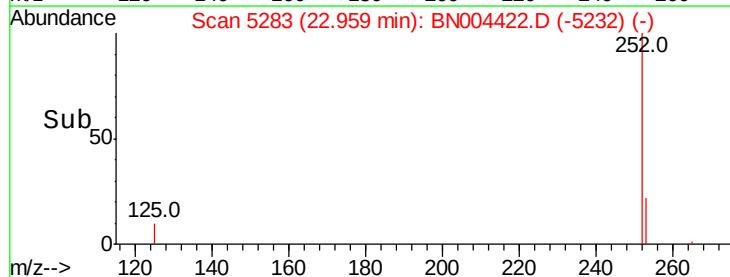
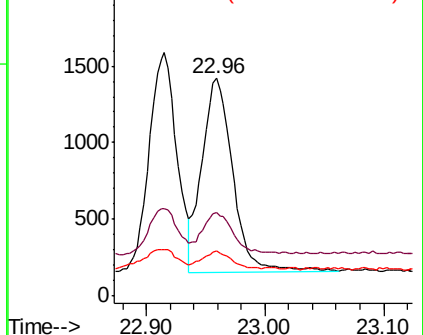
125 20.9 9.1 13.7#

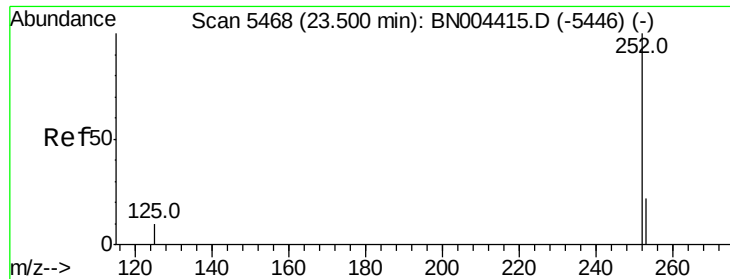


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.069 ng/ul

RT: 23.50 min Scan# 5467

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-W-07

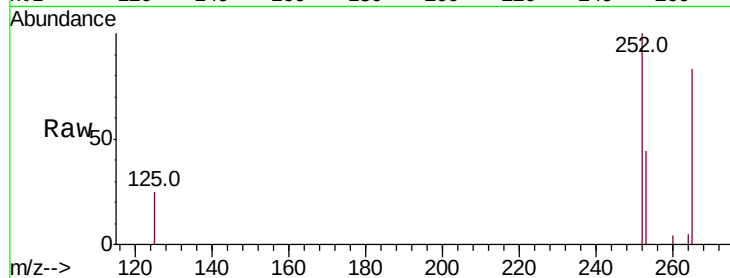
Tot Ion:252 Resp: 2033

Ion Ratio Lower Upper

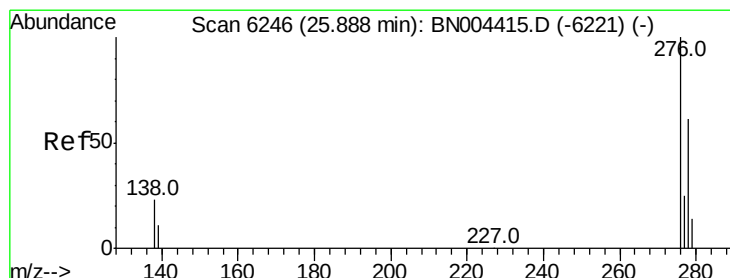
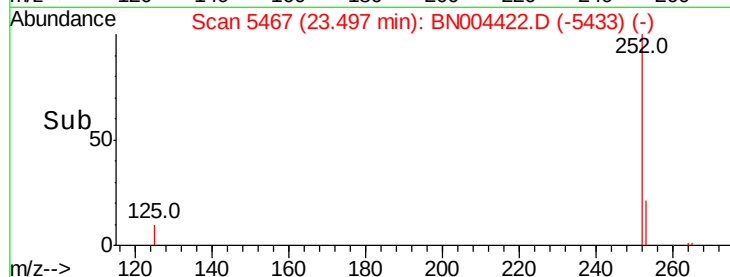
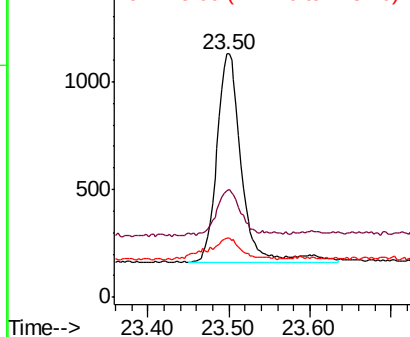
252 100

253 43.6 20.4 30.6#

125 24.5 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: 0.070 ng/ul

RT: 25.89 min Scan# 6247

Delta R.T. 0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

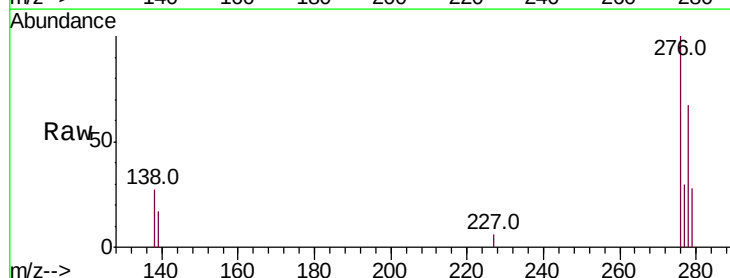
Tgt Ion:276 Resp: 2707

Ion Ratio Lower Upper

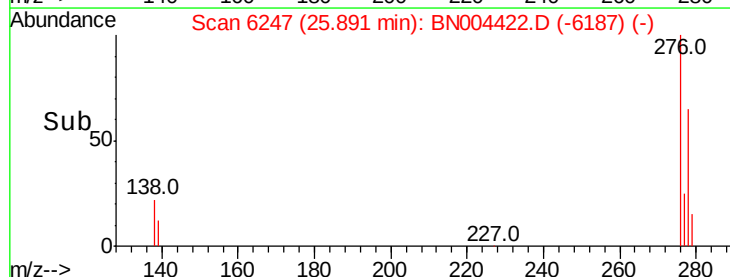
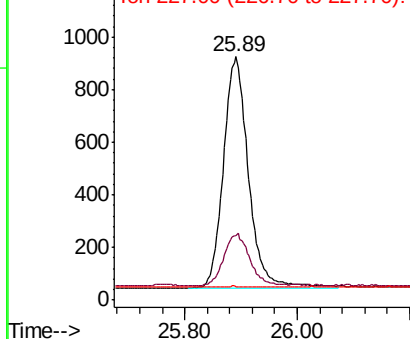
276 100

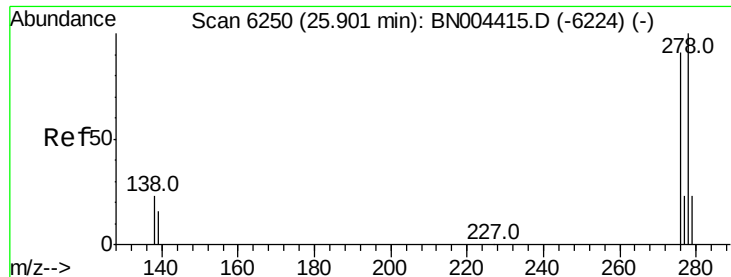
138 23.1 19.1 28.7

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: 0.069 ng/ul

RT: 25.91 min Scan# 6252

Delta R.T. 0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA_N

ClientSampleId :

MDL-W-07

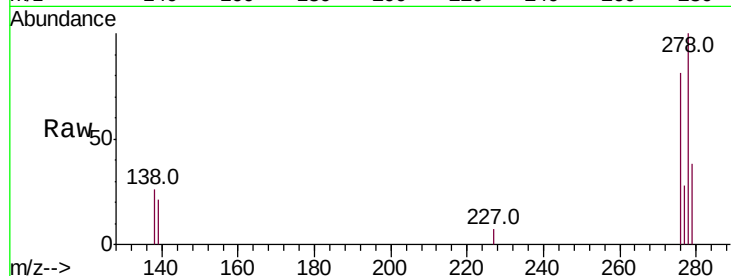
Tot Ion:278 Resp: 2170

Ion Ratio Lower Upper

278 100

139 20.6 13.8 20.6

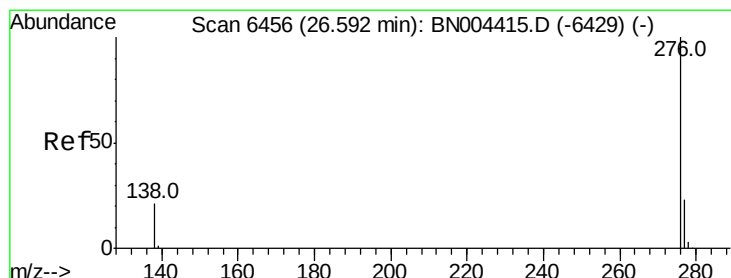
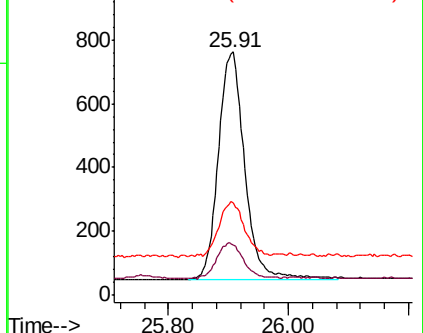
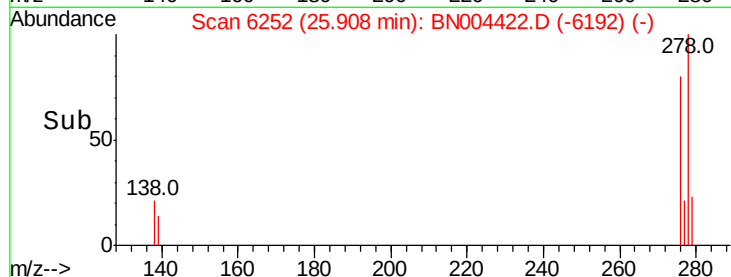
279 37.9 20.4 30.6#



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: 0.073 ng/ul

RT: 26.59 min Scan# 6455

Delta R.T. -0.01 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

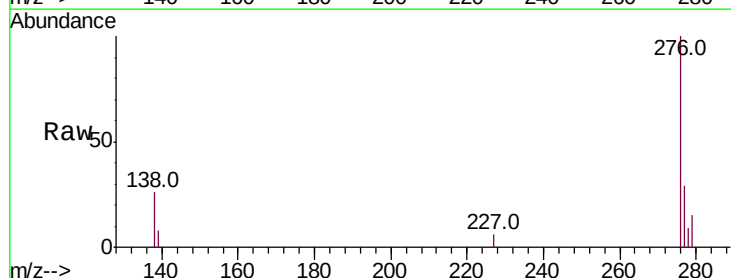
Tgt Ion:276 Resp: 2565

Ion Ratio Lower Upper

276 100

138 26.0 16.8 25.2#

277 28.5 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

