

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
 Data File : BN004421.D
 Acq On : 14 Feb 2019 15:40
 Operator : JU/SJ
 Sample : MDL-W-06
 Misc : 0.07 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-06

Quant Time: Feb 14 16:12:41 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

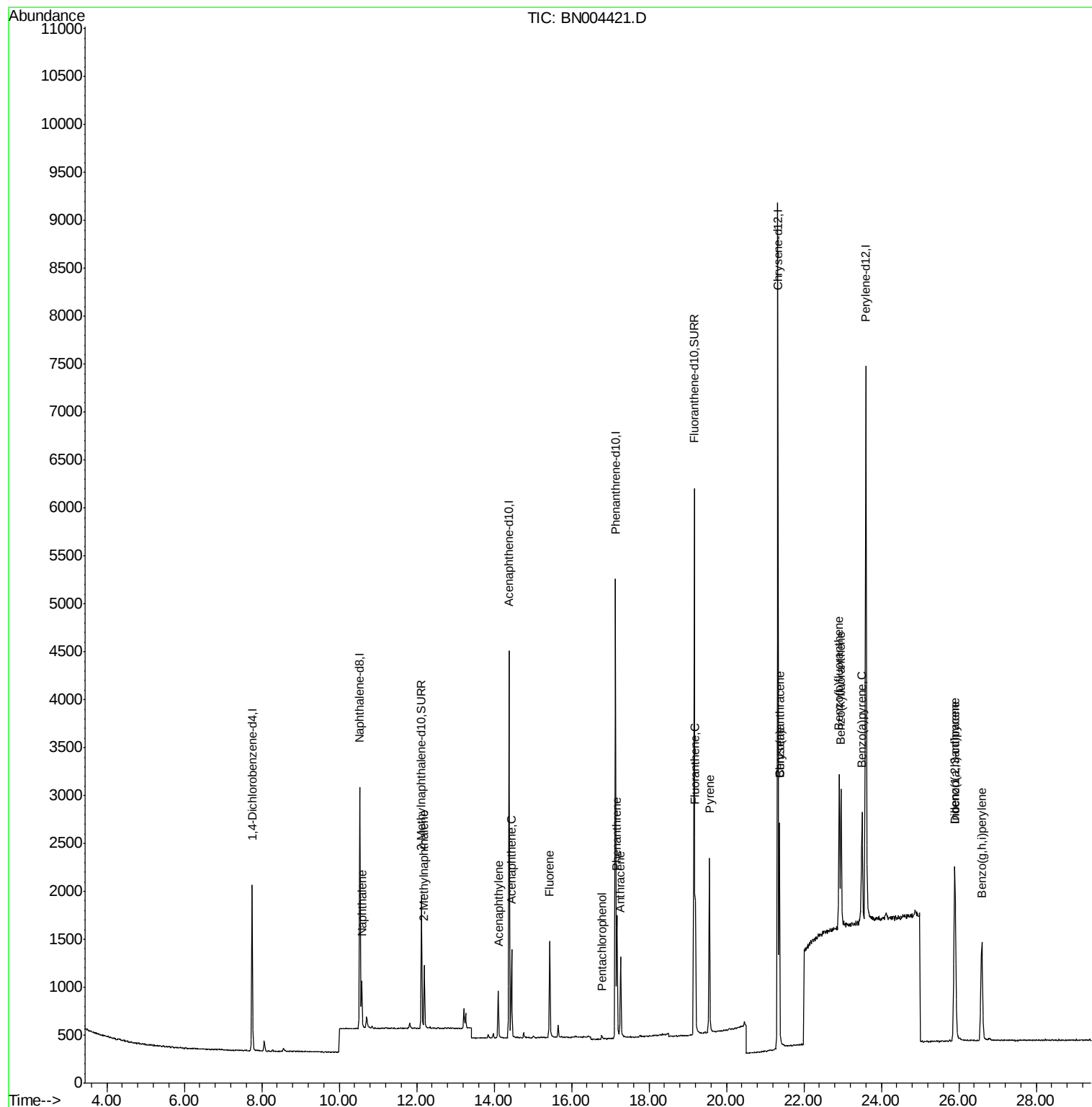
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	908	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3567	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2171	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	6104	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	7865	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8096	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1974	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	6515	0.34	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.58	128	655	0.064	ng/ul#	77
5) 2-Methylnaphthalene	12.20	142	477	0.065	ng/ul	98
7) Acenaphthylene	14.11	152	593	0.060	ng/ul#	77
8) Acenaphthene	14.45	153	548	0.064	ng/ul	95
9) Fluorene	15.43	166	670	0.065	ng/ul#	93
11) Pentachlorophenol	16.78	266	37	0.028	ng/ul#	86
12) Phenanthrene	17.17	178	1262	0.064	ng/ul#	89
13) Anthracene	17.26	178	1020	0.061	ng/ul#	86
15) Fluoranthene	19.20	202	1592	0.065	ng/ul	93
17) Pyrene	19.56	202	1616	0.064	ng/ul#	91
18) Benzo(a)anthracene	21.37	228	1949	0.077	ng/ul	93
19) Chrysene	21.37	228	1949	0.066	ng/ul	96
21) Benzo(b)fluoranthene	22.91	252	2159	0.067	ng/ul	71
22) Benzo(k)fluoranthene	22.96	252	2007	0.063	ng/ul#	68
23) Benzo(a)pyrene	23.50	252	1782	0.062	ng/ul#	60
24) Indeno(1,2,3-cd)pyrene	25.89	276	2479	0.065	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.91	278	1990	0.065	ng/ul#	81
26) Benzo(g,h,i)perylene	26.60	276	2313	0.067	ng/ul#	89

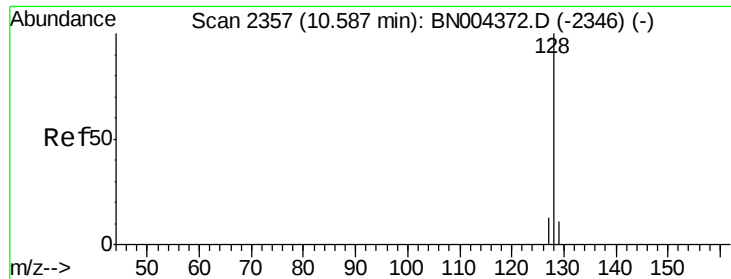
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.064 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

ClientSampleId :

MDL-W-06

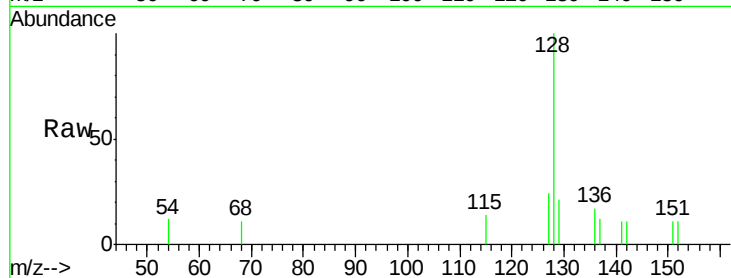
Tot Ion:128 Resp: 655

Ion Ratio Lower Upper

128 100

129 21.0 9.8 14.6#

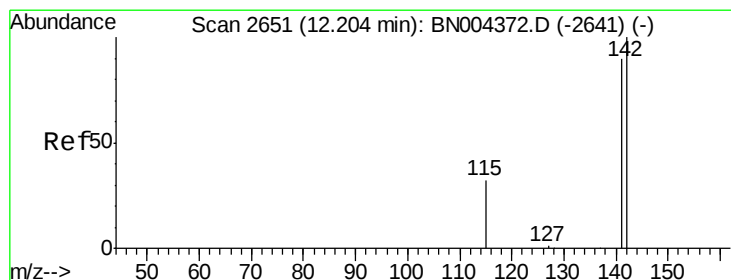
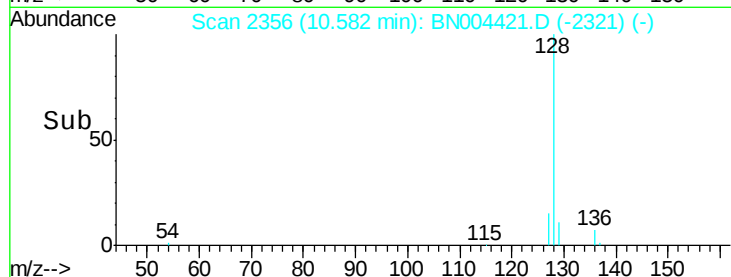
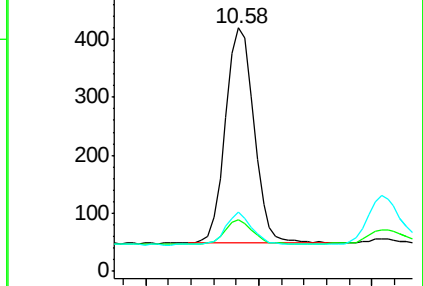
127 24.0 11.4 17.0#



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: 0.065 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004421.D

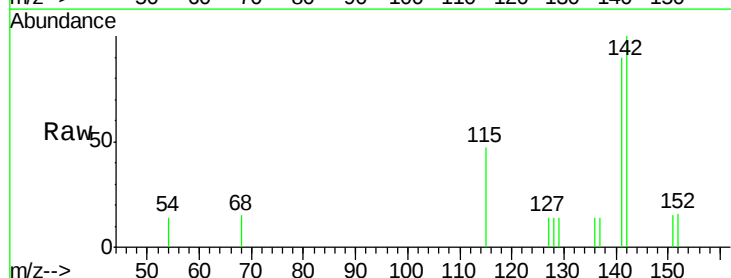
Acq: 14 Feb 2019 15:40

Tgt Ion:142 Resp: 477

Ion Ratio Lower Upper

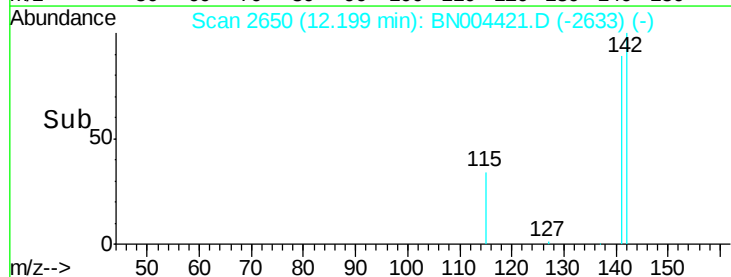
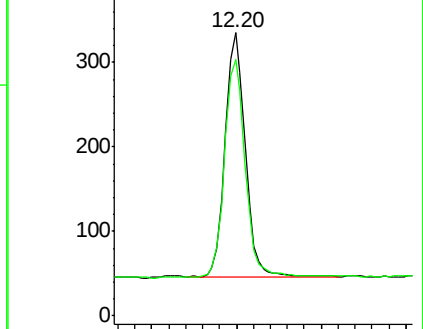
142 100

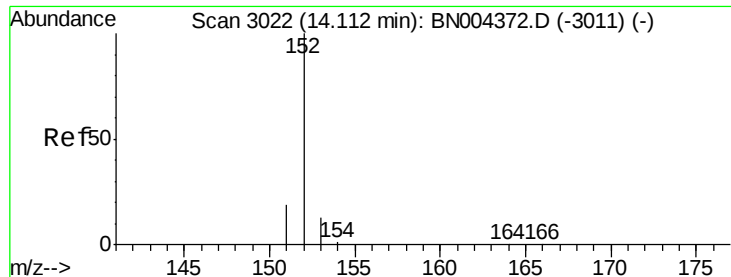
141 91.4 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.060 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

ClientSampleId :

MDL-W-06

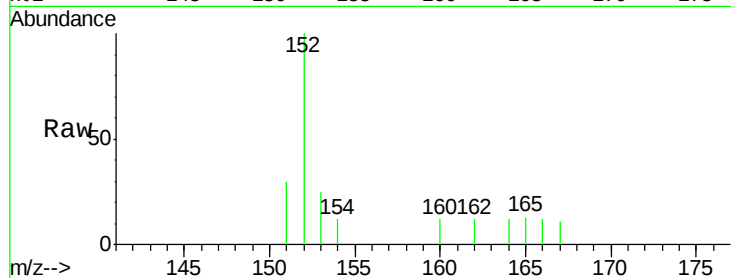
Tot Ion:152 Resp: 593

Ion Ratio Lower Upper

152 100

151 30.4 16.6 24.8#

153 24.9 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

14.11

400

300

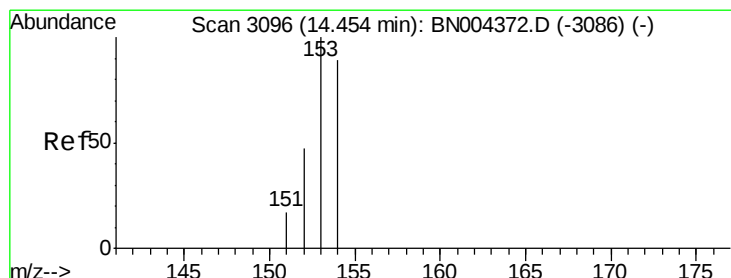
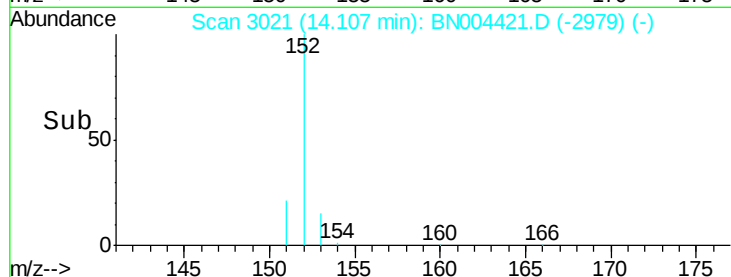
200

100

0

Time-->

14.00 14.10 14.20 14.30



#8

Acenaphthene

Concen: 0.064 ng/ul

RT: 14.45 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

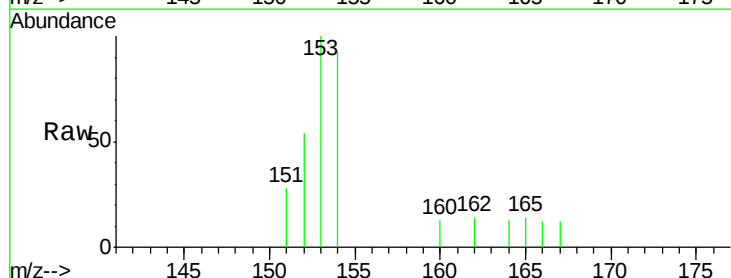
Tgt Ion:153 Resp: 548

Ion Ratio Lower Upper

153 100

152 53.5 38.4 57.6

154 92.5 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

300

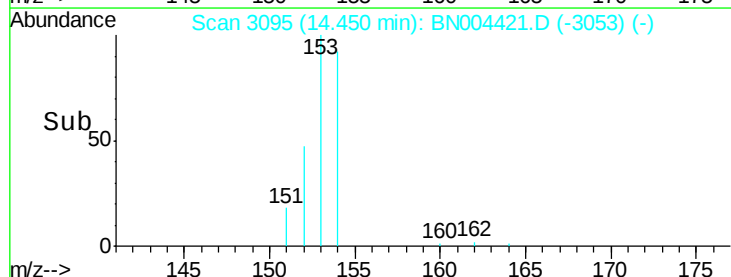
200

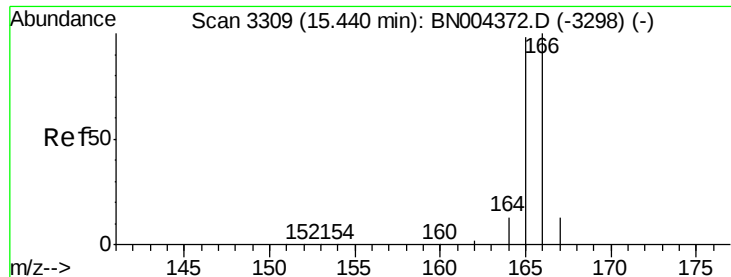
100

0

Time-->

14.40 14.45 14.50





#9

Fluorene

Concen: 0.065 ng/ul

RT: 15.43 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

ClientSampleId :

MDL-W-06

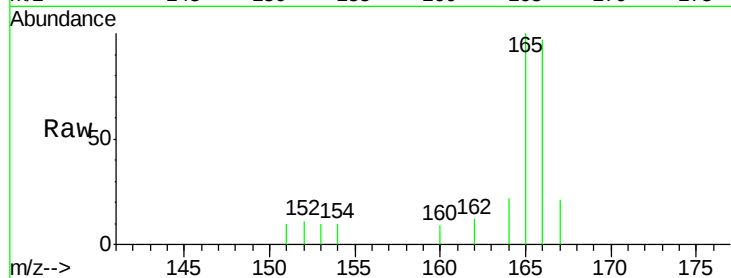
Tot Ion:166 Resp: 670

Ion Ratio Lower Upper

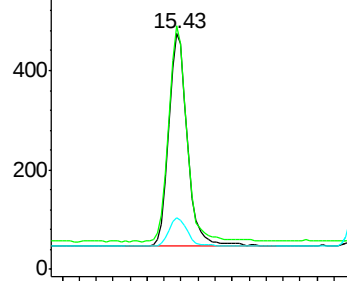
166 100

165 103.4 78.9 118.3

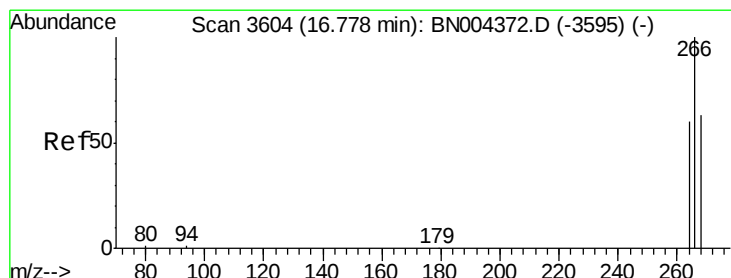
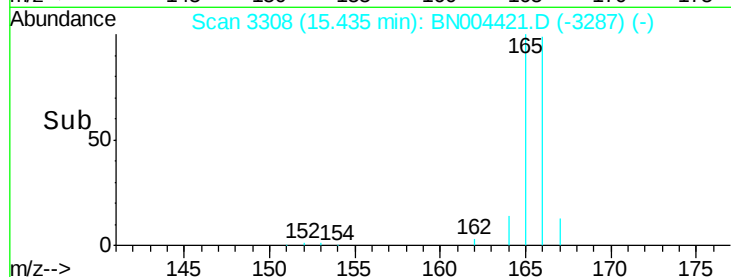
167 21.9 11.6 17.4#



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



Time-->



#11

Pentachlorophenol

Concen: 0.028 ng/ul

RT: 16.78 min Scan# 3604

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

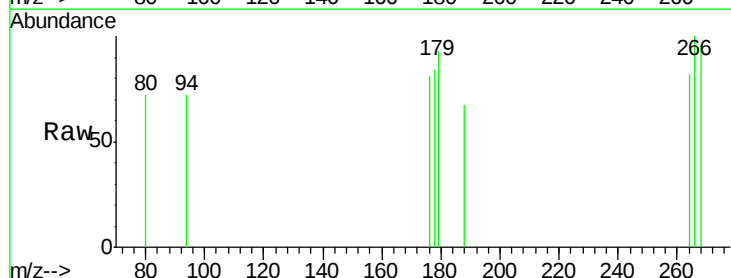
Tgt Ion:266 Resp: 37

Ion Ratio Lower Upper

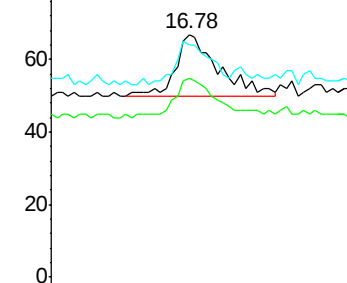
266 100

264 48.6 52.3 78.5#

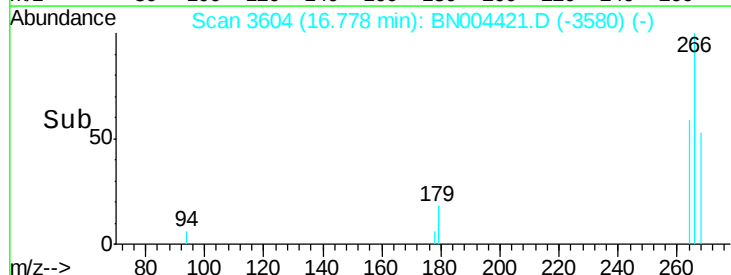
268 56.8 49.0 73.6

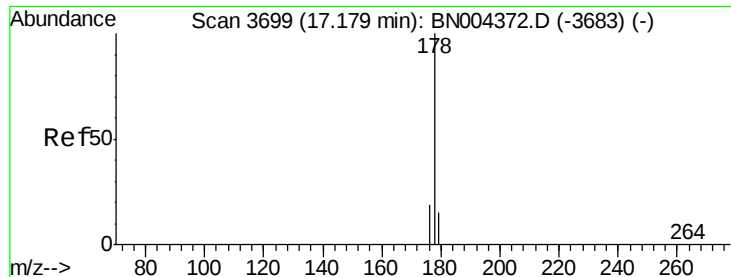


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.064 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

ClientSampleId :

MDL-W-06

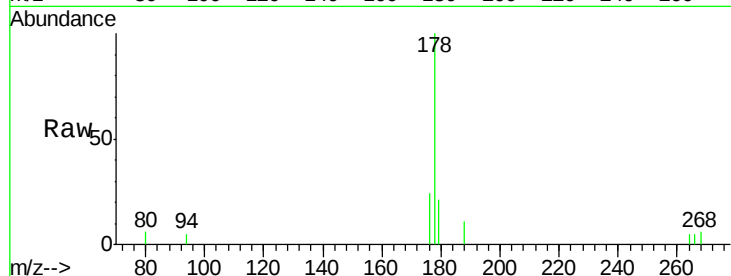
Tot Ion:178 Resp: 1262

Ion Ratio Lower Upper

178 100

179 20.9 12.6 19.0#

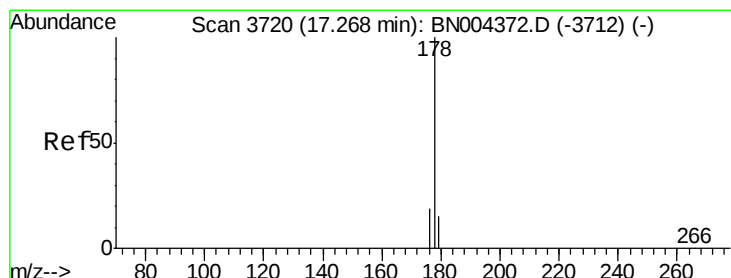
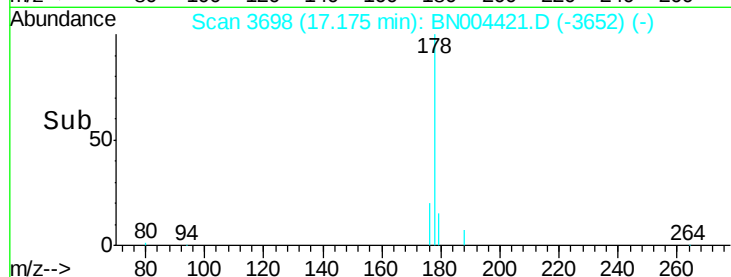
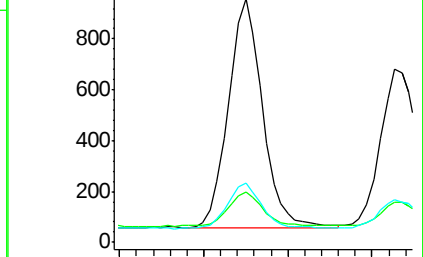
176 24.1 15.8 23.6#



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: 0.061 ng/ul

RT: 17.26 min Scan# 3719

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

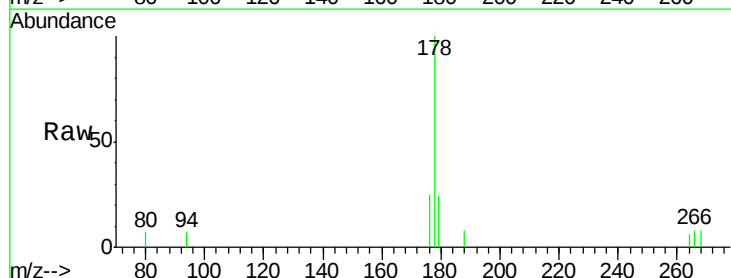
Tgt Ion:178 Resp: 1020

Ion Ratio Lower Upper

178 100

179 23.6 13.0 19.4#

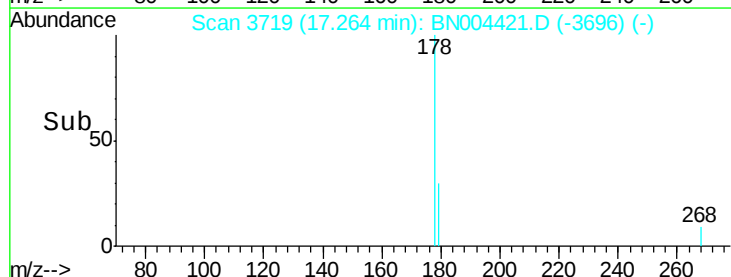
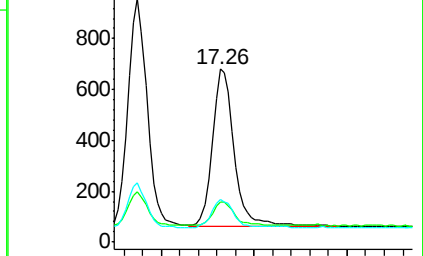
176 24.9 15.5 23.3#

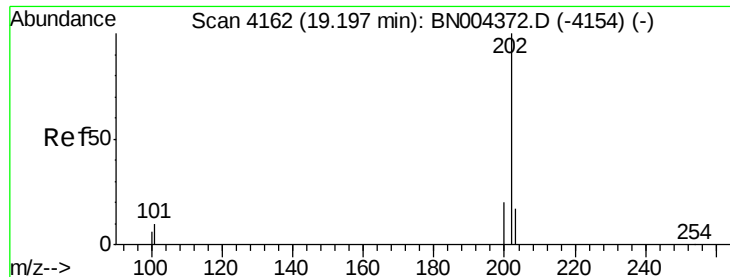


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

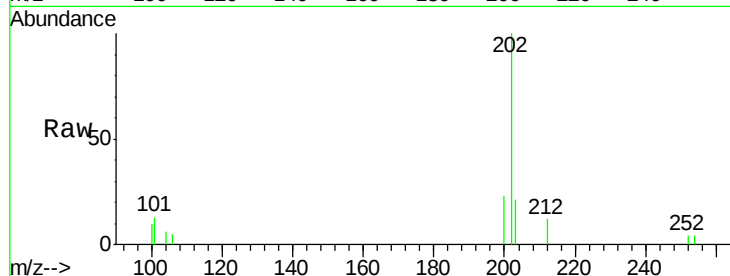




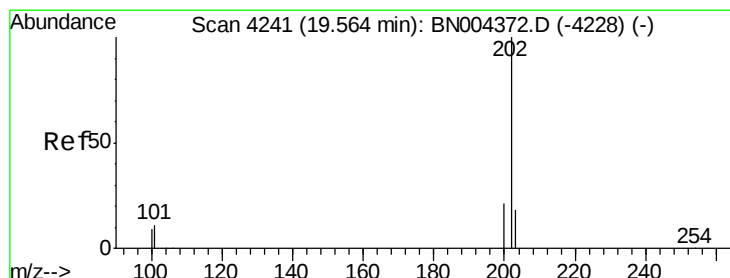
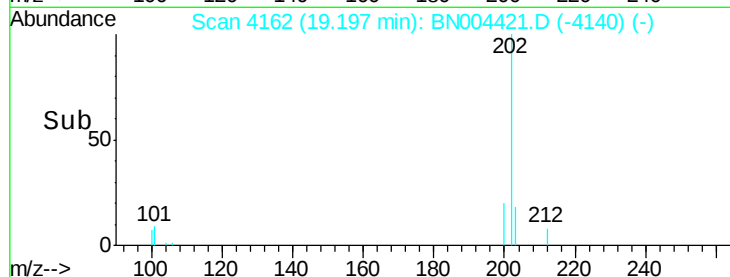
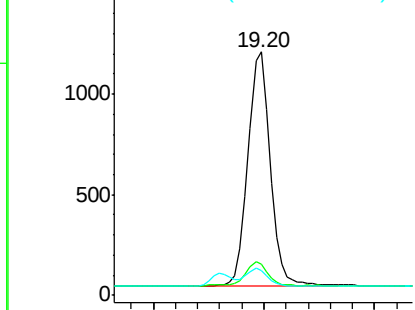
#15
Fluoranthene
 Concen: 0.065 ng/ul
 RT: 19.20 min Scan# 4162
 Delta R.T. 0.00 min
 Lab File: BN004421.D
 Acq: 14 Feb 2019 15:40

Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-06

Tot Ion:202 Resp: 1592
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 30.4
 100 10.2 0.0 27.6

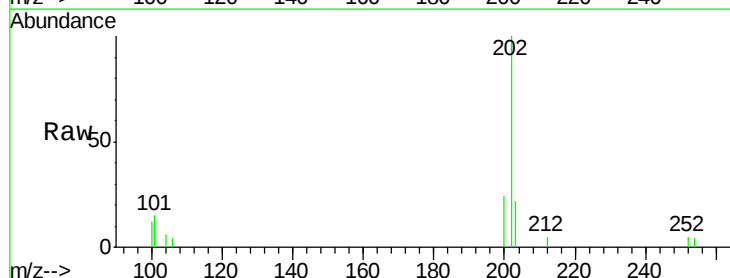


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

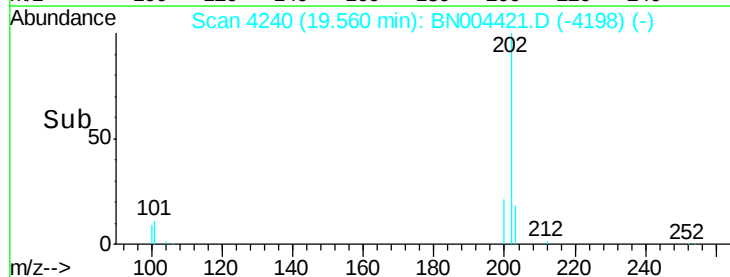
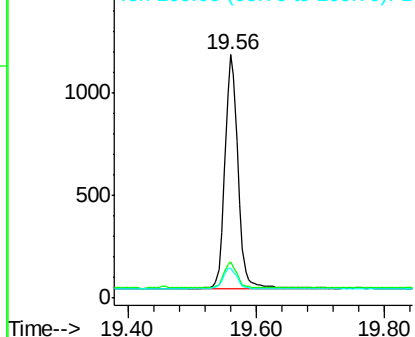


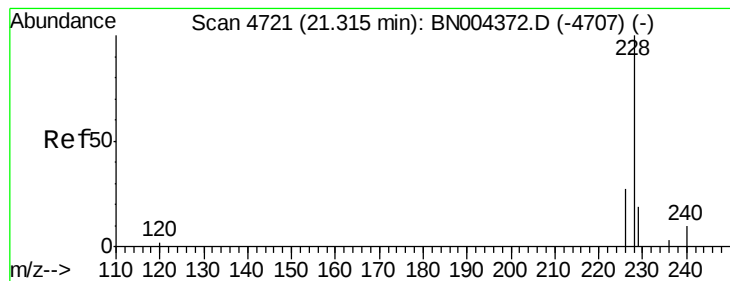
#17
Pyrene
 Concen: 0.064 ng/ul
 RT: 19.56 min Scan# 4240
 Delta R.T. -0.00 min
 Lab File: BN004421.D
 Acq: 14 Feb 2019 15:40

Tgt Ion:202 Resp: 1616
 Ion Ratio Lower Upper
 202 100
 101 14.8 9.0 13.6#
 100 12.5 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: 0.077 ng/ul

RT: 21.37 min Scan# 4739

Delta R.T. 0.05 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

ClientSampleId :

MDL-W-06

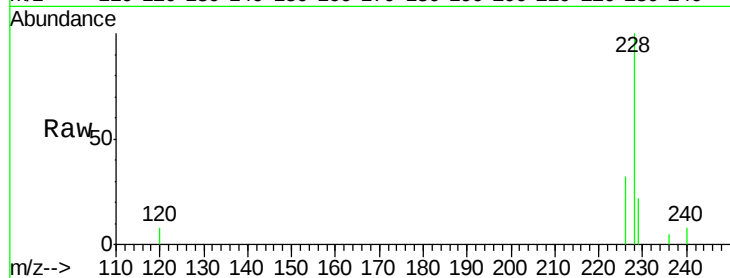
Tot Ion:228 Resp: 1949

Ion Ratio Lower Upper

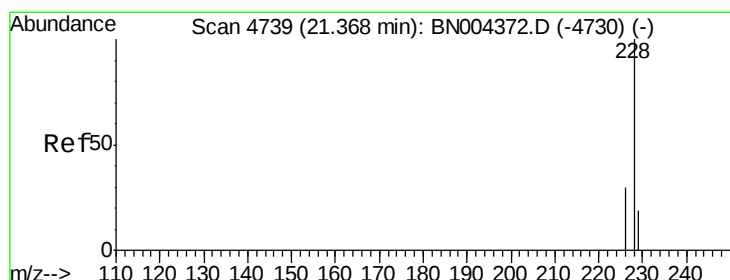
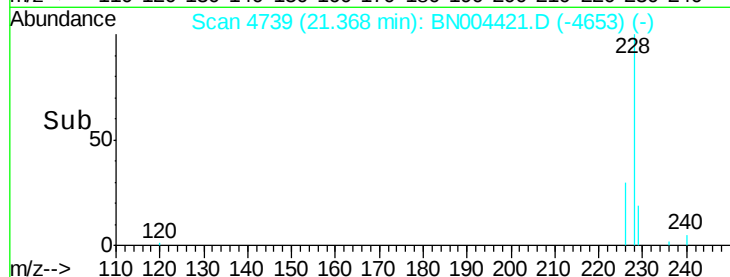
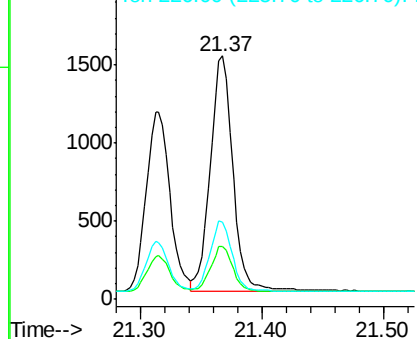
228 100

229 21.6 15.7 23.5

226 31.8 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: 0.066 ng/ul

RT: 21.37 min Scan# 4739

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

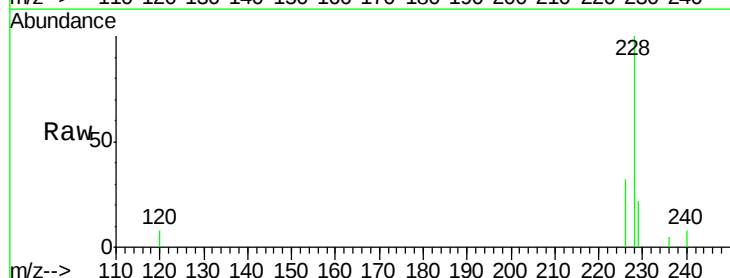
Tgt Ion:228 Resp: 1949

Ion Ratio Lower Upper

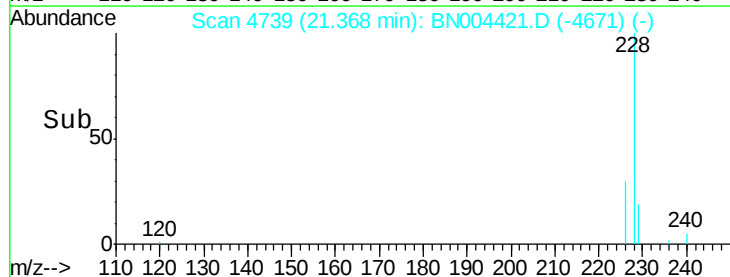
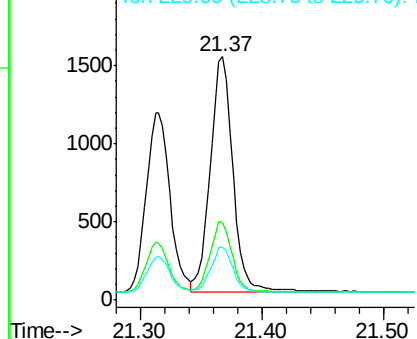
228 100

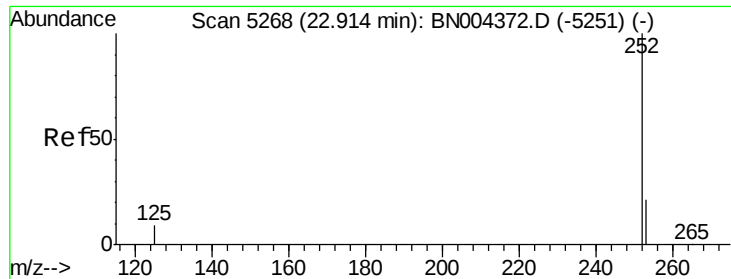
226 31.8 23.8 35.8

229 21.6 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: 0.067 ng/u1

RT: 22.91 min Scan# 5267

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

ClientSampleId :

MDL-W-06

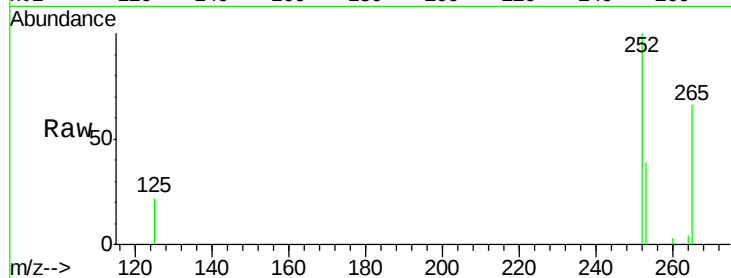
Tot Ion:252 Resp: 2159

Ion Ratio Lower Upper

252 100

253 39.0 0.0 48.0

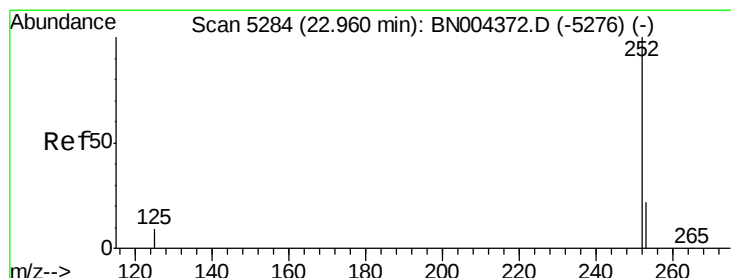
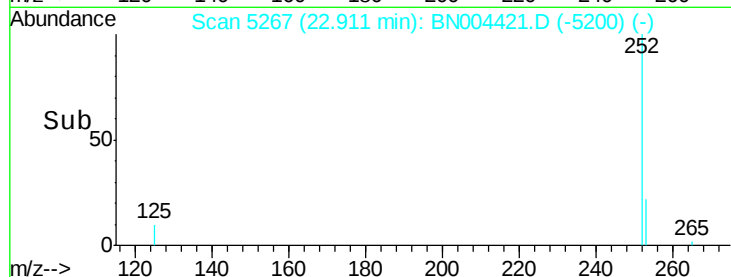
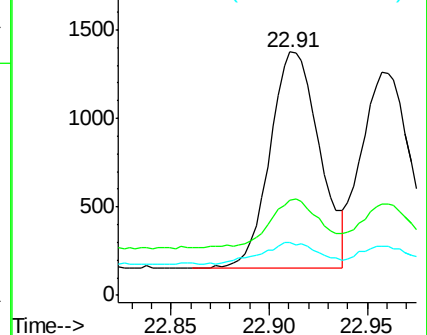
125 21.5 0.0 22.8



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: 0.063 ng/u1

RT: 22.96 min Scan# 5283

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

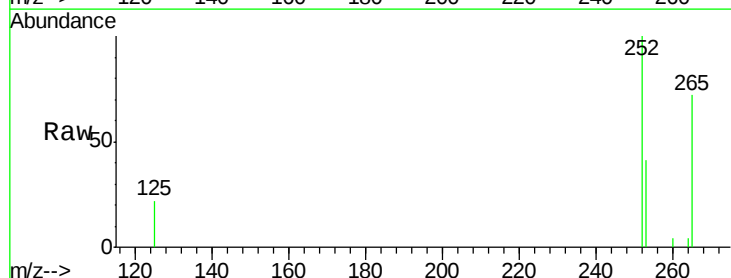
Tgt Ion:252 Resp: 2007

Ion Ratio Lower Upper

252 100

253 40.9 19.5 29.3#

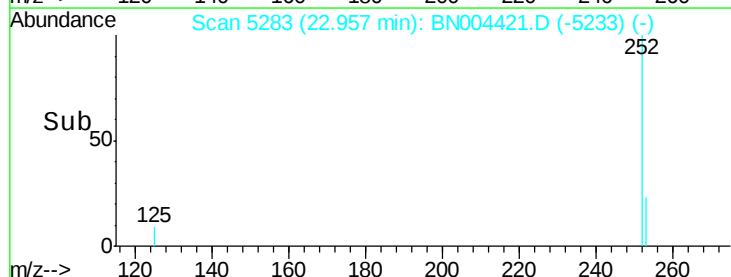
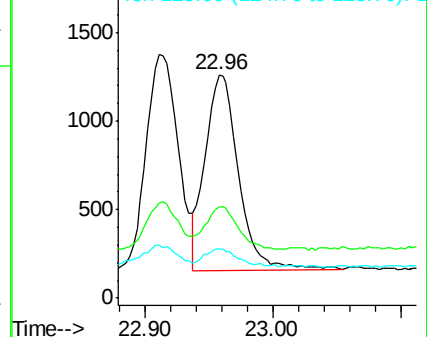
125 22.1 9.1 13.7#

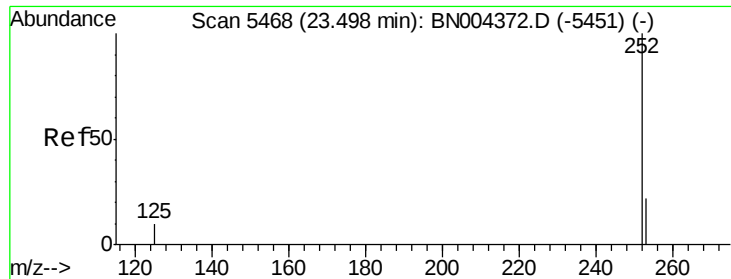


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.062 ng/u1

RT: 23.50 min Scan# 5468

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

ClientSampleId :

MDL-W-06

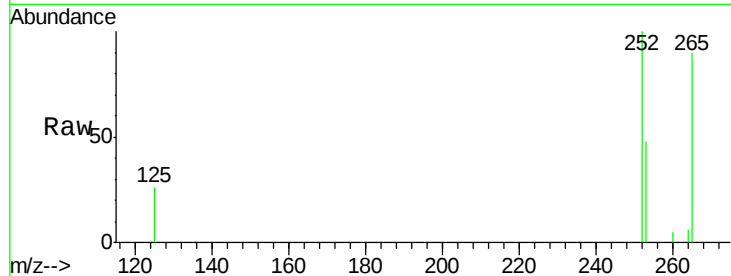
Tot Ion:252 Resp: 1782

Ion Ratio Lower Upper

252 100

253 47.6 20.4 30.6#

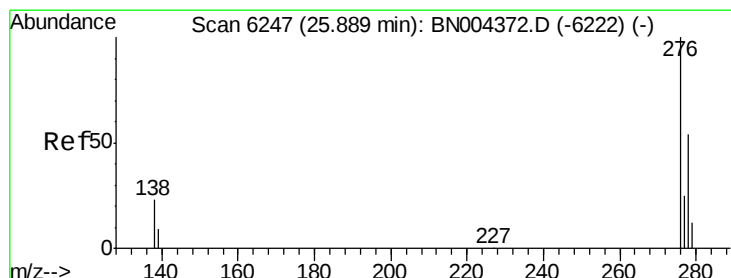
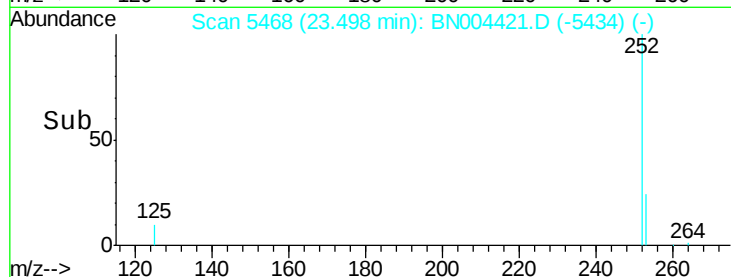
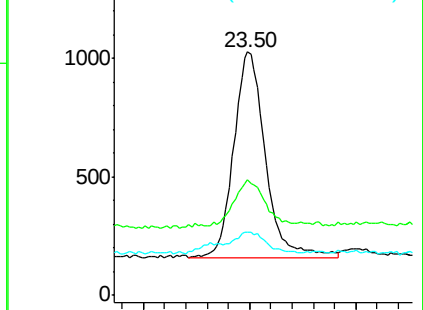
125 26.2 10.6 15.8#



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: 0.065 ng/u1

RT: 25.89 min Scan# 6247

Delta R.T. -0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

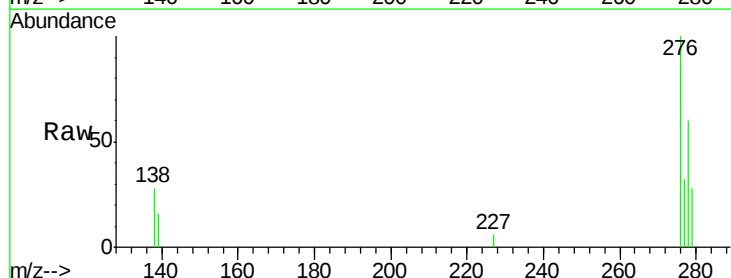
Tgt Ion:276 Resp: 2479

Ion Ratio Lower Upper

276 100

138 22.9 19.1 28.7

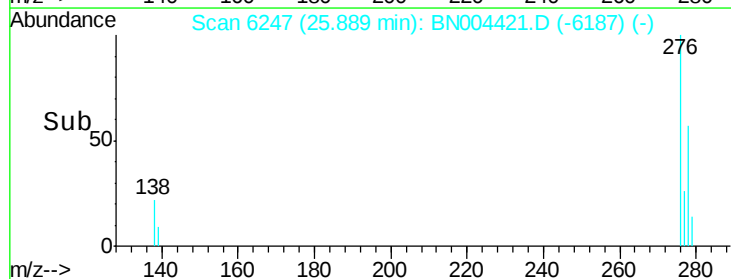
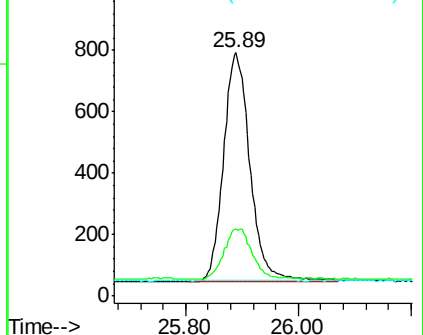
227 0.1 0.2 0.4#

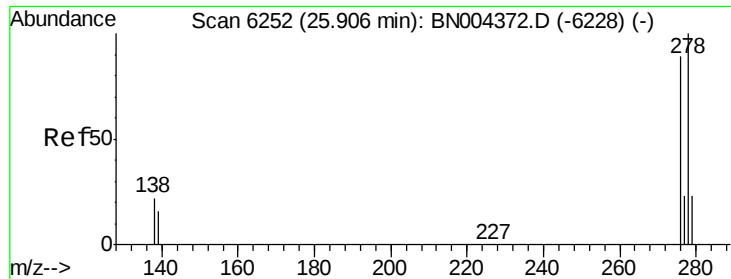


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.065 ng/u1

RT: 25.91 min Scan# 6253

Delta R.T. 0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

Instrument :

BNA_N

ClientSampleId :

MDL-W-06

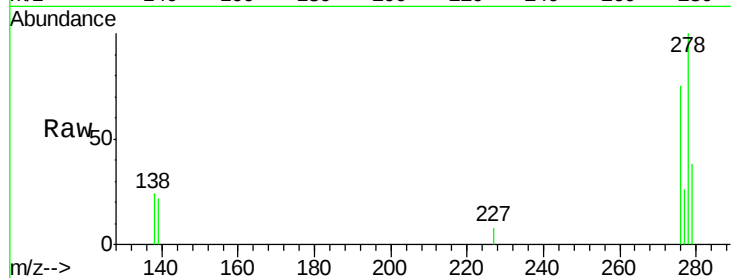
Tot Ion:278 Resp: 1990

Ion Ratio Lower Upper

278 100

139 22.1 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

25.91

800

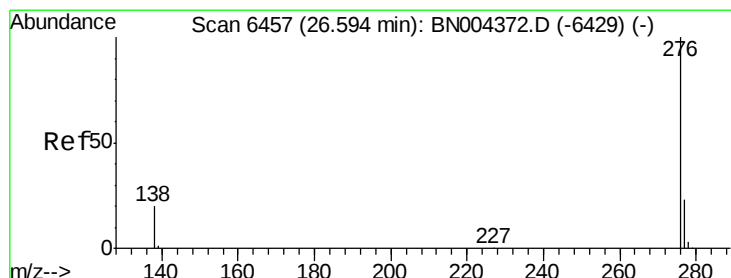
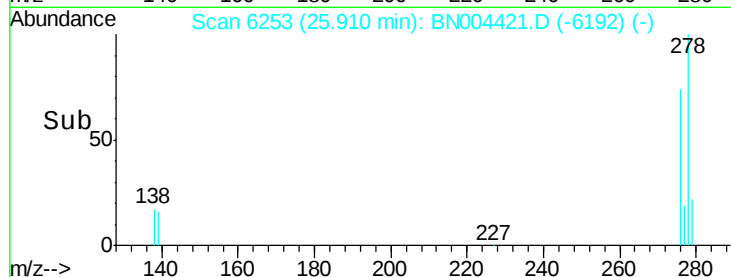
600

400

200

0

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.067 ng/u1

RT: 26.60 min Scan# 6458

Delta R.T. 0.00 min

Lab File: BN004421.D

Acq: 14 Feb 2019 15:40

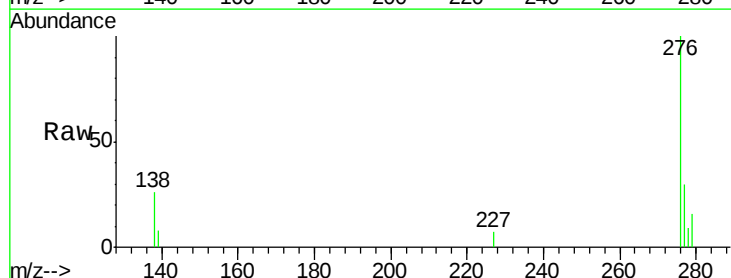
Tgt Ion:276 Resp: 2313

Ion Ratio Lower Upper

276 100

138 26.4 16.8 25.2#

277 29.6 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

26.60

1000

800

600

400

200

0

Time-->

