

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021419\
 Data File : BN004428.D
 Acq On : 14 Feb 2019 19:47
 Operator : JU/SJ
 Sample : MDL-S-03
 Misc : 0.07 PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-S-03

Quant Time: Feb 15 01:23:47 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

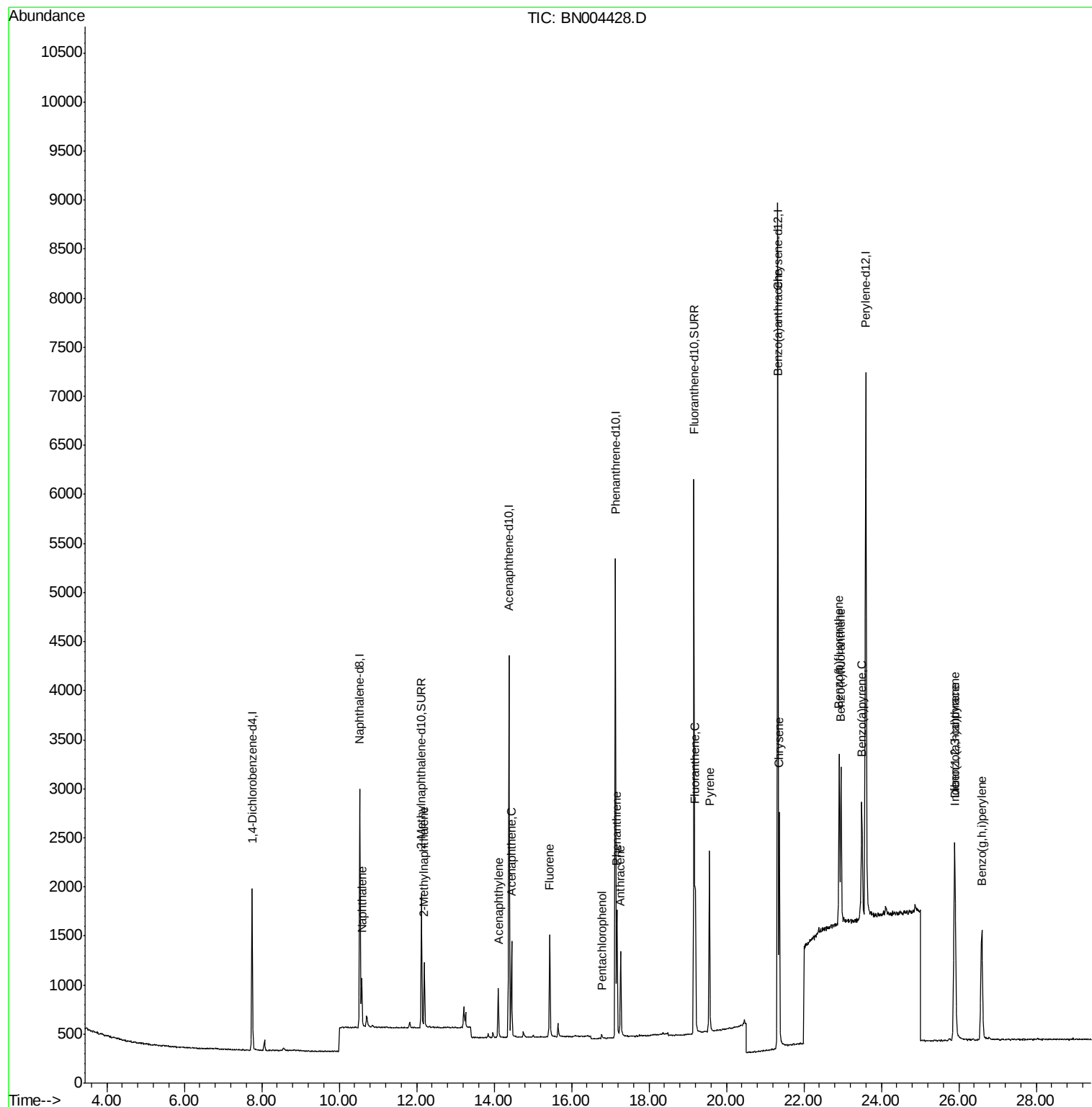
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	848	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3412	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2110	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	6025	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	7742	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8105	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1920	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	6516	0.34	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.58	128	670	0.068	ng/ul#	81
5) 2-Methylnaphthalene	12.20	142	488	0.070	ng/ul	100
7) Acenaphthylene	14.11	152	595	0.062	ng/ul#	82
8) Acenaphthene	14.45	153	567	0.068	ng/ul	97
9) Fluorene	15.43	166	693	0.069	ng/ul#	98
11) Pentachlorophenol	16.78	266	40	0.031	ng/ul	89
12) Phenanthrene	17.17	178	1343	0.069	ng/ul#	89
13) Anthracene	17.26	178	1036	0.063	ng/ul#	87
15) Fluoranthene	19.20	202	1617	0.067	ng/ul	93
17) Pyrene	19.56	202	1635	0.066	ng/ul#	91
18) Benzo(a)anthracene	21.31	228	1641	0.066	ng/ul	96
19) Chrysene	21.37	228	2056	0.071	ng/ul	95
21) Benzo(b)fluoranthene	22.91	252	2262	0.070	ng/ul	74
22) Benzo(k)fluoranthene	22.96	252	2144	0.067	ng/ul#	71
23) Benzo(a)pyrene	23.50	252	1917	0.066	ng/ul#	62
24) Indeno(1,2,3-cd)pyrene	25.89	276	2594	0.068	ng/ul#	52
25) Dibenzo(a,h)anthracene	25.90	278	2074	0.067	ng/ul#	81
26) Benzo(g,h,i)perylene	26.60	276	2438	0.071	ng/ul#	90

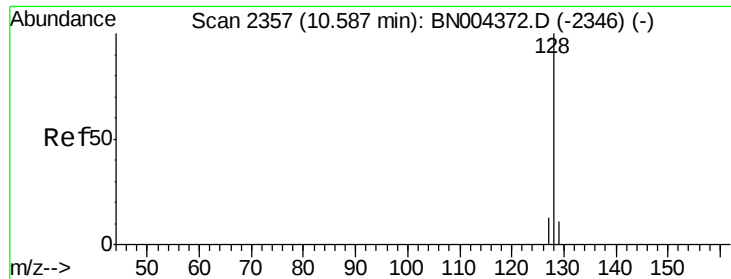
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.068 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

Instrument :

BNA_N

ClientSampleId :

MDL-S-03

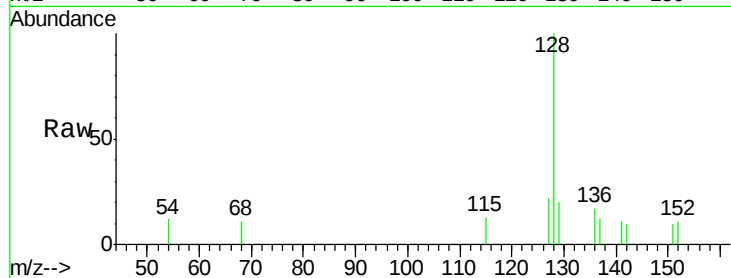
Tgt Ion:128 Resp: 670

Ion Ratio Lower Upper

128 100

129 20.1 9.8 14.6#

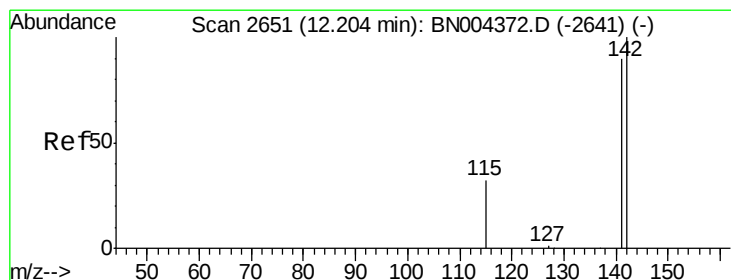
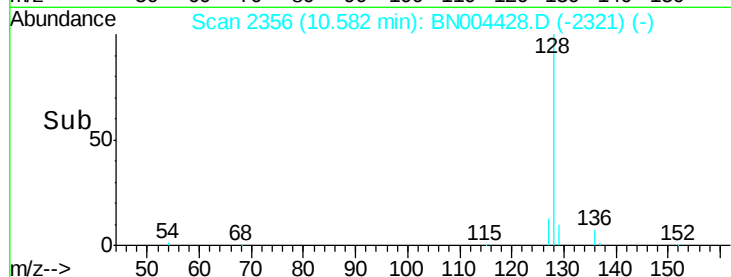
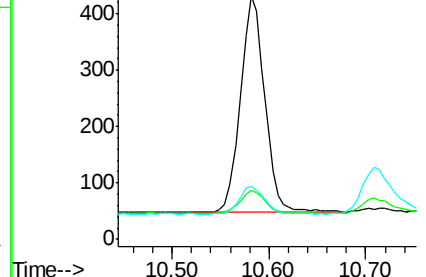
127 21.8 11.4 17.0#



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: BN004428.D

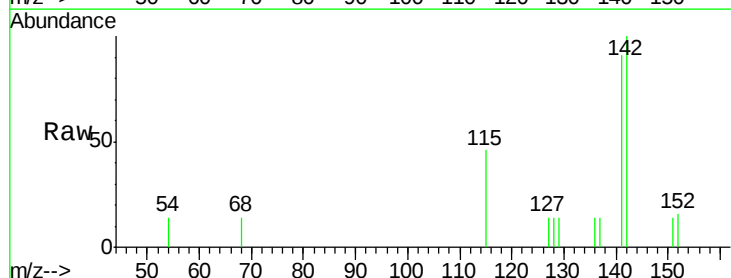
Acq: 14 Feb 2019 19:47

Tgt Ion:142 Resp: 488

Ion Ratio Lower Upper

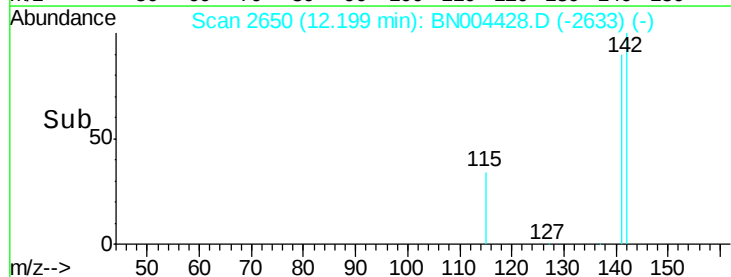
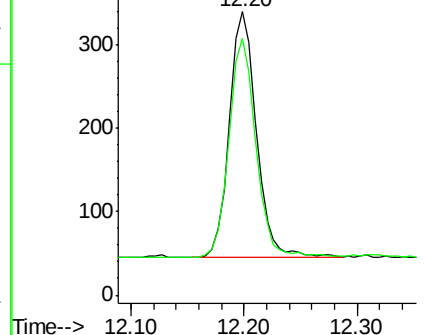
142 100

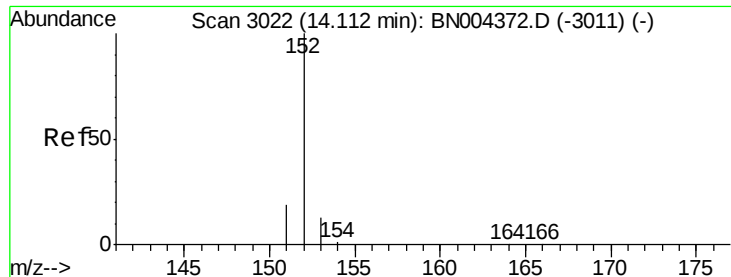
141 89.5 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.062 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

Instrument :

BNA_N

ClientSampleId :

MDL-S-03

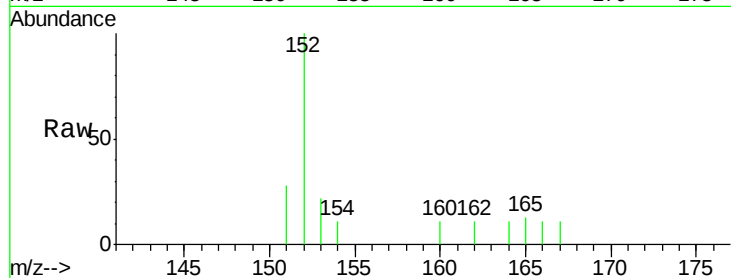
Tgt Ion:152 Resp: 595

Ion Ratio Lower Upper

152 100

151 28.4 16.6 24.8#

153 22.4 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

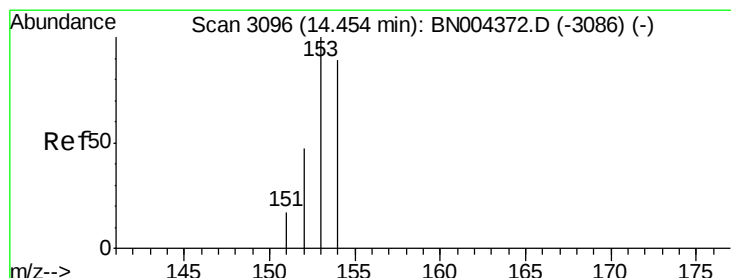
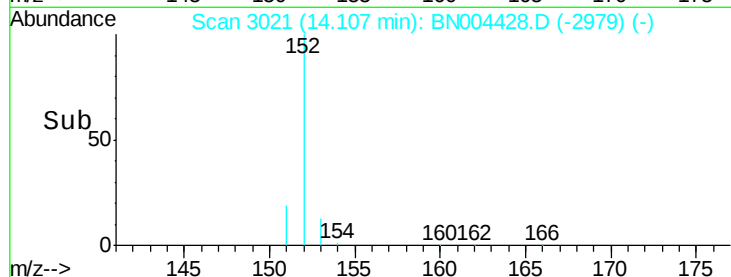
300

200

100

0

Time--> 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.068 ng/ul

RT: 14.45 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

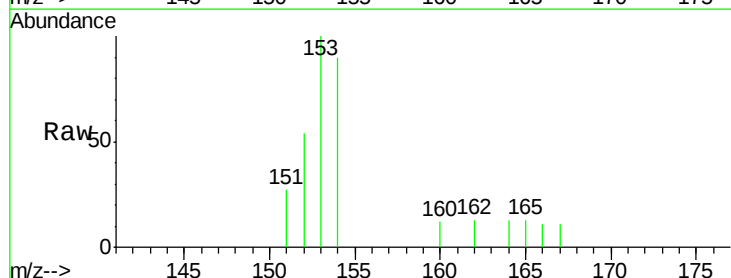
Tgt Ion:153 Resp: 567

Ion Ratio Lower Upper

153 100

152 53.8 38.4 57.6

154 89.9 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

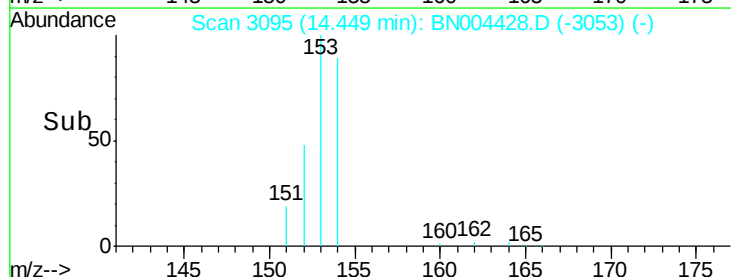
300

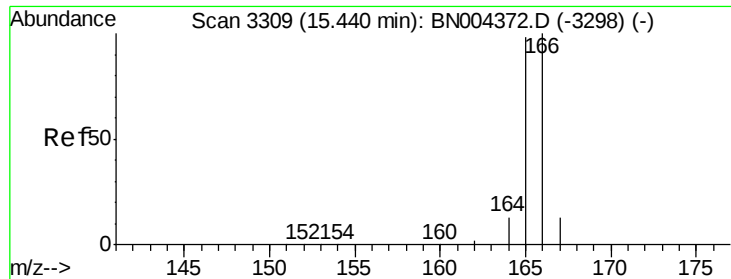
200

100

0

Time--> 14.40 14.45 14.50





#9

Fluorene

Concen: 0.069 ng/ul

RT: 15.43 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

Instrument :

BNA_N

ClientSampleId :

MDL-S-03

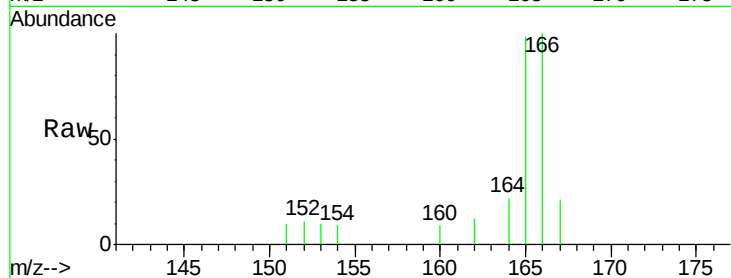
Tgt Ion:166 Resp: 693

Ion Ratio Lower Upper

166 100

165 98.4 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

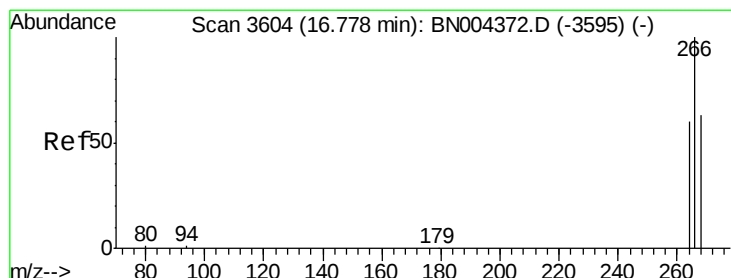
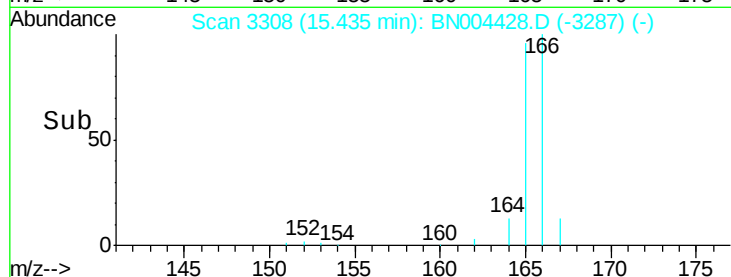
15.43

400

200

0

Time--> 15.30 15.40 15.50 15.60



#11

Pentachlorophenol

Concen: 0.031 ng/ul

RT: 16.78 min Scan# 3604

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

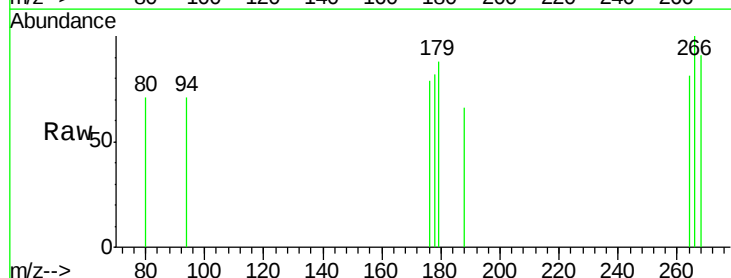
Tgt Ion:266 Resp: 40

Ion Ratio Lower Upper

266 100

264 55.0 52.3 78.5

268 67.5 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

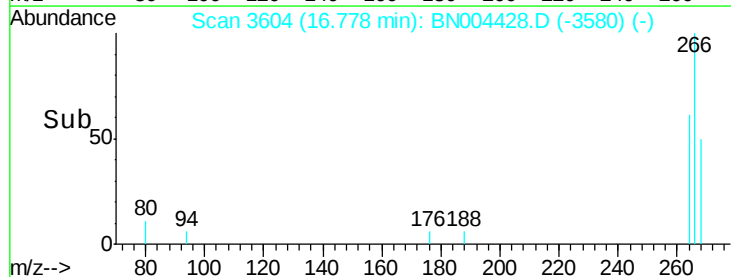
60

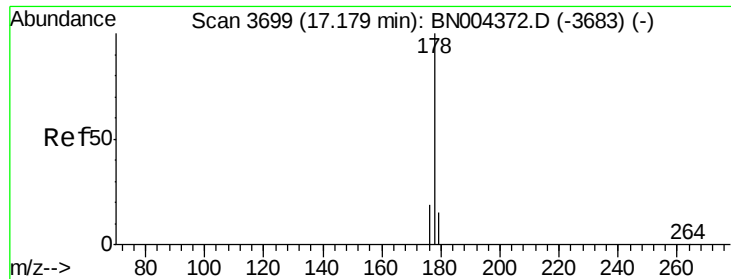
40

20

0

Time--> 16.75 16.80





#12

Phenanthrene

Concen: 0.069 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

Instrument :

BNA_N

ClientSampleId :

MDL-S-03

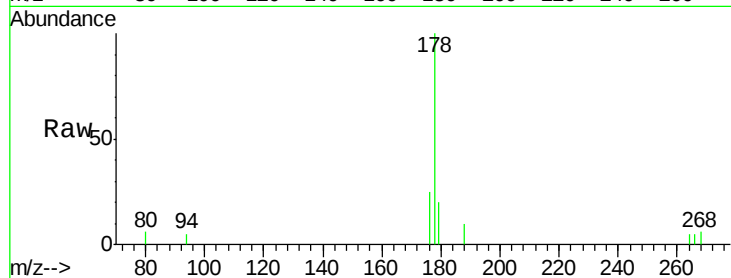
Tgt Ion:178 Resp: 1343

Ion Ratio Lower Upper

178 100

179 20.1 12.6 19.0#

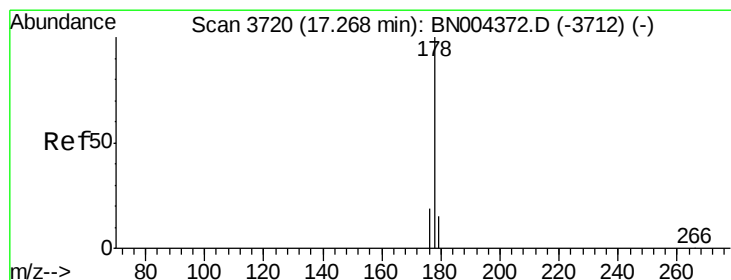
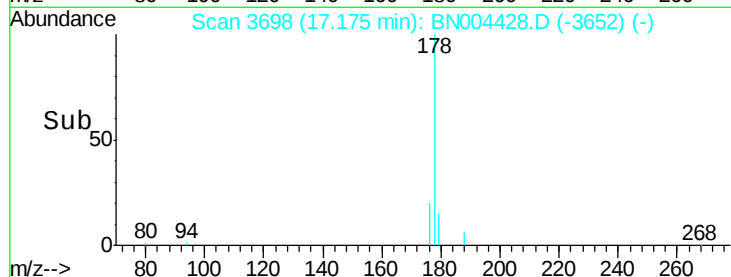
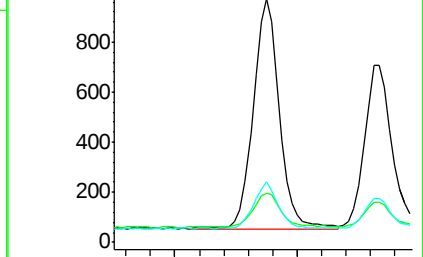
176 24.8 15.8 23.6#



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: 0.063 ng/ul

RT: 17.26 min Scan# 3719

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

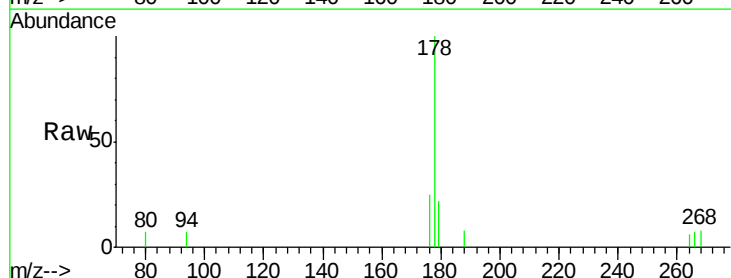
Tgt Ion:178 Resp: 1036

Ion Ratio Lower Upper

178 100

179 22.4 13.0 19.4#

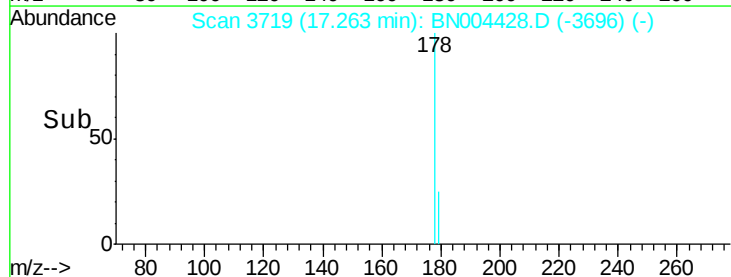
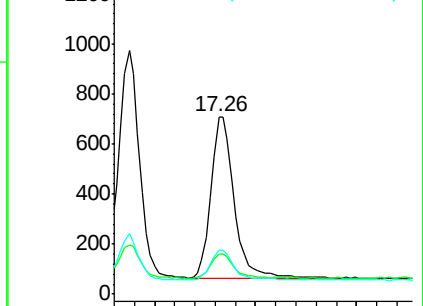
176 24.6 15.5 23.3#

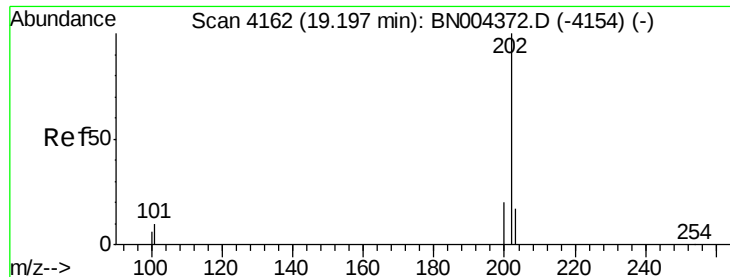


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.067 ng/ul

RT: 19.20 min Scan# 4162

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

Instrument :

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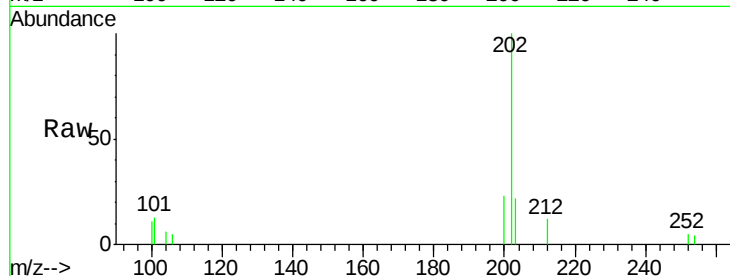
Tgt Ion:202 Resp: 1617

Ion Ratio Lower Upper

202 100

101 12.6 0.0 30.4

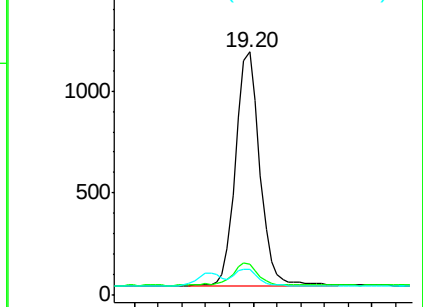
100 10.6 0.0 27.6



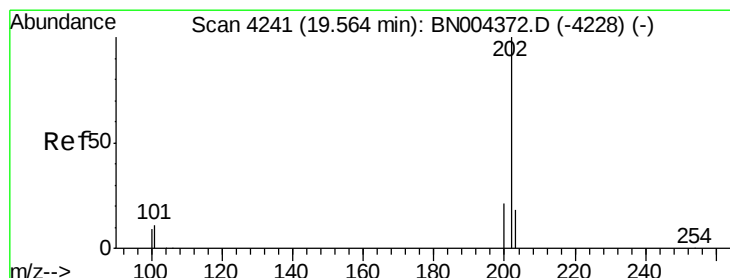
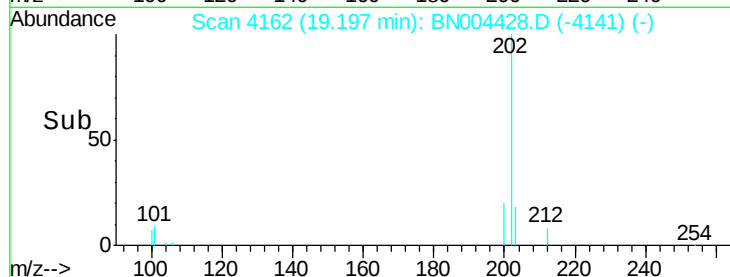
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.10 19.20 19.30



#17

Pyrene

Concen: 0.066 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

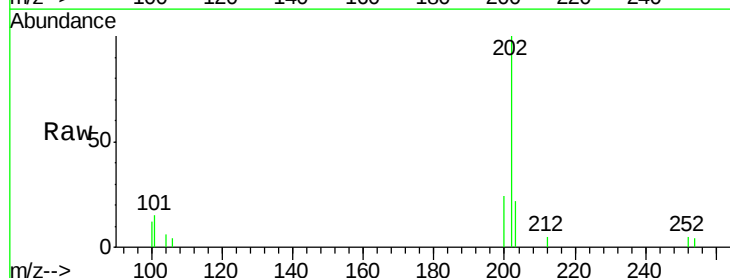
Tgt Ion:202 Resp: 1635

Ion Ratio Lower Upper

202 100

101 15.0 9.0 13.6#

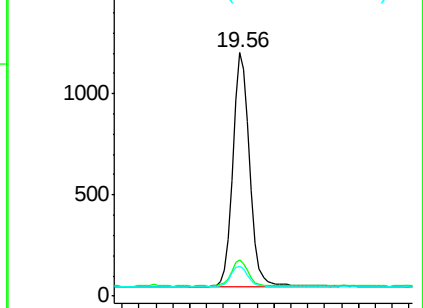
100 12.2 7.4 11.0#



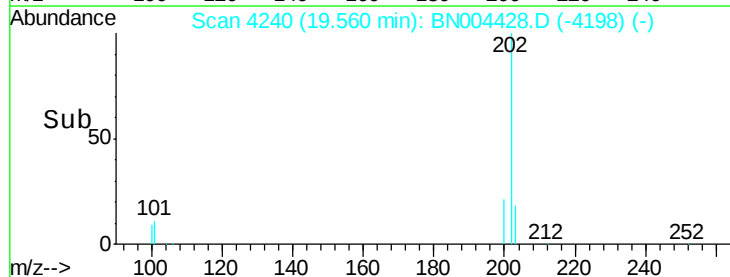
Abundance Ion 202.00 (201.70 to 202.70): E

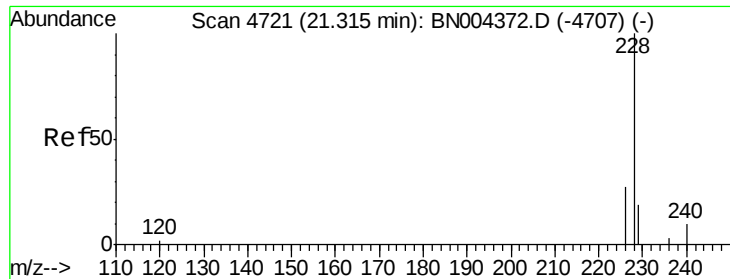
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.50 19.60 19.70





#18

Benzo(a)anthracene

Concen: 0.066 ng/ul

RT: 21.31 min Scan# 4720

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

Instrument :

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ClientSampleId :

MDL-S-03

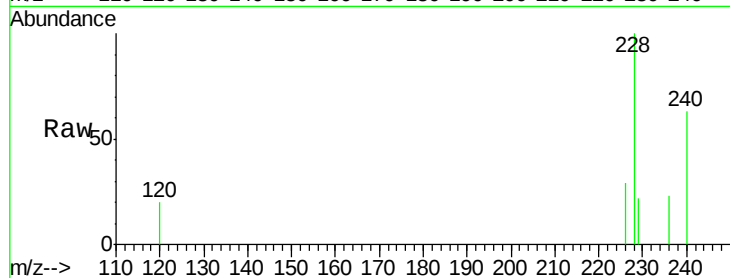
Tgt Ion:228 Resp: 1641

Ion Ratio Lower Upper

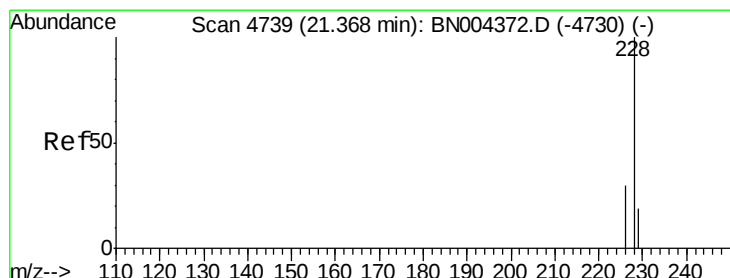
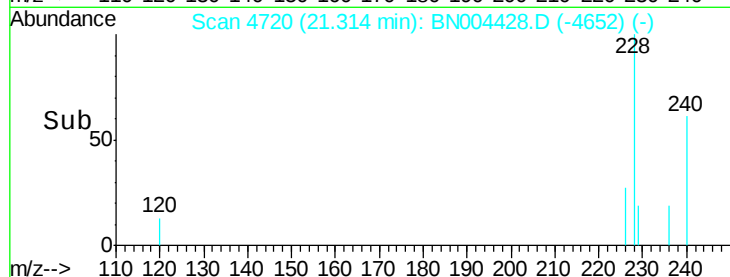
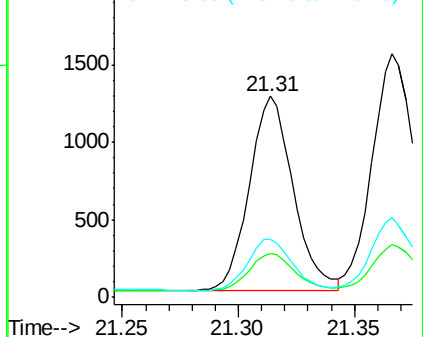
228 100

229 22.0 15.7 23.5

226 29.2 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: 0.071 ng/ul

RT: 21.37 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

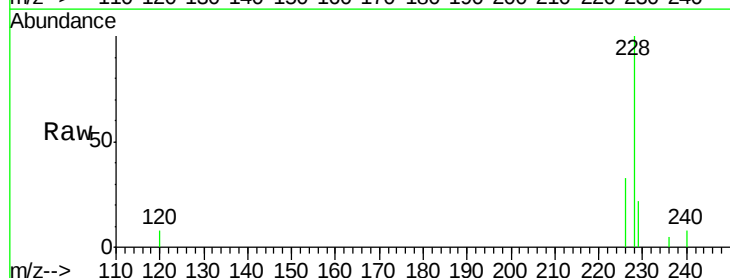
Tgt Ion:228 Resp: 2056

Ion Ratio Lower Upper

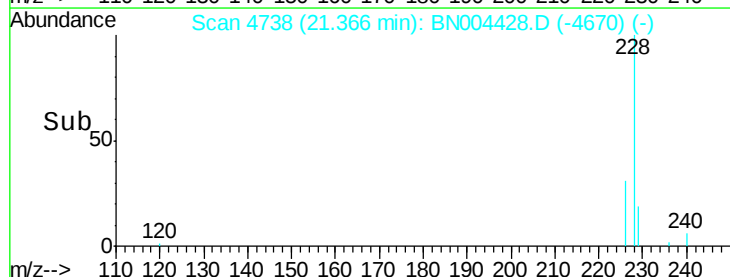
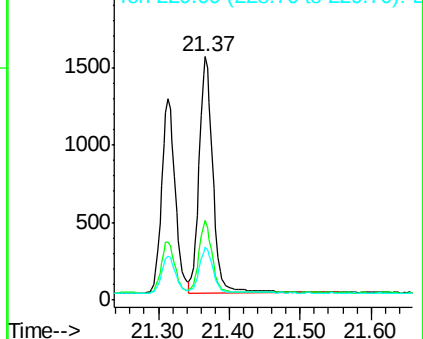
228 100

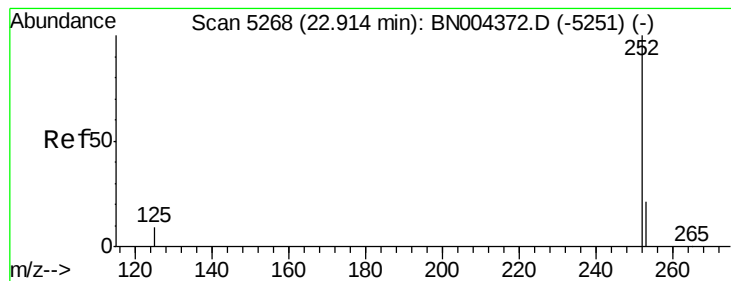
226 32.8 23.8 35.8

229 21.8 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: 0.070 ng/ul

RT: 22.91 min Scan# 5267

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

Instrument :

BNA_N

ClientSampleId :

MDL-S-03

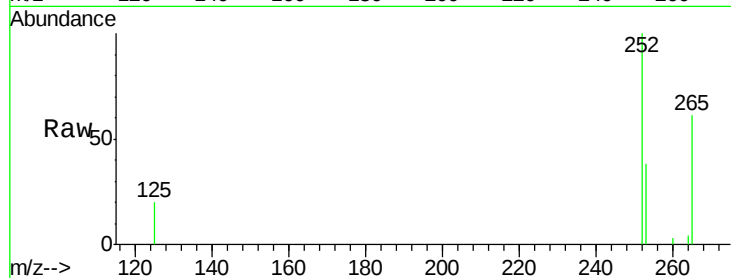
Tgt Ion:252 Resp: 2262

Ion Ratio Lower Upper

252 100

253 37.8 0.0 48.0

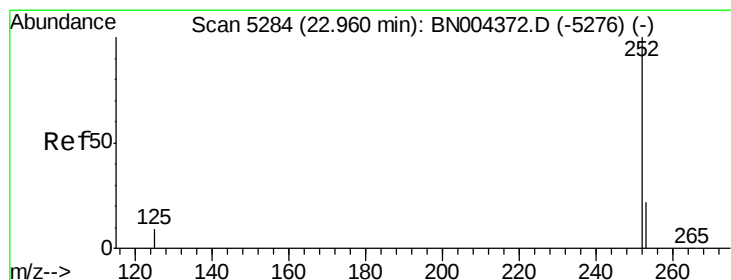
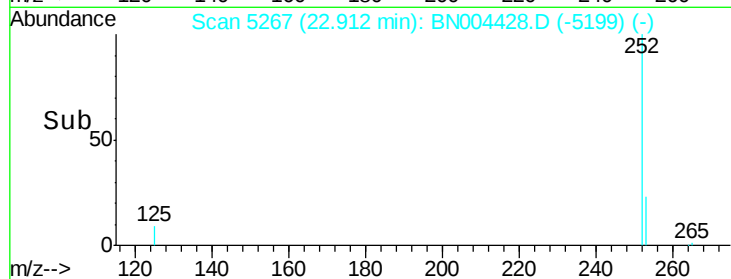
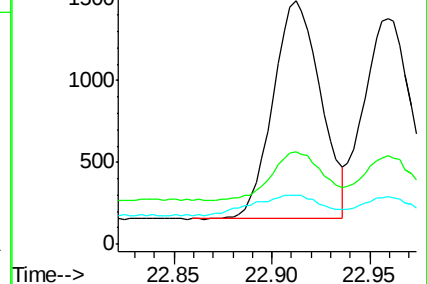
125 20.3 0.0 22.8



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: 0.067 ng/ul

RT: 22.96 min Scan# 5283

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

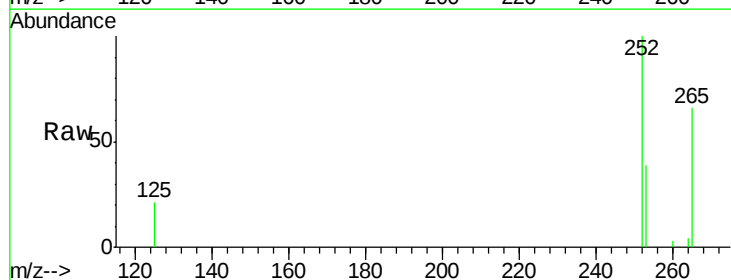
Tgt Ion:252 Resp: 2144

Ion Ratio Lower Upper

252 100

253 39.3 19.5 29.3#

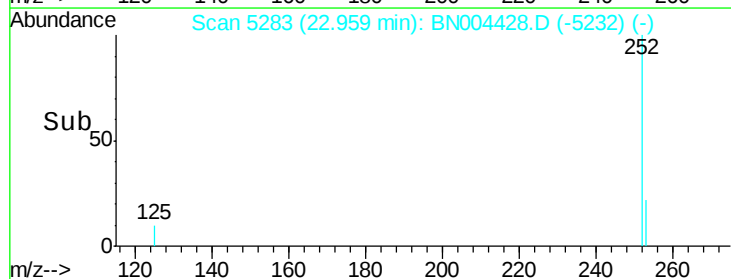
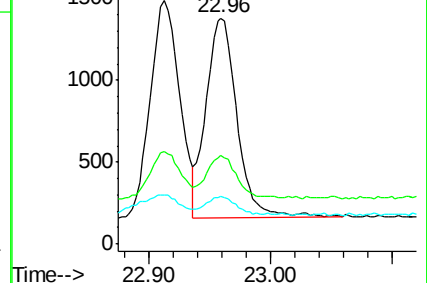
125 21.3 9.1 13.7#

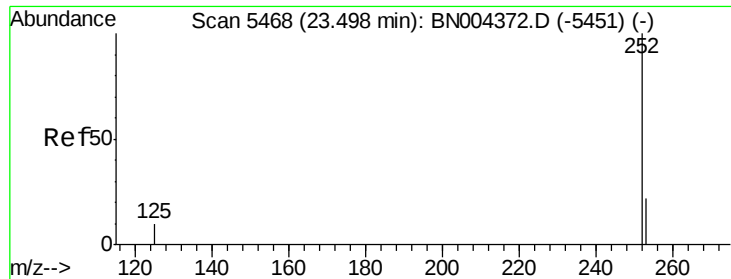


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.066 ng/u1

RT: 23.50 min Scan# 5467

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

Instrument :

BNA_N

ClientSampleId :

MDL-S-03

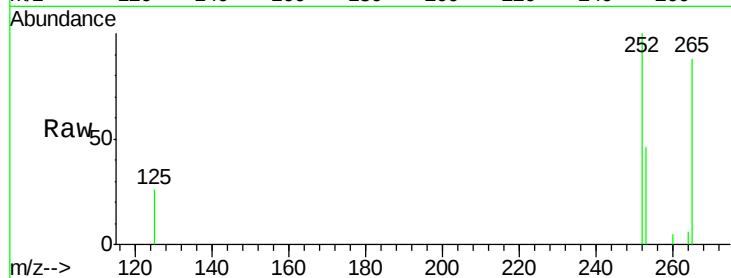
Tgt Ion:252 Resp: 1917

Ion Ratio Lower Upper

252 100

253 46.0 20.4 30.6#

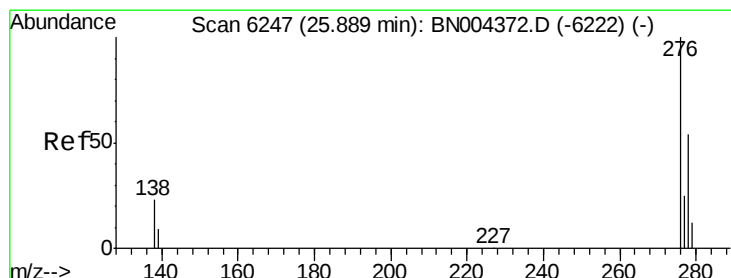
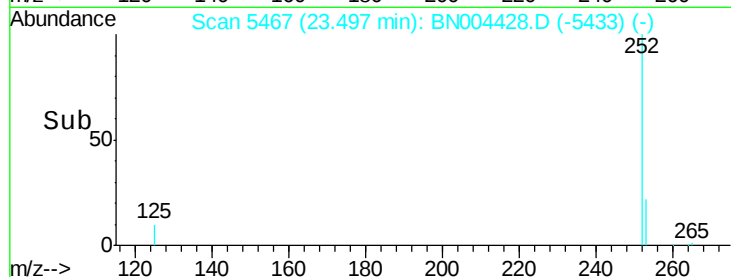
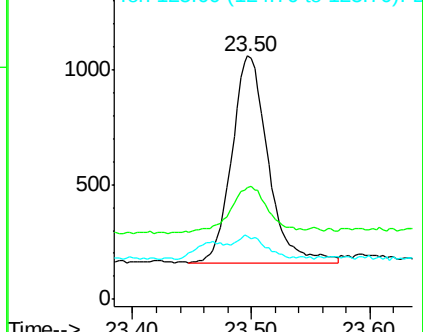
125 26.0 10.6 15.8#



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: 0.068 ng/u1

RT: 25.89 min Scan# 6246

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

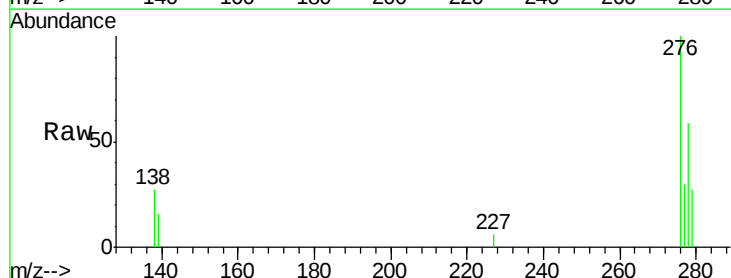
Tgt Ion:276 Resp: 2594

Ion Ratio Lower Upper

276 100

138 0.0 19.1 28.7#

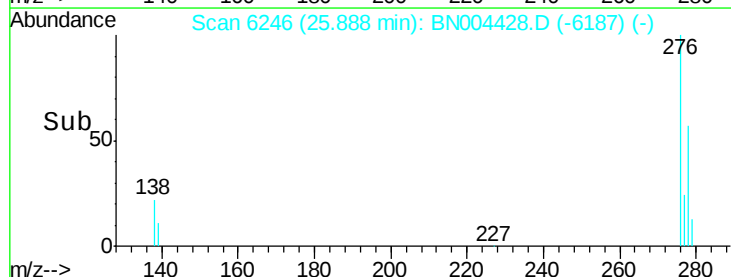
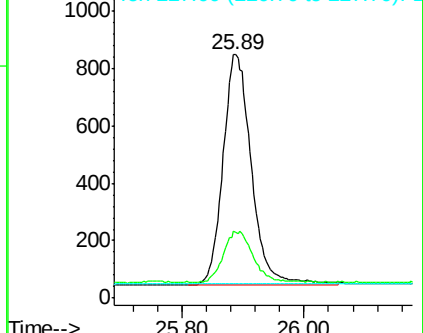
227 0.1 0.2 0.4#

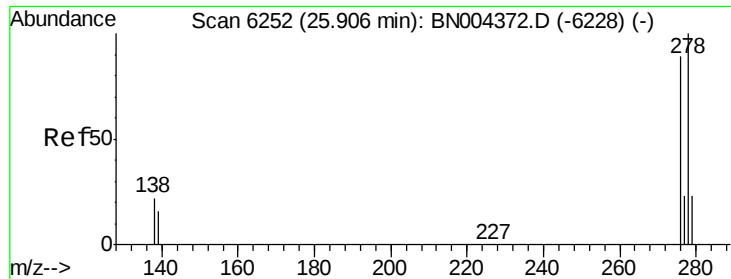


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.067 ng/ul

RT: 25.90 min Scan# 6251

Delta R.T. -0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

Instrument :

BNA_N

ClientSampleId :

MDL-S-03

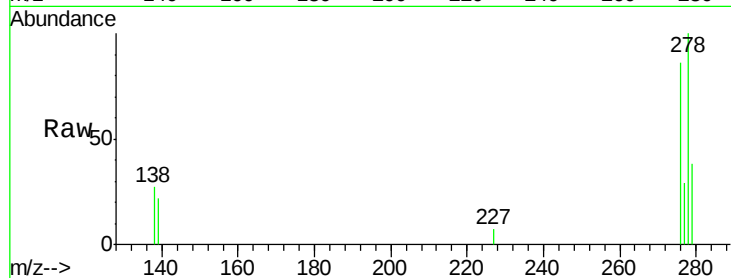
Tgt Ion: 278 Resp: 2074

Ion Ratio Lower Upper

278 100

139 21.6 13.8 20.6#

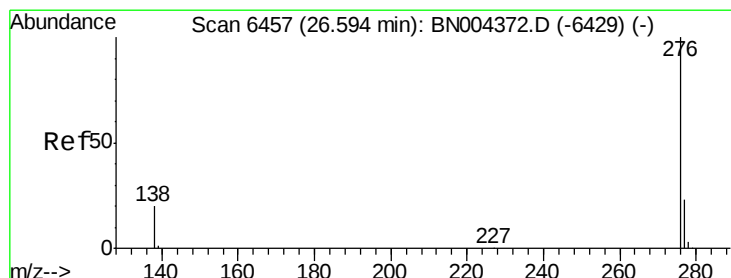
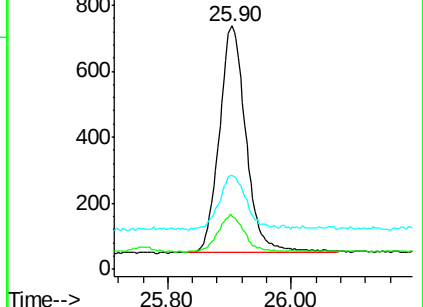
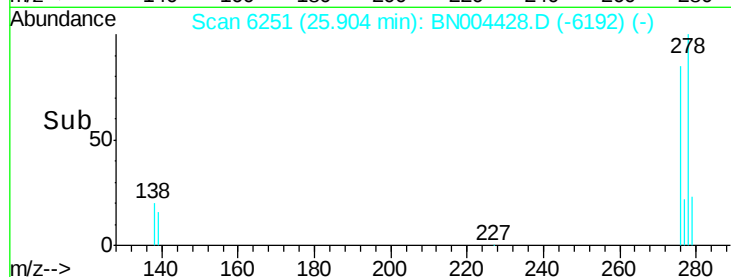
279 38.4 20.4 30.6#



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: 0.071 ng/ul

RT: 26.60 min Scan# 6457

Delta R.T. 0.00 min

Lab File: BN004428.D

Acq: 14 Feb 2019 19:47

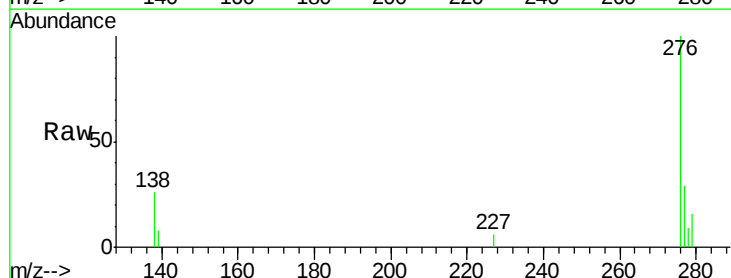
Tgt Ion: 276 Resp: 2438

Ion Ratio Lower Upper

276 100

138 25.9 16.8 25.2#

277 29.2 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

