

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\
 Data File : BN004416.D
 Acq On : 14 Feb 2019 12:43
 Operator : JU/SJ
 Sample : MDL-W-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-W-01

Quant Time: Feb 14 15:00:03 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	1018	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	4108	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2531	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	6950	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	8806	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8982	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	2316	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	7420	0.34	ng/ul	0.00

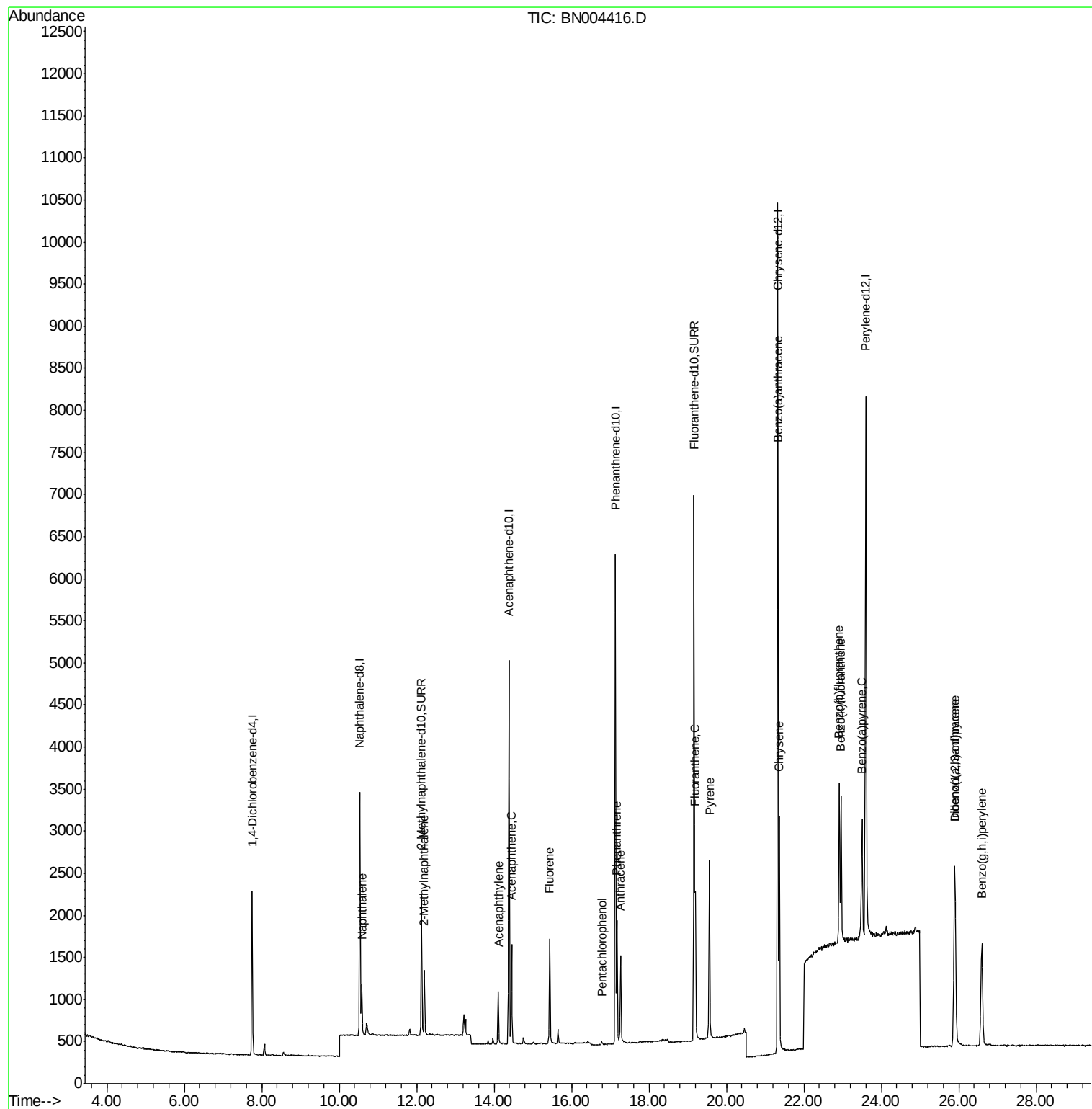
Target Compounds				Ovalue		
3) Naphthalene	10.58	128	797	0.07	ng/ul#	83
5) 2-Methylnaphthalene	12.20	142	579	0.07	ng/ul	99
7) Acenaphthylene	14.11	152	721	0.06	ng/ul#	85
8) Acenaphthene	14.45	153	667	0.07	ng/ul	96
9) Fluorene	15.43	166	816	0.07	ng/ul#	97
11) Pentachlorophenol	16.78	266	37	0.02	ng/ul	94
12) Phenanthrene	17.17	178	1535	0.07	ng/ul#	92
13) Anthracene	17.27	178	1208	0.06	ng/ul#	88
15) Fluoranthene	19.20	202	1894	0.07	ng/ul	95
17) Pyrene	19.56	202	1914	0.07	ng/ul#	90
18) Benzo(a)anthracene	21.31	228	1884	0.07	ng/ul	96
19) Chrysene	21.37	228	2335	0.07	ng/ul	97
21) Benzo(b)fluoranthene	22.92	252	2513	0.07	ng/ul	75
22) Benzo(k)fluoranthene	22.96	252	2321	0.07	ng/ul#	74
23) Benzo(a)pyrene	23.50	252	2079	0.06	ng/ul#	66
24) Indeno(1,2,3-cd)pyrene	25.89	276	2870	0.07	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.90	278	2292	0.07	ng/ul#	81
26) Benzo(g,h,i)perylene	26.60	276	2674	0.07	ng/ul	91

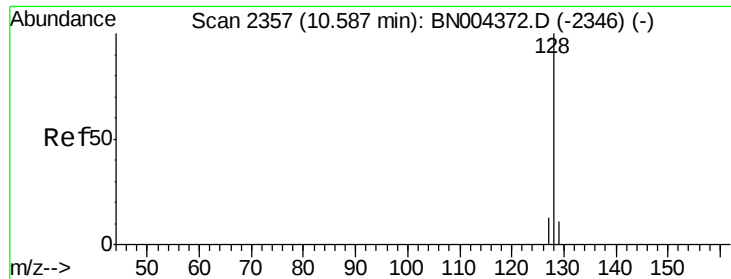
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

Instrument :

BNA_N

ClientSampleId :

MDL-W-01

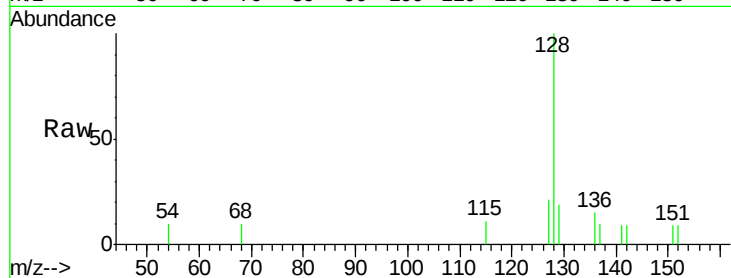
Tot Ion:128 Resp: 797

Ion Ratio Lower Upper

128 100

129 18.8 9.8 14.6#

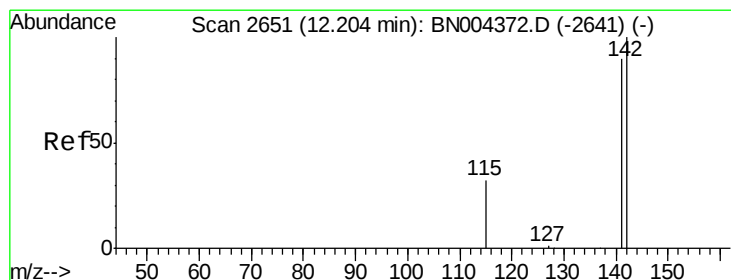
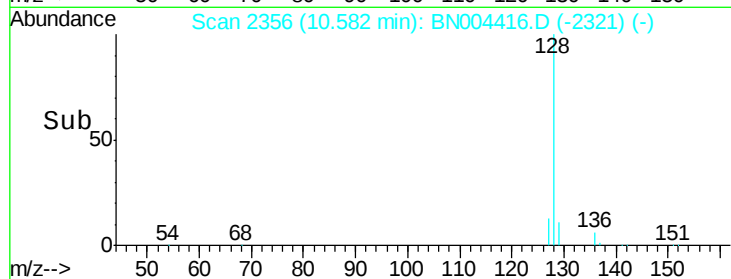
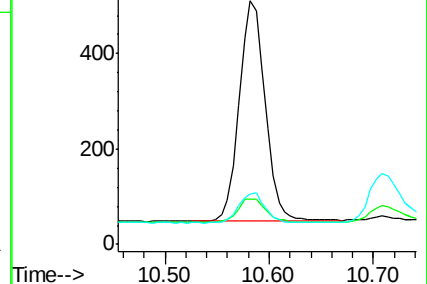
127 20.9 11.4 17.0#



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: 0.07 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004416.D

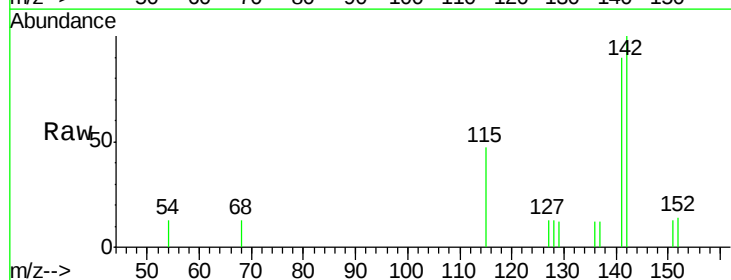
Acq: 14 Feb 2019 12:43

Tgt Ion:142 Resp: 579

Ion Ratio Lower Upper

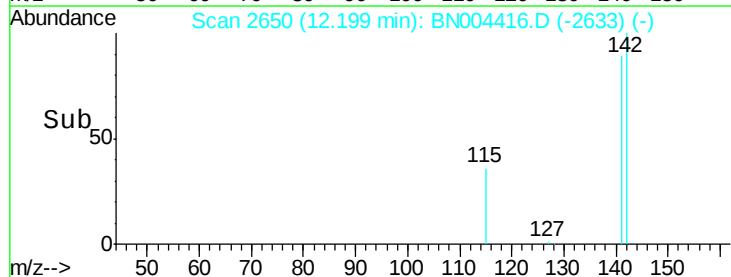
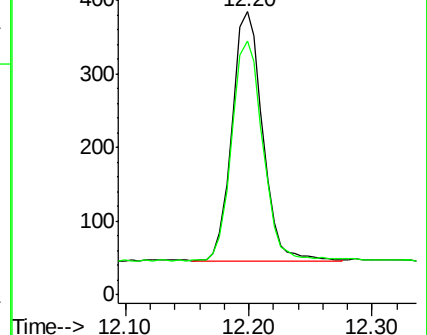
142 100

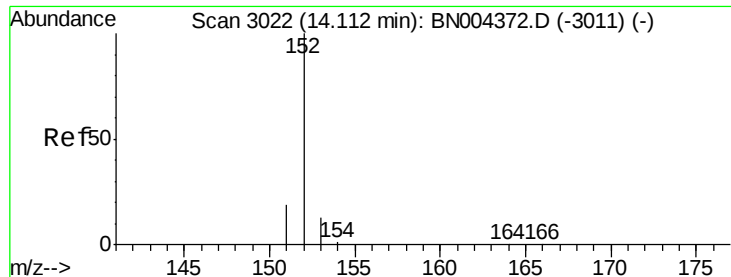
141 90.7 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

Instrument :

BNA_N

ClientSampleId :

MDL-W-01

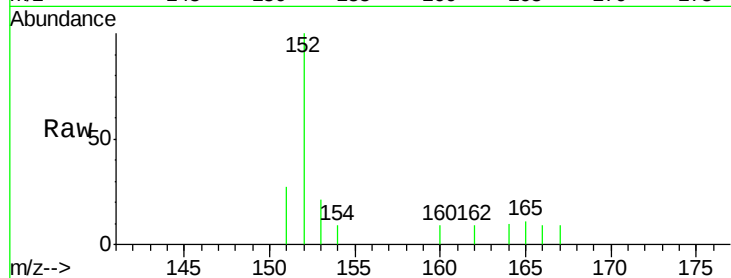
Tot Ion:152 Resp: 721

Ion Ratio Lower Upper

152 100

151 27.1 16.6 24.8#

153 21.2 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

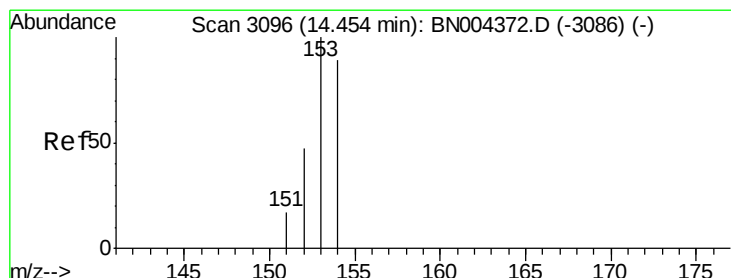
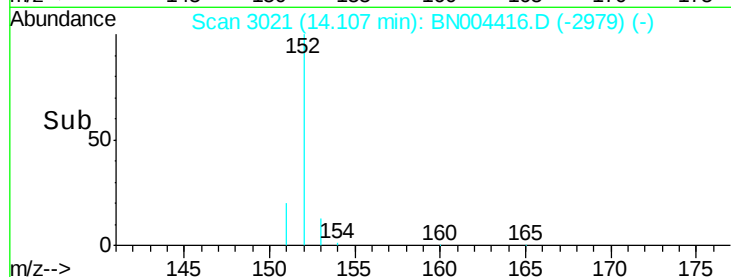
400

200

0

Time-->

14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.45 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

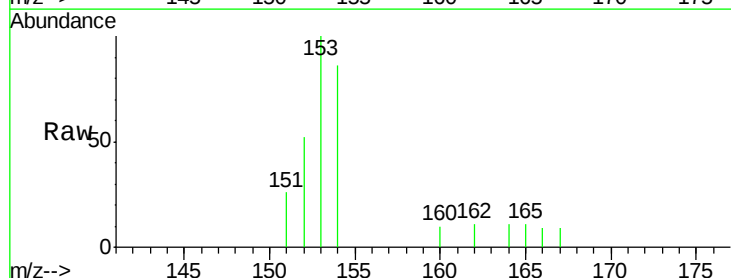
Tgt Ion:153 Resp: 667

Ion Ratio Lower Upper

153 100

152 52.1 38.4 57.6

154 86.1 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

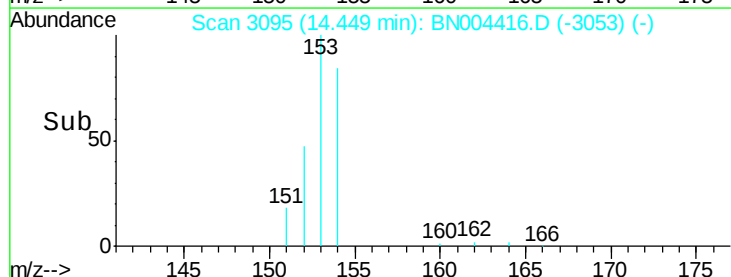
400

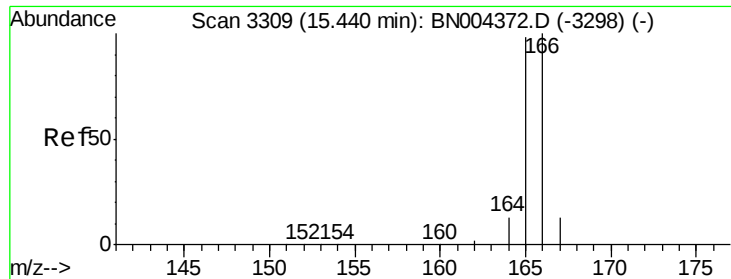
200

0

Time-->

14.40 14.50





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.43 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

Instrument :

BNA_N

ClientSampleId :

MDL-W-01

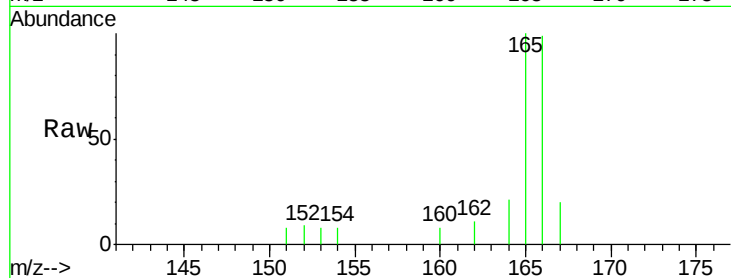
Tot Ion:166 Resp: 816

Ion Ratio Lower Upper

166 100

165 100.5 78.9 118.3

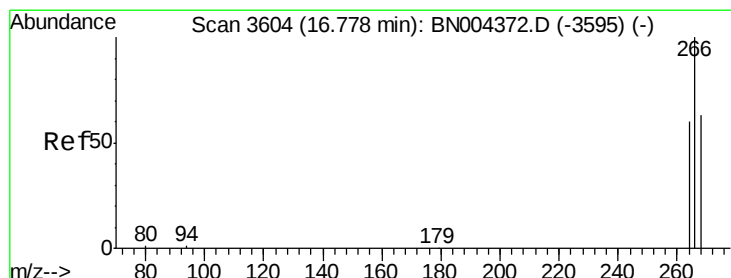
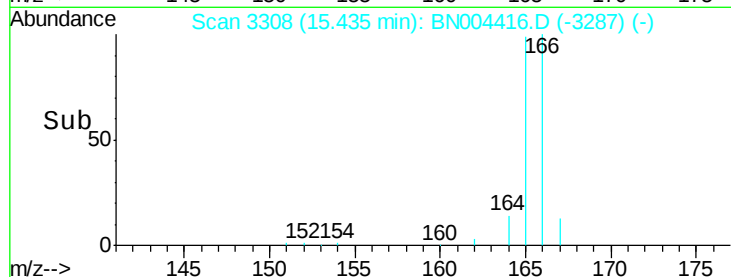
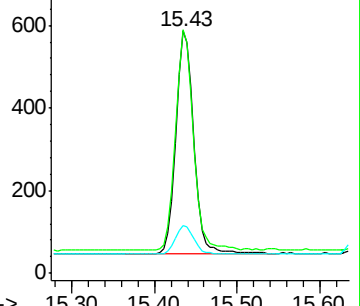
167 19.8 11.6 17.4#



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: 0.02 ng/ul

RT: 16.78 min Scan# 3604

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

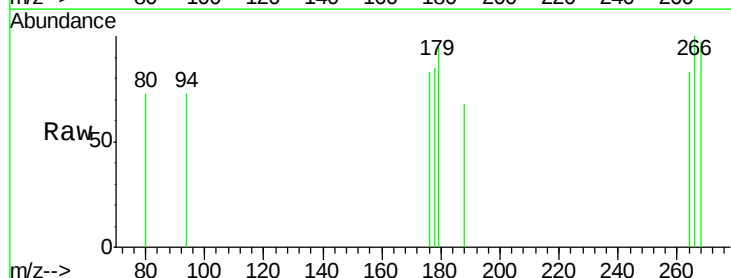
Tgt Ion:266 Resp: 37

Ion Ratio Lower Upper

266 100

264 59.5 52.3 78.5

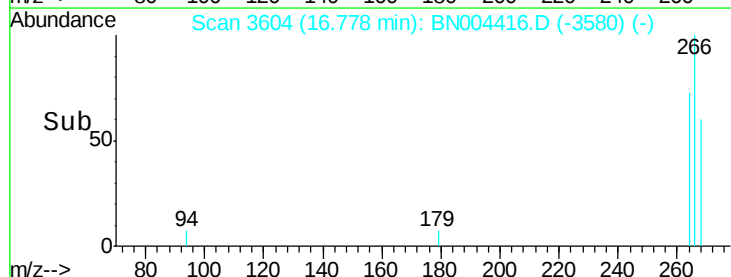
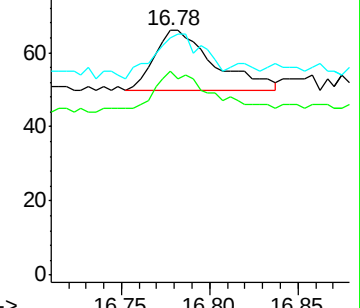
268 64.9 49.0 73.6

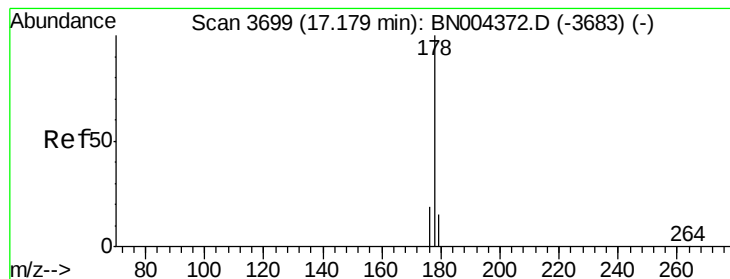


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

Instrument :

BNA_N

ClientSampleId :

MDL-W-01

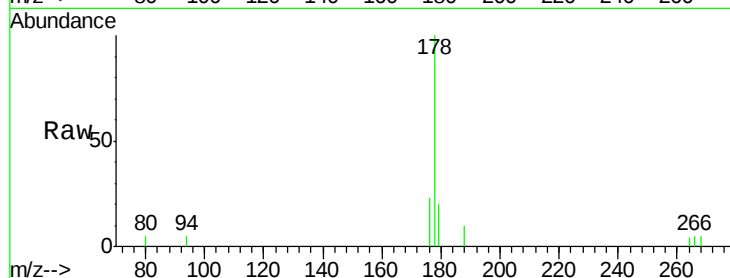
Tot Ion:178 Resp: 1535

Ion Ratio Lower Upper

178 100

179 19.6 12.6 19.0#

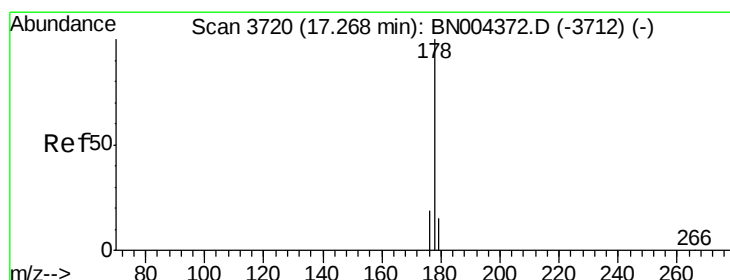
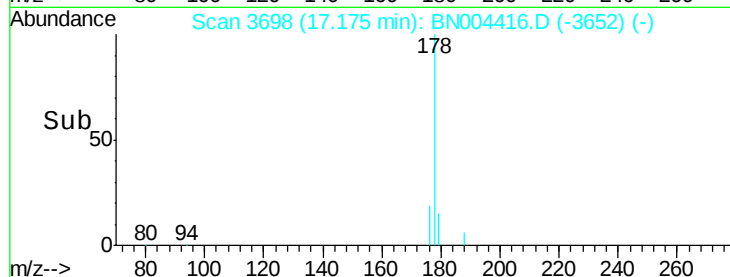
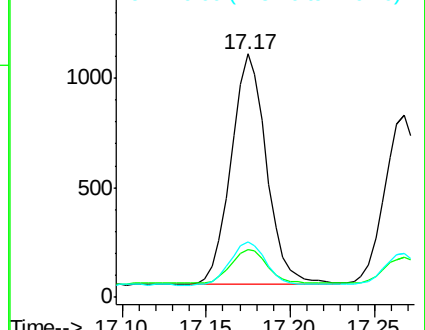
176 22.7 15.8 23.6



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: 0.06 ng/ul

RT: 17.27 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

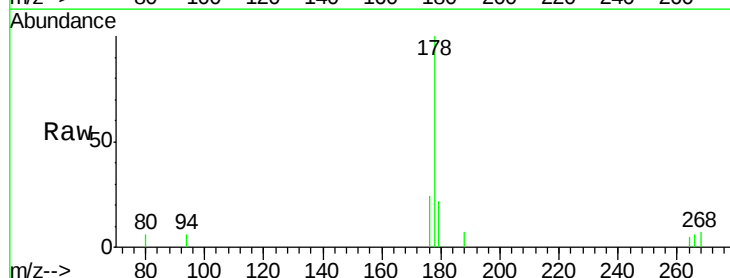
Tgt Ion:178 Resp: 1208

Ion Ratio Lower Upper

178 100

179 21.7 13.0 19.4#

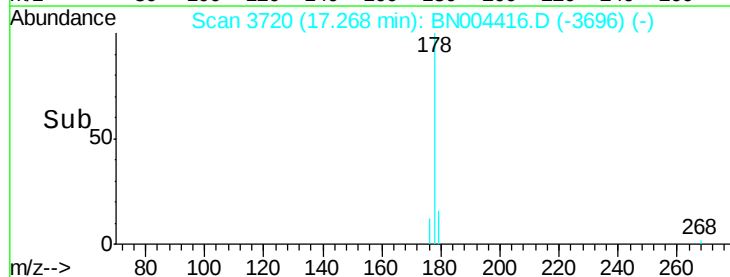
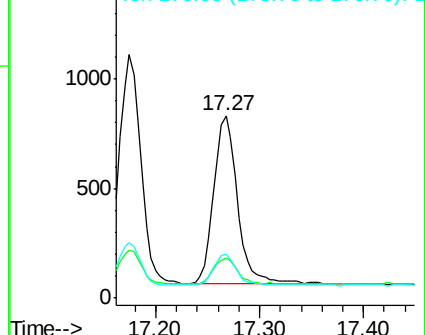
176 24.1 15.5 23.3#

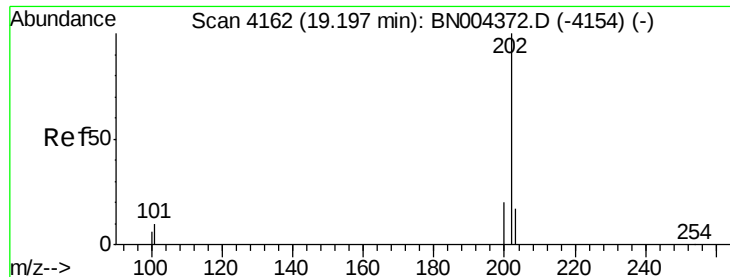


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.20 min Scan# 4162

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

Instrument :

BNA_N

ClientSampleId :

MDL-W-01

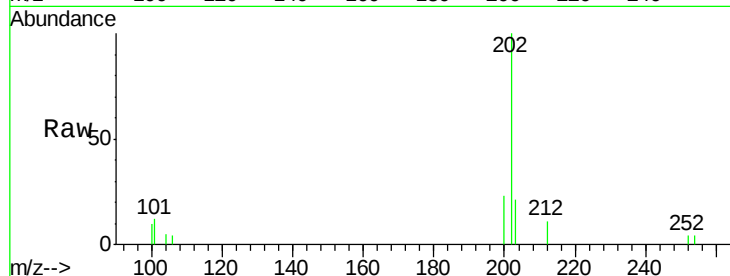
Tot Ion:202 Resp: 1894

Ion Ratio Lower Upper

202 100

101 11.9 0.0 30.4

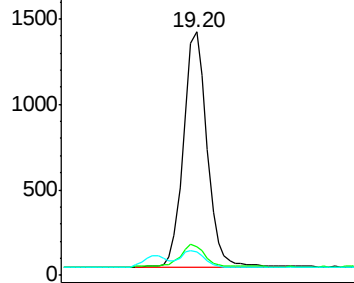
100 9.7 0.0 27.6



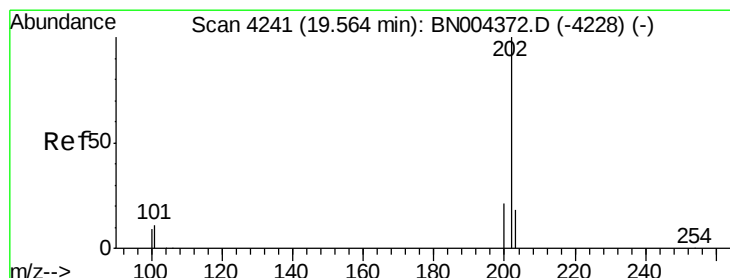
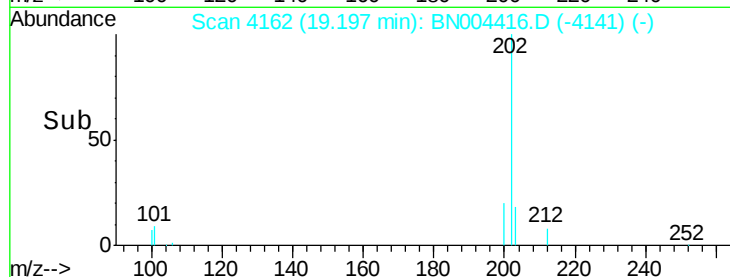
Abundance Ion 202.00 (201.70 to 202.70): E

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: 0.07 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

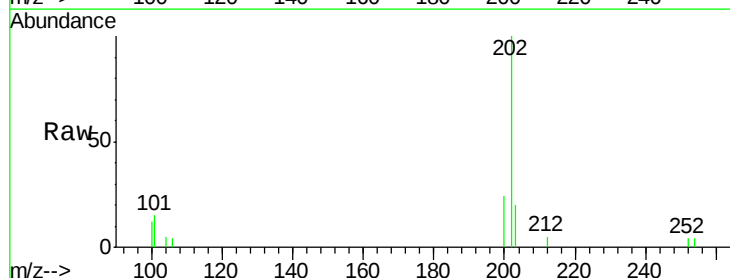
Tgt Ion:202 Resp: 1914

Ion Ratio Lower Upper

202 100

101 15.1 9.0 13.6#

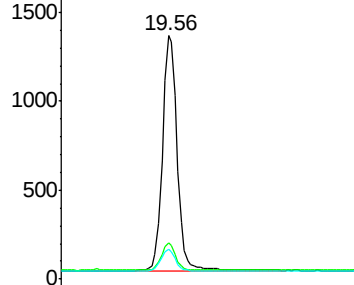
100 12.5 7.4 11.0#



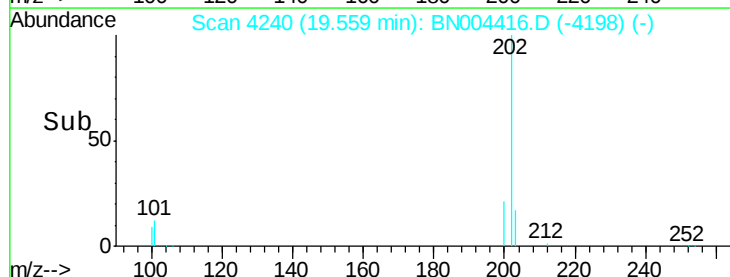
Abundance Ion 202.00 (201.70 to 202.70): E

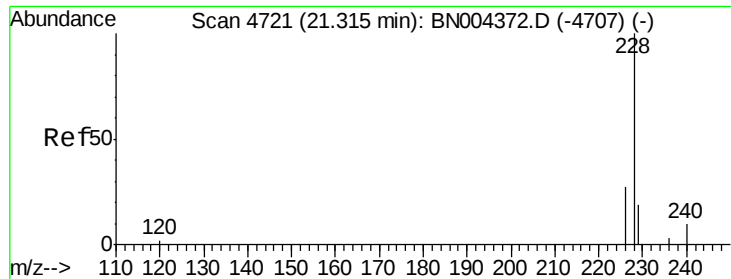
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.50 19.60 19.70





#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.31 min Scan# 4720

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

Instrument :

BNA_N

ClientSampleId :

MDL-W-01

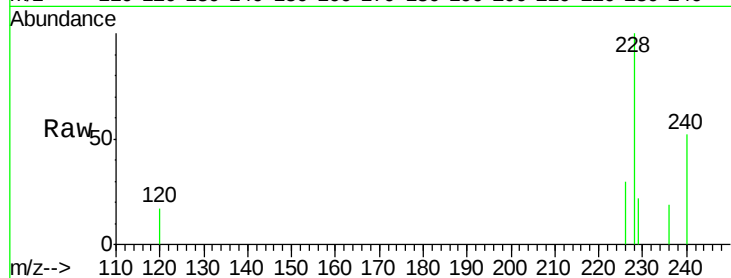
Tot Ion:228 Resp: 1884

Ion Ratio Lower Upper

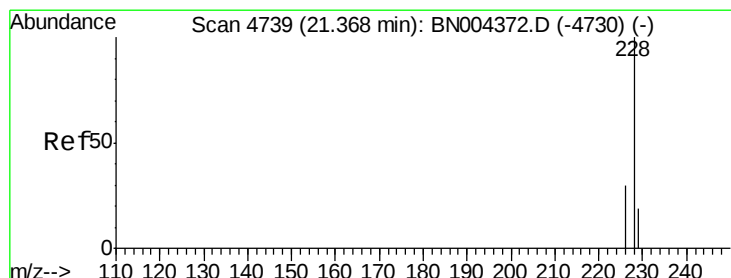
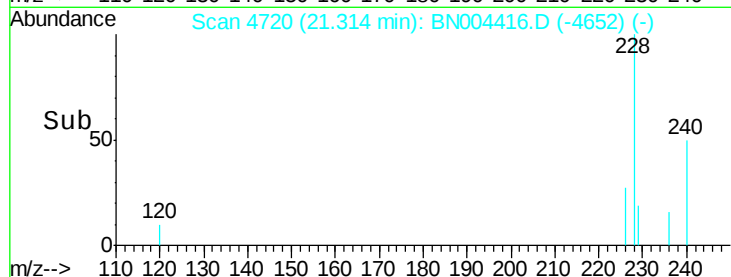
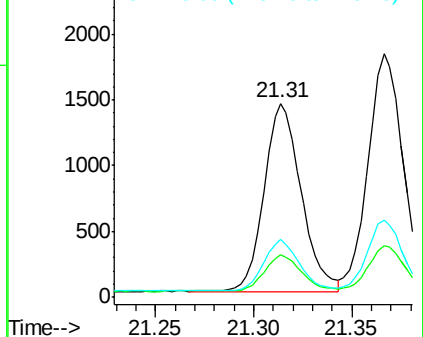
228 100

229 22.0 15.7 23.5

226 29.7 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: 0.07 ng/ul

RT: 21.37 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

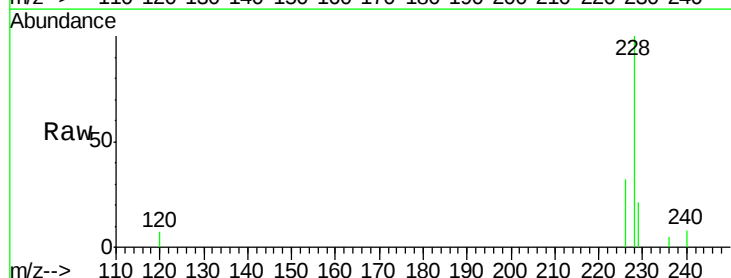
Tgt Ion:228 Resp: 2335

Ion Ratio Lower Upper

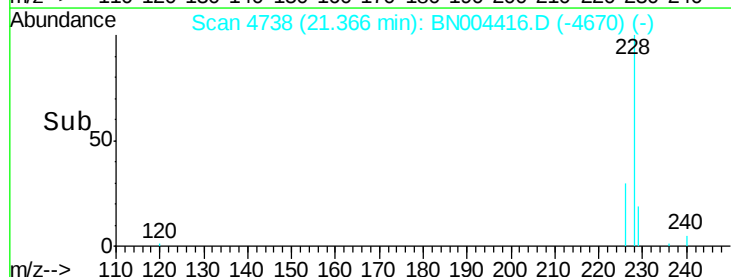
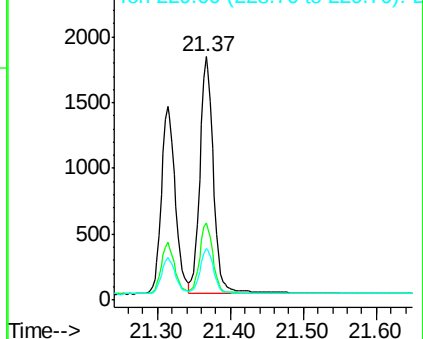
228 100

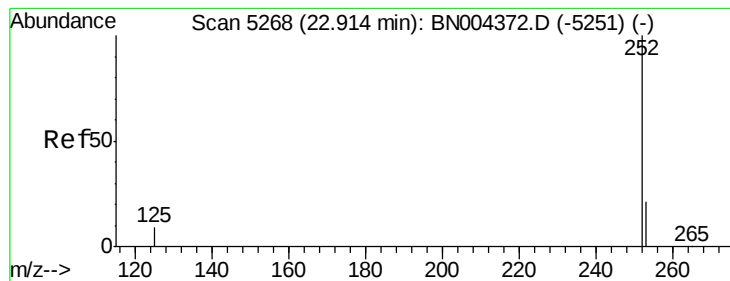
226 31.6 23.8 35.8

229 21.2 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: 0.07 ng/ul

RT: 22.92 min Scan# 5268

Delta R.T. 0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

Instrument :

BNA_N

ClientSampleId :

MDL-W-01

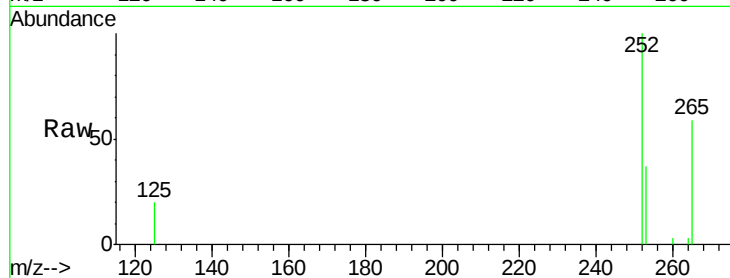
Tot Ion:252 Resp: 2513

Ion Ratio Lower Upper

252 100

253 37.3 0.0 48.0

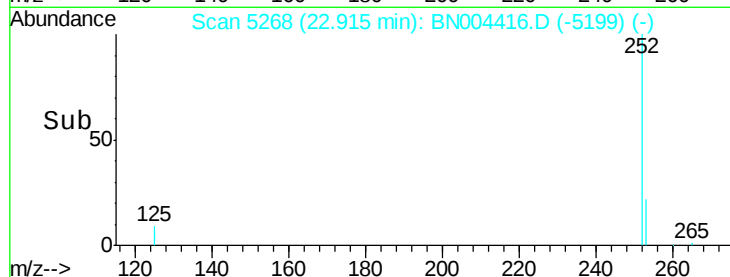
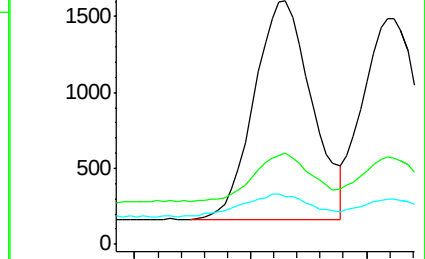
125 19.6 0.0 22.8



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: 0.07 ng/ul

RT: 22.96 min Scan# 5283

Delta R.T. -0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

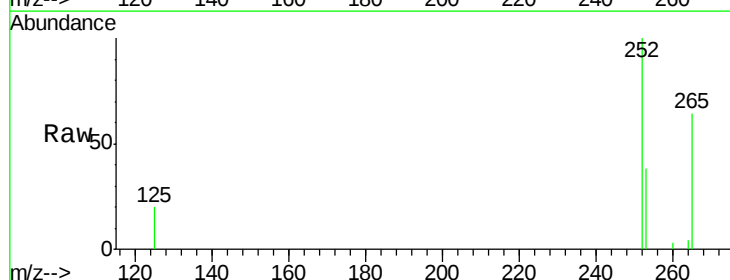
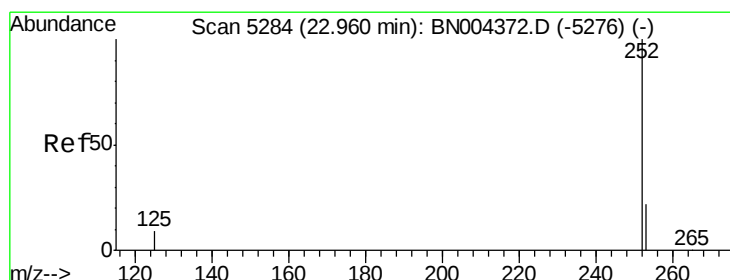
Tgt Ion:252 Resp: 2321

Ion Ratio Lower Upper

252 100

253 38.4 19.5 29.3#

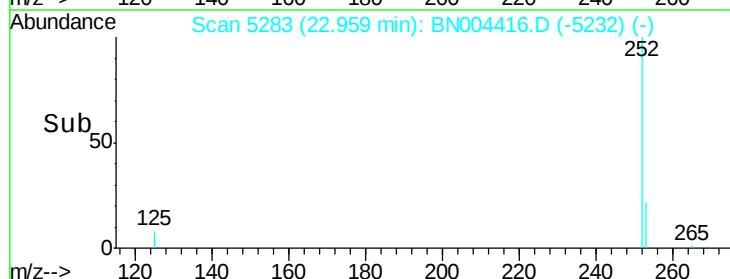
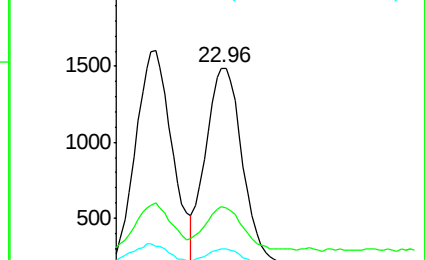
125 19.9 9.1 13.7#

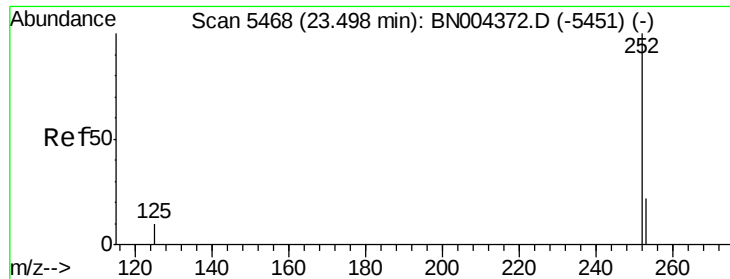


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.50 min Scan# 5468

Delta R.T. 0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

Instrument :

BNA_N

ClientSampleId :

MDL-W-01

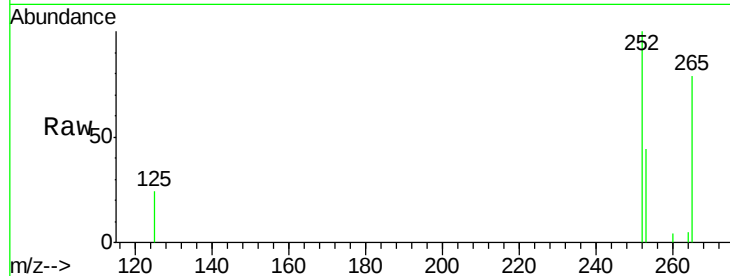
Tot Ion:252 Resp: 2079

Ion Ratio Lower Upper

252 100

253 44.1 20.4 30.6#

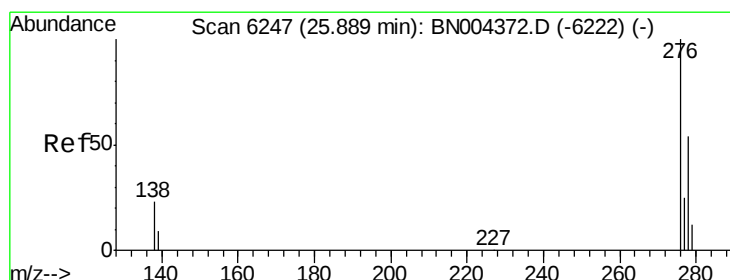
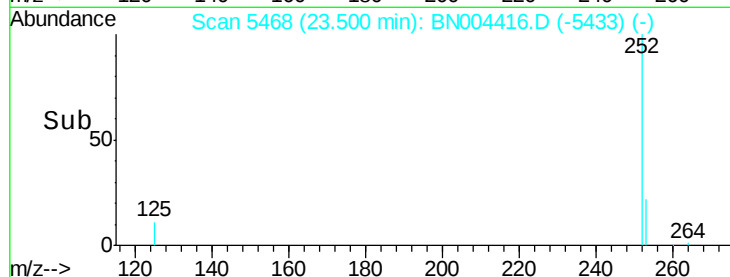
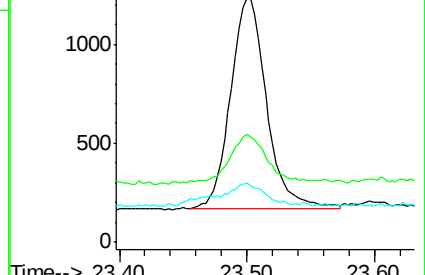
125 24.5 10.6 15.8#



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: 0.07 ng/ul

RT: 25.89 min Scan# 6247

Delta R.T. 0.00 min

Lab File: BN004416.D

Acq: 14 Feb 2019 12:43

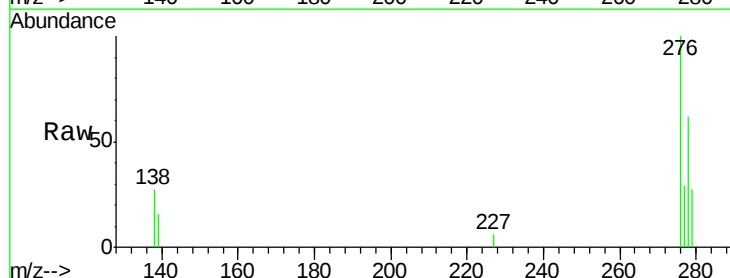
Tgt Ion:276 Resp: 2870

Ion Ratio Lower Upper

276 100

138 23.1 19.1 28.7

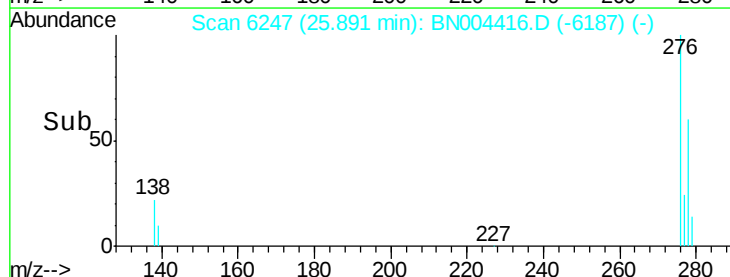
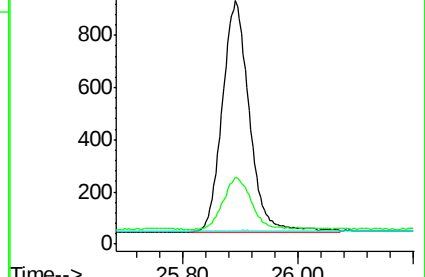
227 0.4 0.2 0.4#

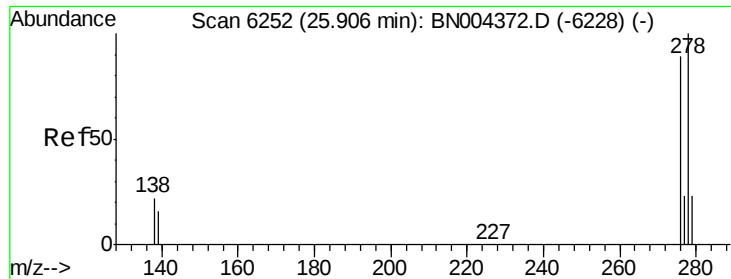


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

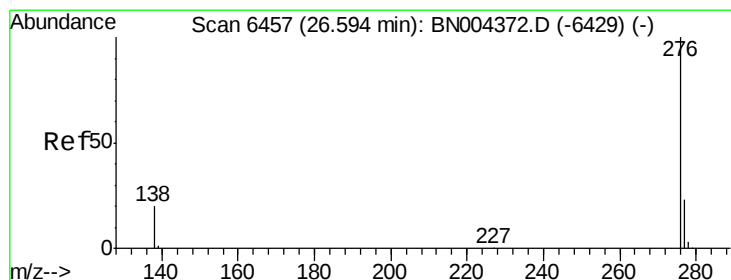
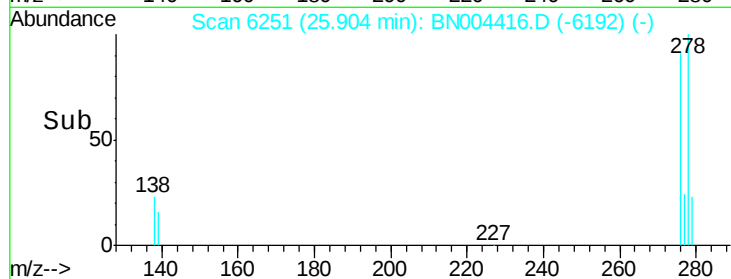
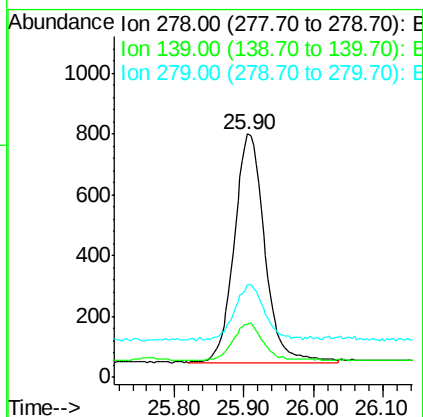
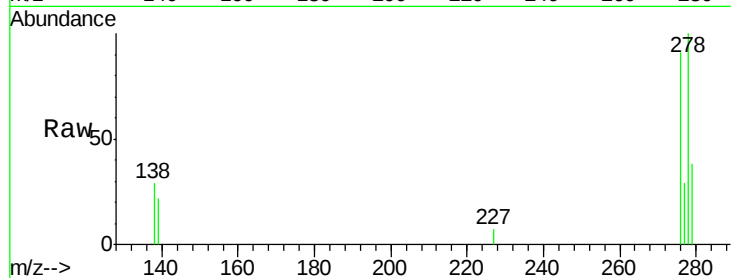




#25
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 25.90 min Scan# 6251
Delta R.T. -0.00 min
Lab File: BN004416.D
Acq: 14 Feb 2019 12:43

Instrument :
BNA_N
ClientSampled :
MDL-W-01

Tot Ion:278 Resp: 2292
Ion Ratio Lower Upper
278 100
139 21.8 13.8 20.6#
279 38.1 20.4 30.6#



#26
Benzo(g,h,i)perylene
Concen: 0.07 ng/ul
RT: 26.60 min Scan# 6457
Delta R.T. 0.00 min
Lab File: BN004416.D
Acq: 14 Feb 2019 12:43

Tgt Ion:276 Resp: 2674
Ion Ratio Lower Upper
276 100
138 24.8 16.8 25.2
277 28.9 19.4 29.0

