

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN030518\
 Data File : BN000250.D
 Acq On : 05 Mar 2018 18:01
 Operator : JU/SJ
 Sample : MDL-SIM-S-05
 Misc : 0.07 PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SIM-S-05

Quant Time: Mar 06 04:38:30 2018
 Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN030218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 04:37:49 2018
 Response via : Initial Calibration

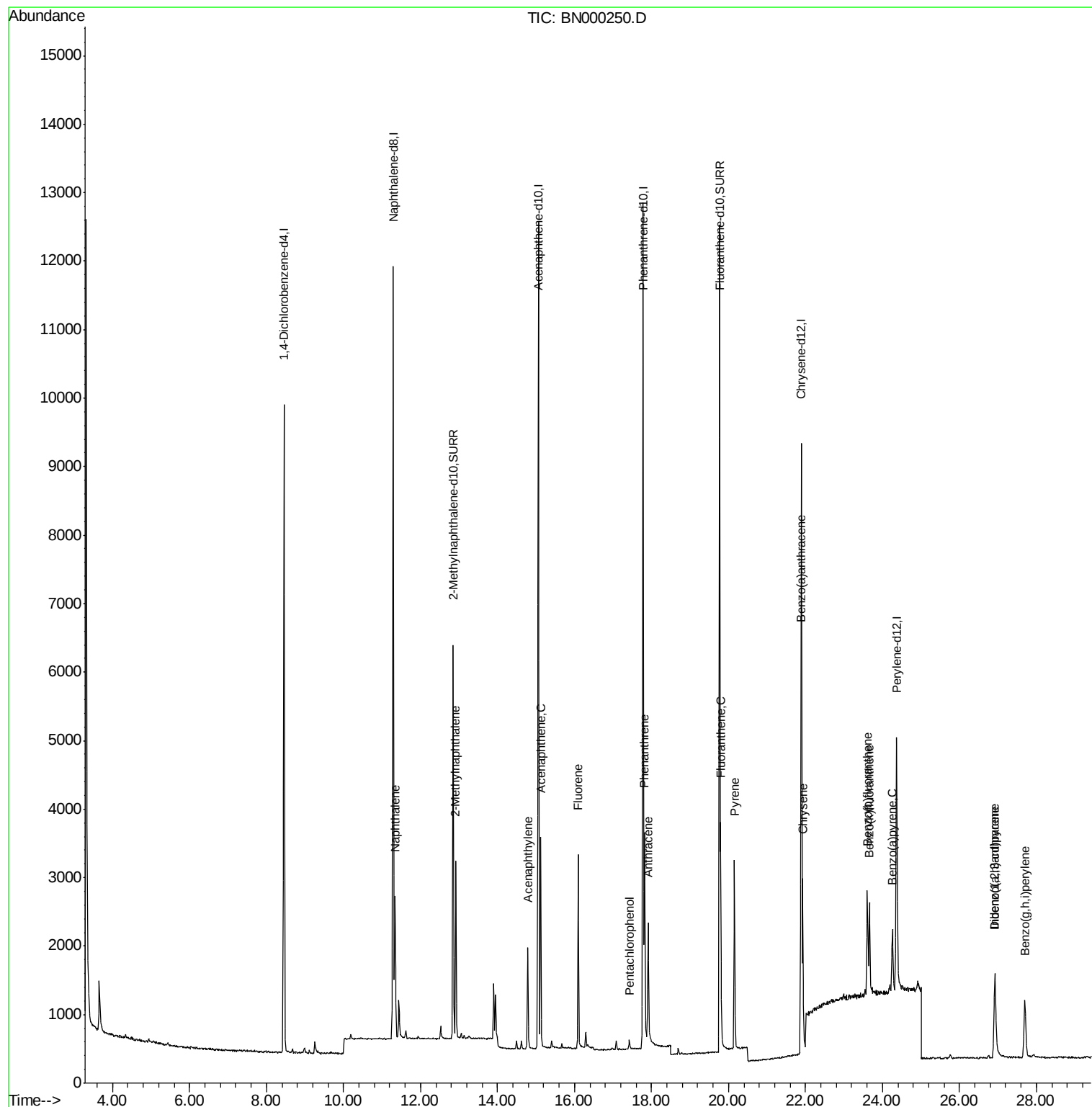
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	4825	0.40	ng/ul	0.00
2) Naphthalene-d8	11.29	136	15458	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	6459	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.78	188	13962	0.40	ng/ul	0.00
16) Chrysene-d12	21.89	240	7390	0.40	ng/ul	0.00
20) Perylene-d12	24.36	264	5963	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.84	152	7547	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.77	212	11804	0.36	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	11.34	128	2893	0.058	ng/ul#	91
5) 2-Methylnaphthalene	12.92	142	1791	0.057	ng/ul	99
7) Acenaphthylene	14.79	152	1767	0.055	ng/ul	97
8) Acenaphthene	15.12	153	1760	0.057	ng/ul#	95
9) Fluorene	16.10	166	1796	0.053	ng/ul	92
11) Pentachlorophenol	17.42	266	104	0.037	ng/ul	89
12) Phenanthrene	17.82	178	3160	0.055	ng/ul#	89
13) Anthracene	17.91	178	2143	0.051	ng/ul#	93
15) Fluoranthene	19.80	202	3022	0.055	ng/ul	62
17) Pyrene	20.15	202	2854	0.066	ng/ul#	55
18) Benzo(a)anthracene	21.87	228	1682	0.058	ng/ul#	84
19) Chrysene	21.93	228	2569	0.065	ng/ul	96
21) Benzo(b)fluoranthene	23.61	252	2086	0.058	ng/ul#	78
22) Benzo(k)fluoranthene	23.66	252	1825	0.054	ng/ul#	70
23) Benzo(a)pyrene	24.26	252	1537	0.055	ng/ul#	69
24) Indeno(1,2,3-cd)pyrene	26.92	276	1699	0.054	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.93	278	1189	0.052	ng/ul#	60
26) Benzo(g,h,i)perylene	27.70	276	1765	0.057	ng/ul#	74

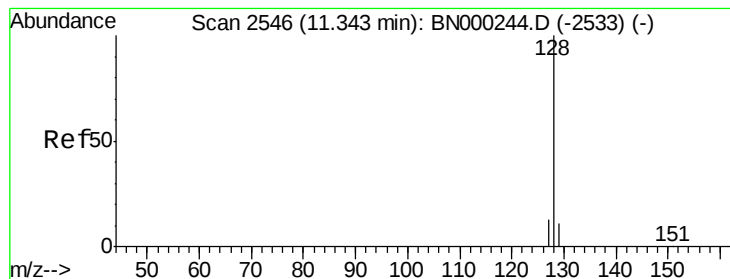
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.058 ng/ul

RT: 11.34 min Scan# 2545

Delta R.T. -0.01 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-05

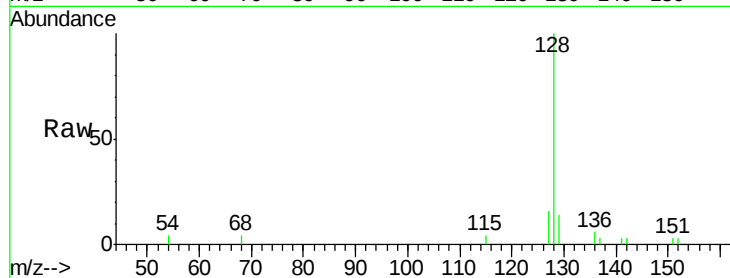
Tgt Ion:128 Resp: 2893

Ion Ratio Lower Upper

128 100

129 14.2 11.3 16.9

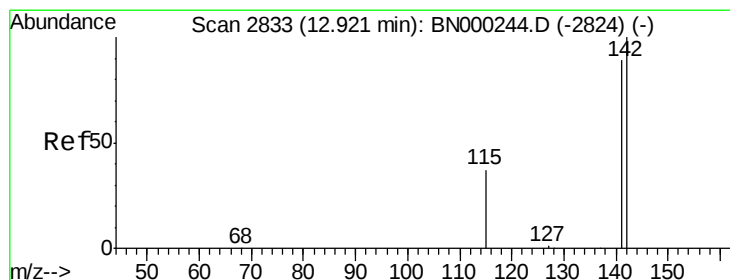
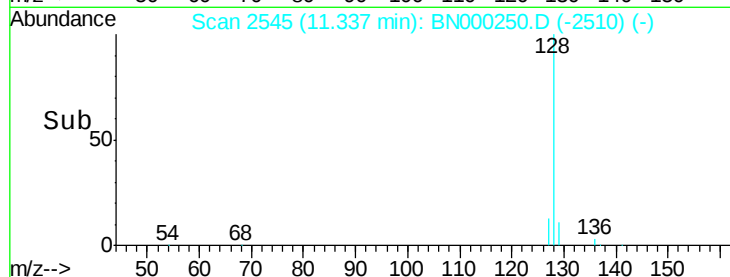
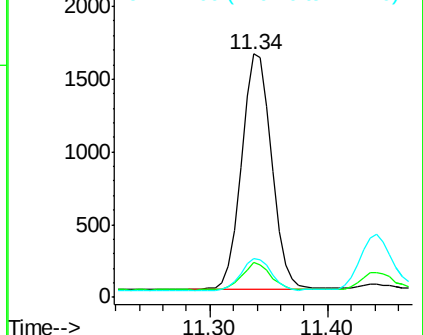
127 15.9 4.0 6.0#



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: 0.057 ng/ul

RT: 12.92 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BN000250.D

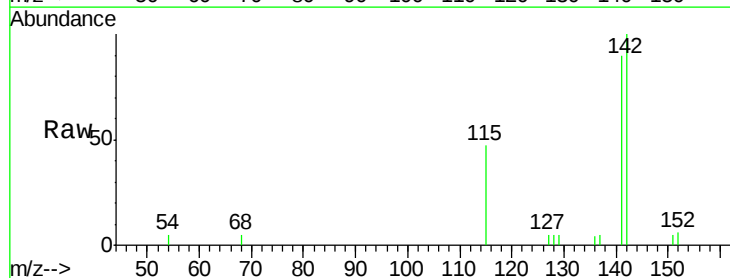
Acq: 05 Mar 2018 18:01

Tgt Ion:142 Resp: 1791

Ion Ratio Lower Upper

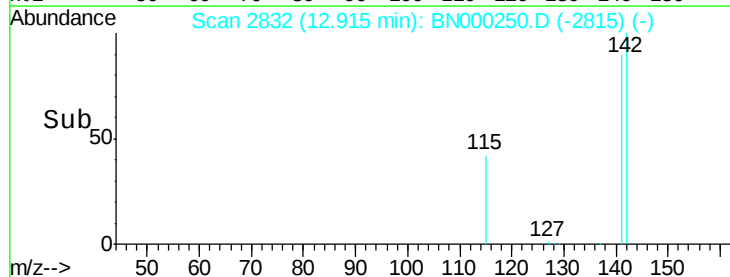
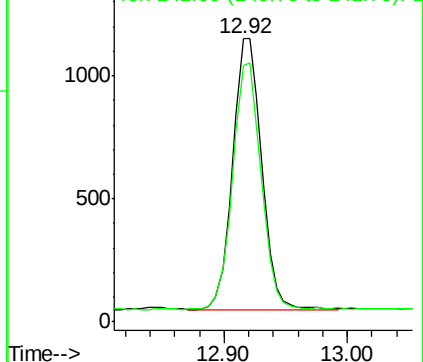
142 100

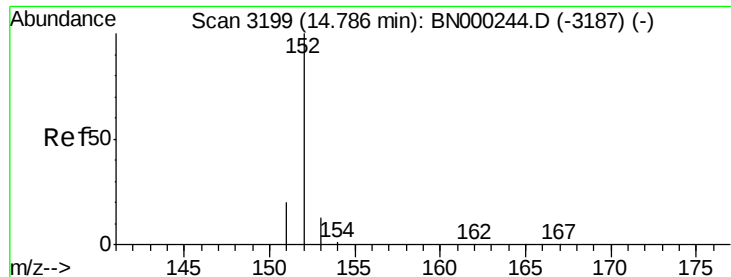
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.055 ng/ul

RT: 14.79 min Scan# 3199

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-05

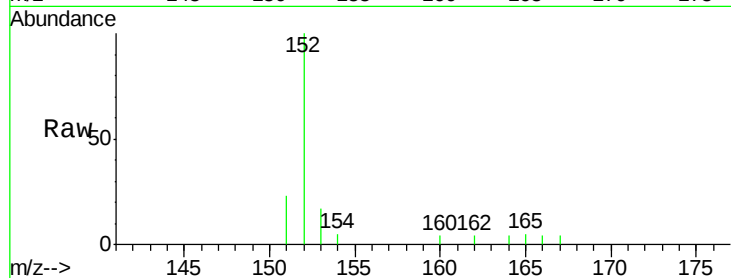
Tgt Ion:152 Resp: 1767

Ion Ratio Lower Upper

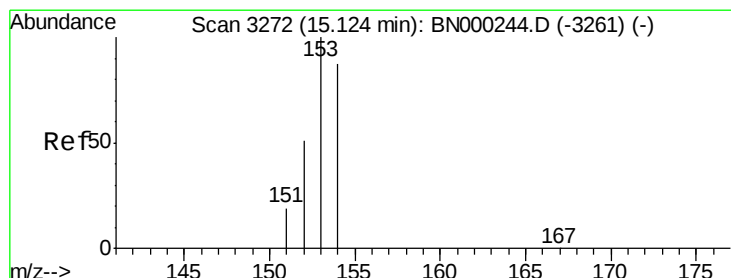
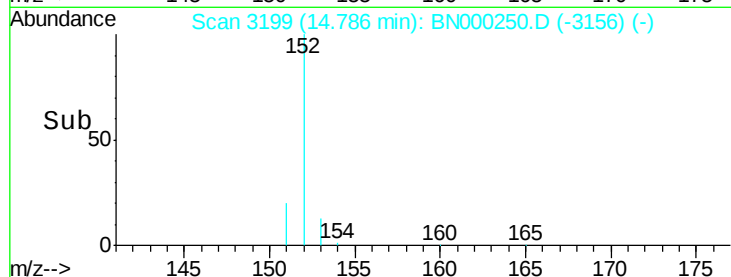
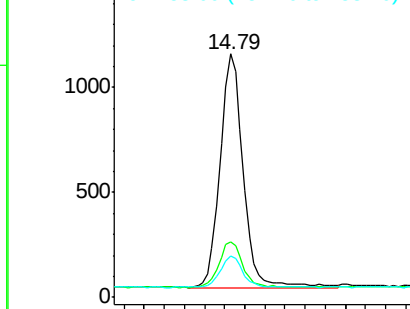
152 100

151 22.9 17.1 25.7

153 16.8 12.8 19.2



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: 0.057 ng/ul

RT: 15.12 min Scan# 3272

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

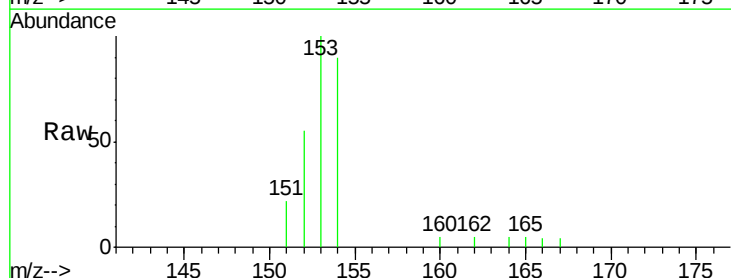
Tgt Ion:153 Resp: 1760

Ion Ratio Lower Upper

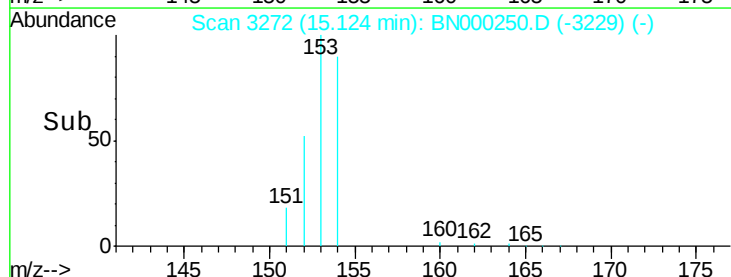
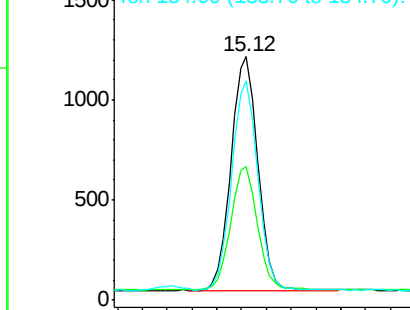
153 100

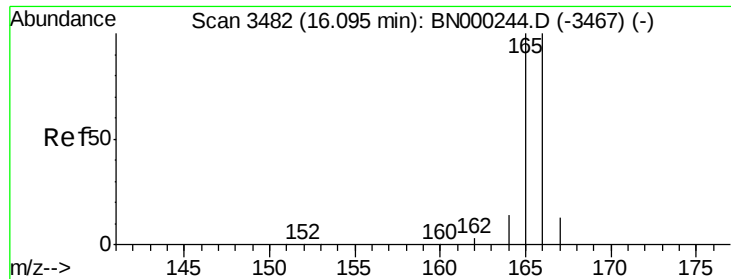
152 54.9 36.0 54.0#

154 90.3 72.0 108.0



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: 0.053 ng/ul

RT: 16.10 min Scan# 3482

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-05

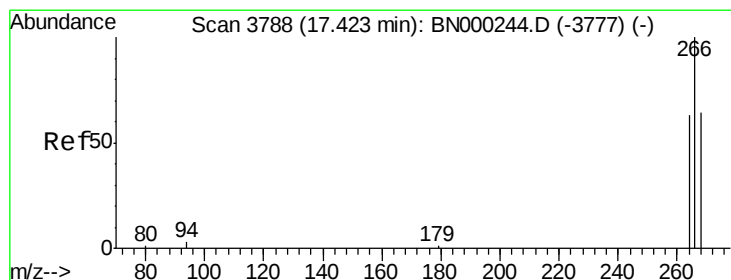
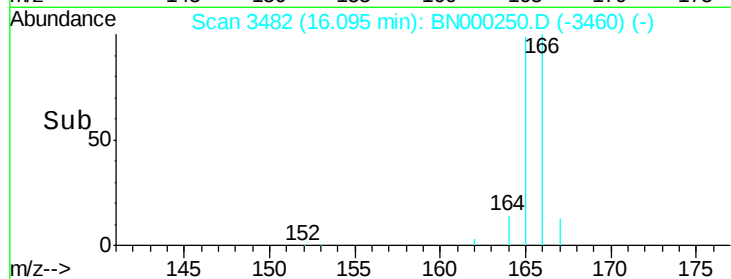
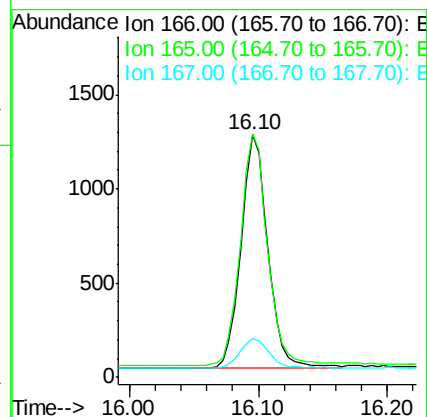
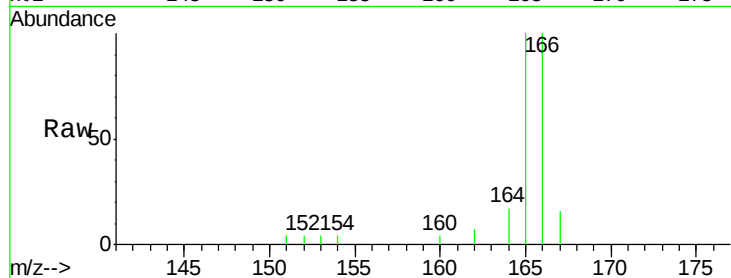
Tgt Ion:166 Resp: 1796

Ion Ratio Lower Upper

166 100

165 100.2 73.4 110.2

167 16.0 14.6 22.0



#11

Pentachlorophenol

Concen: 0.037 ng/ul

RT: 17.42 min Scan# 3788

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

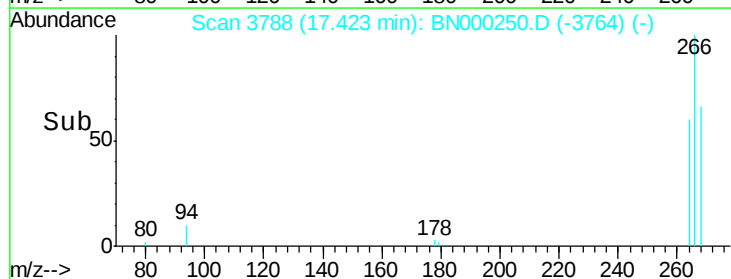
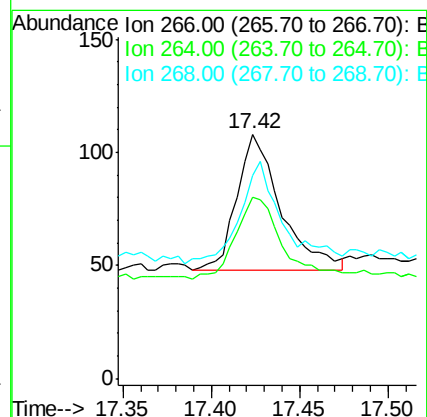
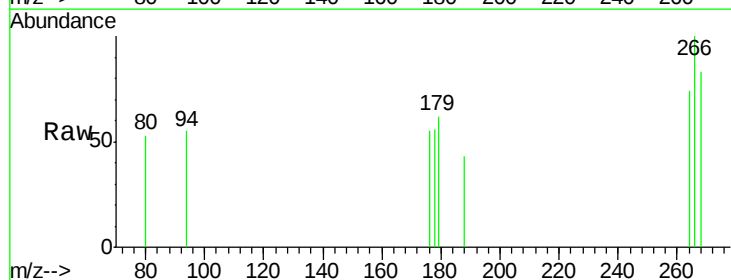
Tgt Ion:266 Resp: 104

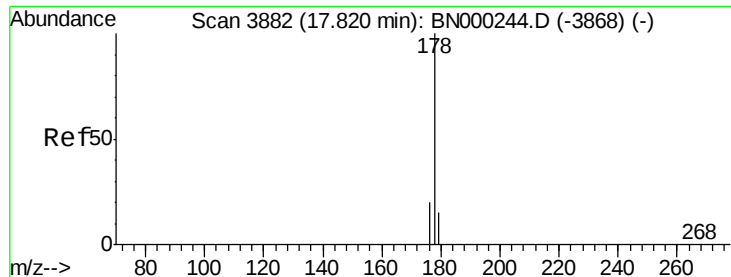
Ion Ratio Lower Upper

266 100

264 67.3 47.9 71.9

268 72.1 49.8 74.8





#12

Phenanthrene

Concen: 0.055 ng/ul

RT: 17.82 min Scan# 3882

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-05

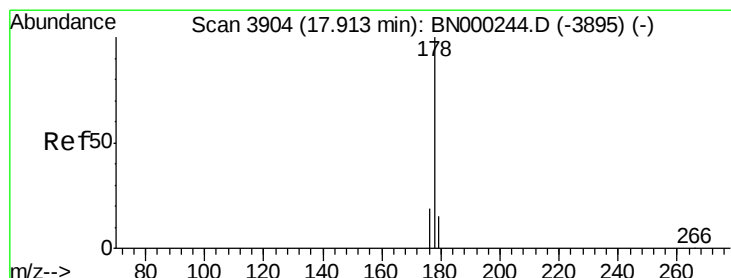
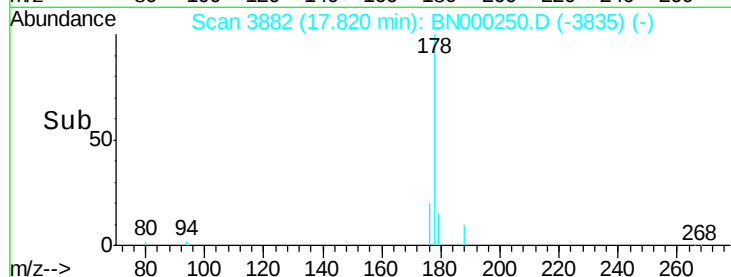
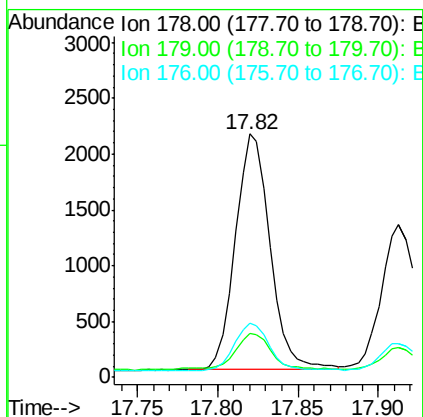
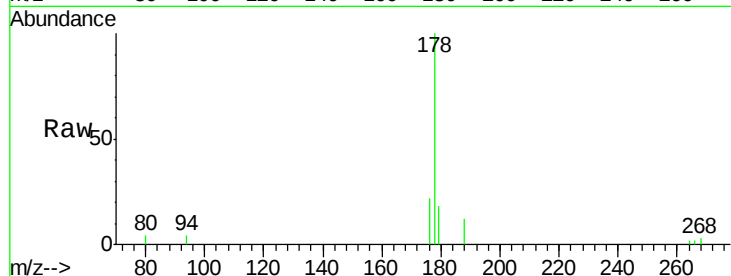
Tgt Ion:178 Resp: 3160

Ion Ratio Lower Upper

178 100

179 18.0 18.4 27.6#

176 22.1 13.6 20.4#



#13

Anthracene

Concen: 0.051 ng/ul

RT: 17.91 min Scan# 3904

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

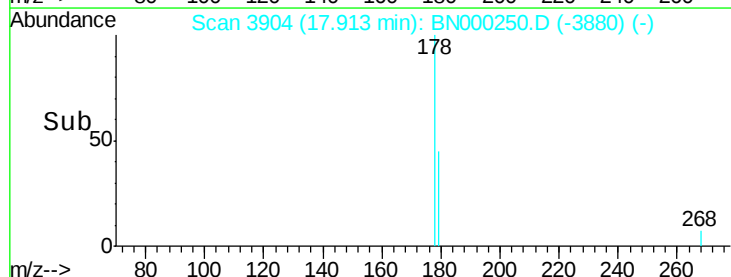
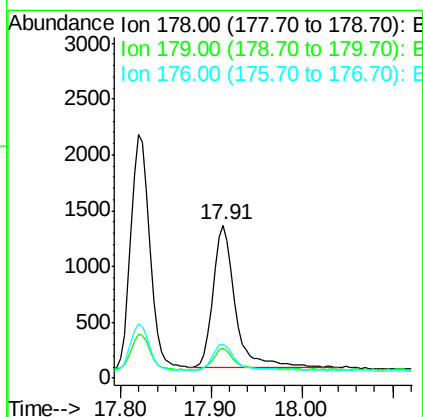
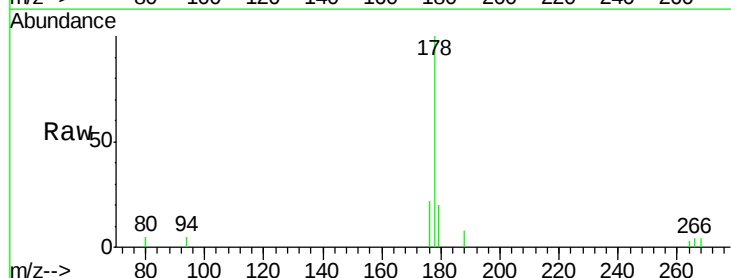
Tgt Ion:178 Resp: 2143

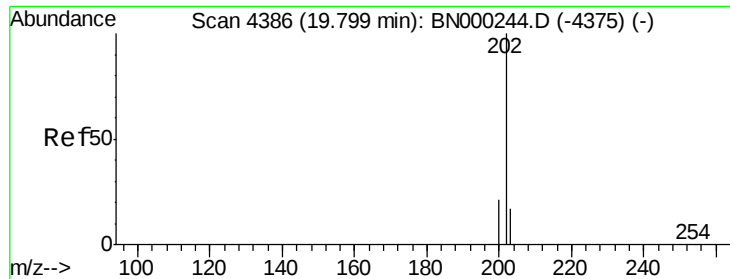
Ion Ratio Lower Upper

178 100

179 19.9 18.1 27.1

176 22.2 14.7 22.1#





#15

Fluoranthene

Concen: 0.055 ng/ul

RT: 19.80 min Scan# 4385

Delta R.T. -0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-05

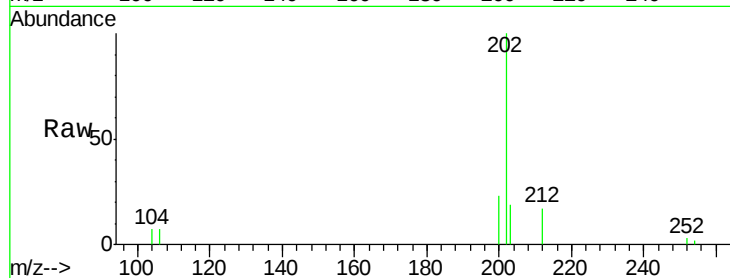
Tgt Ion:202 Resp: 3022

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.3

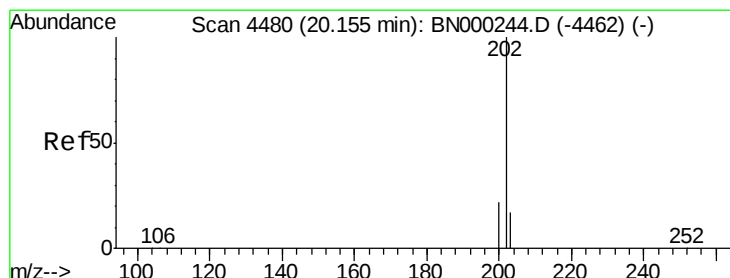
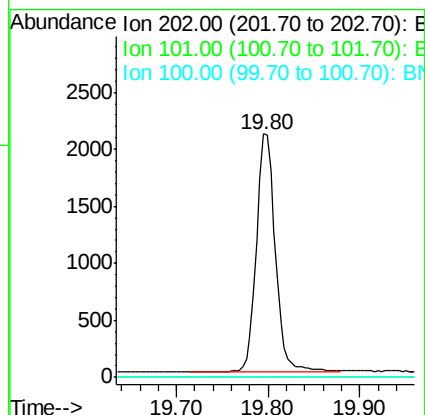
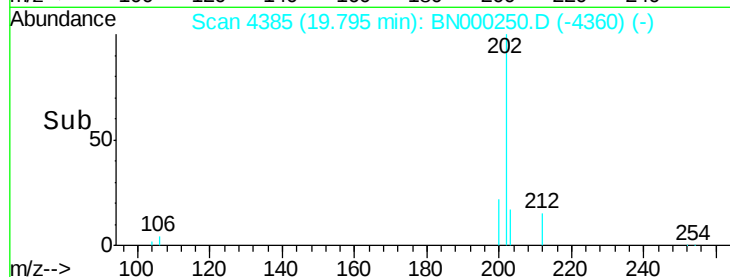
100 0.0 0.0 39.5



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: 0.066 ng/ul

RT: 20.15 min Scan# 4480

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

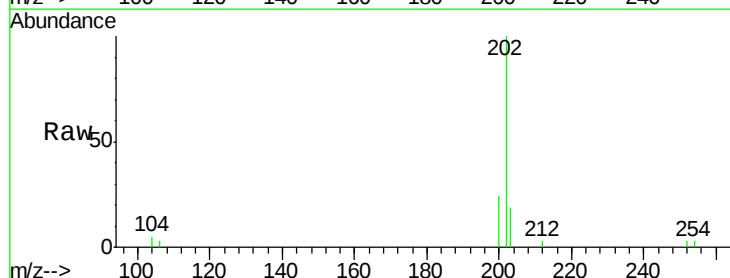
Tgt Ion:202 Resp: 2854

Ion Ratio Lower Upper

202 100

101 0.0 18.2 27.4#

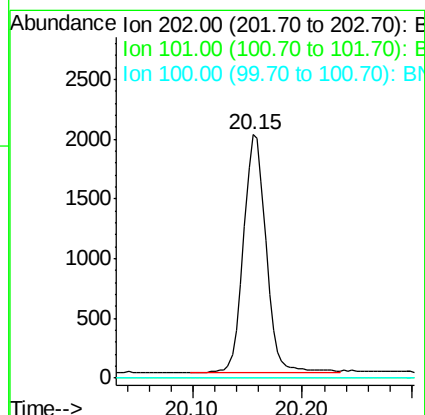
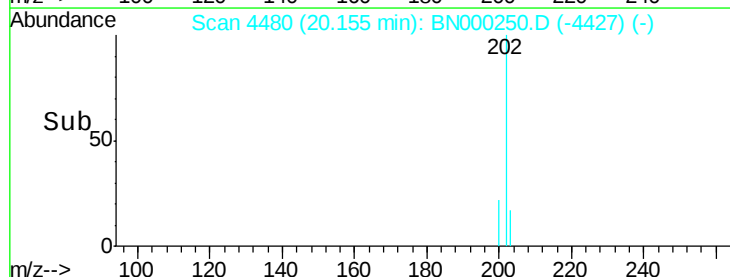
100 0.0 15.6 23.4#

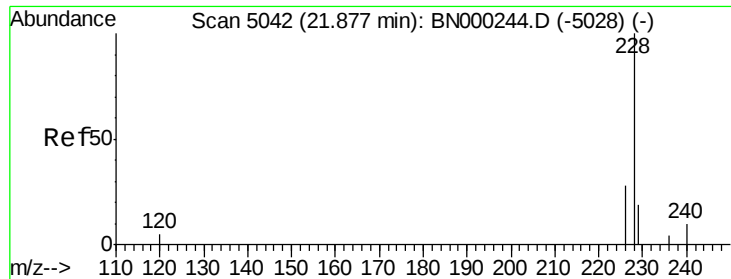


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.058 ng/ul

RT: 21.87 min Scan# 5041

Delta R.T. -0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-05

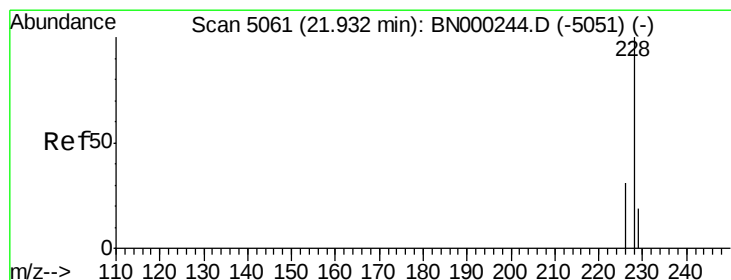
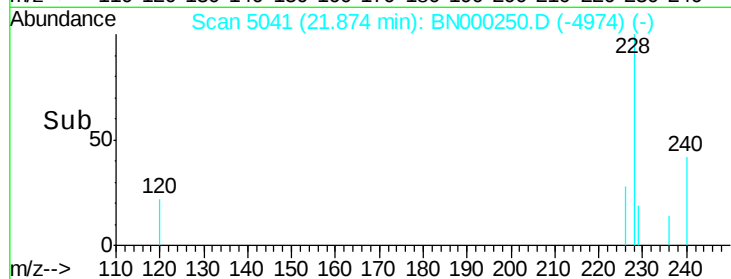
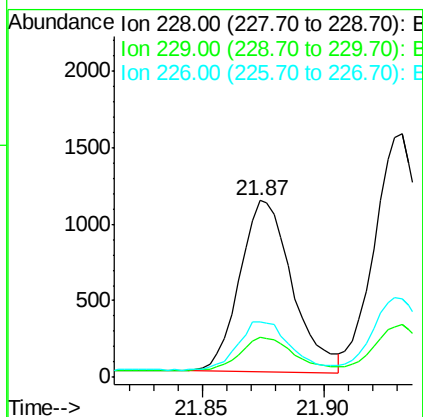
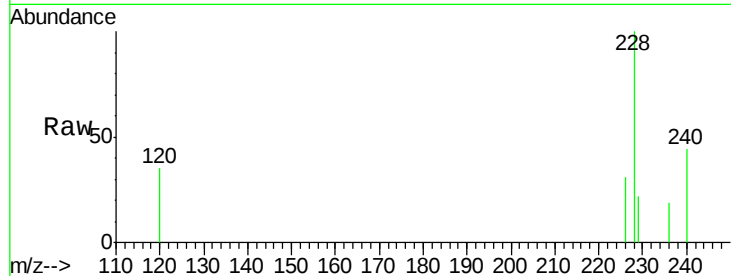
Tgt Ion:228 Resp: 1682

Ion Ratio Lower Upper

228 100

229 22.3 22.8 34.2#

226 31.2 17.0 25.6#



#19

Chrysene

Concen: 0.065 ng/ul

RT: 21.93 min Scan# 5061

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

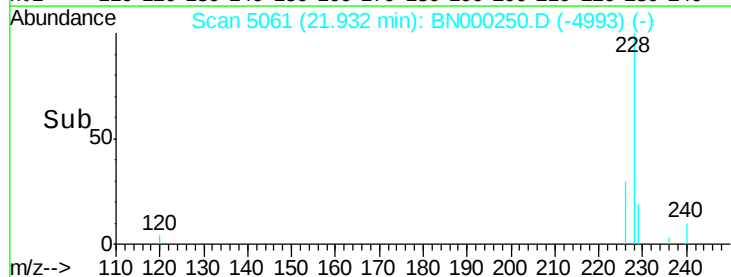
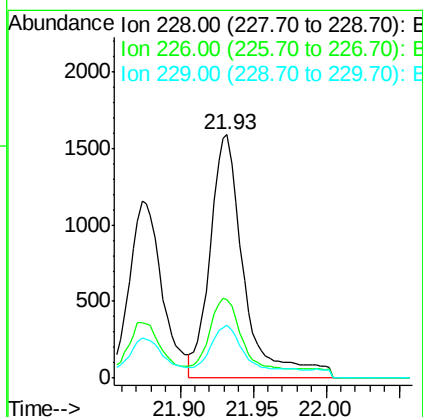
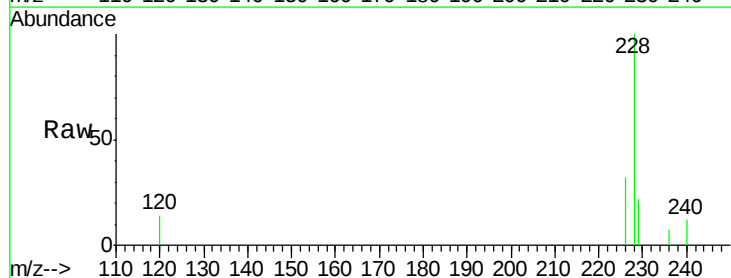
Tgt Ion:228 Resp: 2569

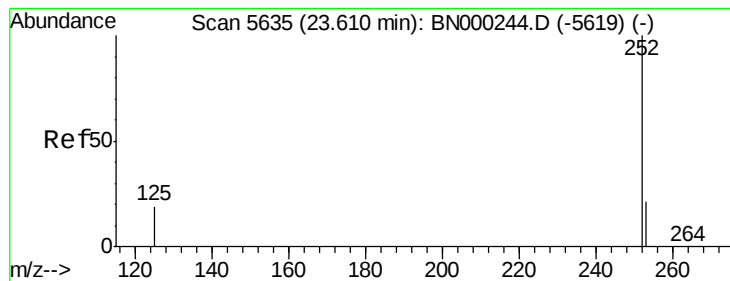
Ion Ratio Lower Upper

228 100

226 32.3 23.4 35.0

229 21.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.058 ng/u1

RT: 23.61 min Scan# 5635

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

Instrument :

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ClientSampleId :

MDL-SIM-S-05

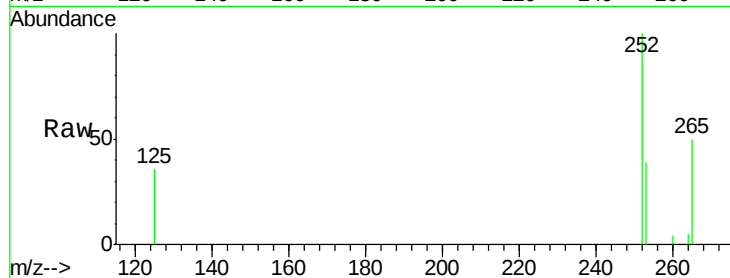
Tgt Ion:252 Resp: 2086

Ion Ratio Lower Upper

252 100

253 38.6 0.0 64.2

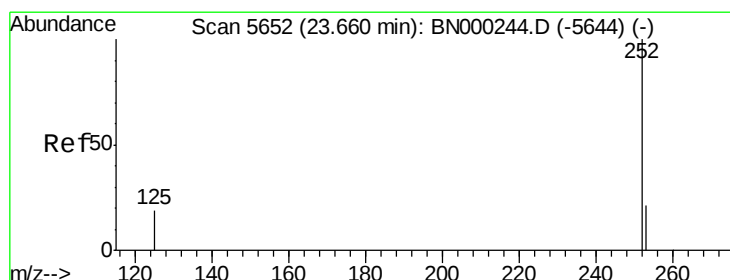
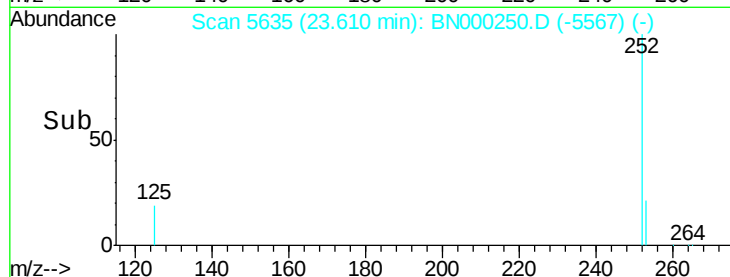
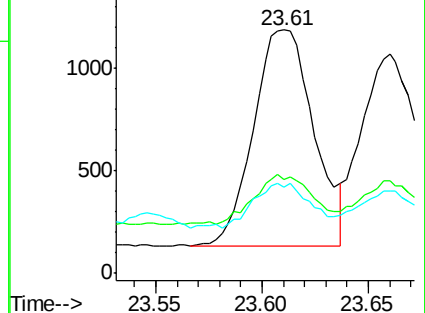
125 35.5 0.0 35.0#



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: 0.054 ng/u1

RT: 23.66 min Scan# 5652

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

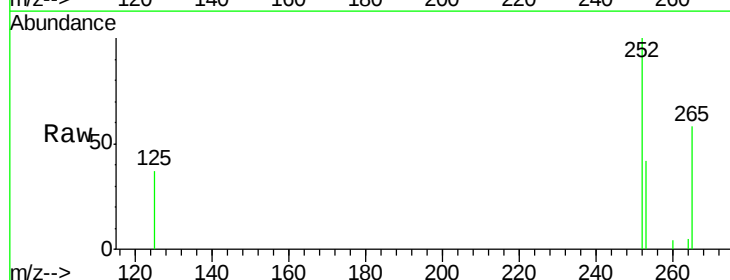
Tgt Ion:252 Resp: 1825

Ion Ratio Lower Upper

252 100

253 42.2 24.5 36.7#

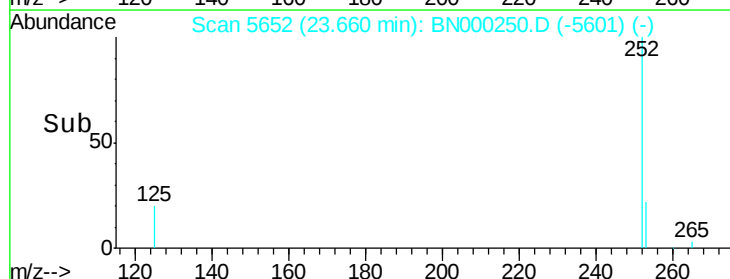
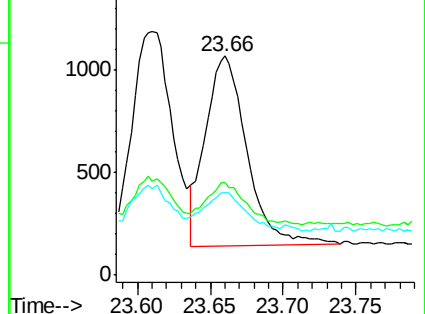
125 37.5 13.7 20.5#

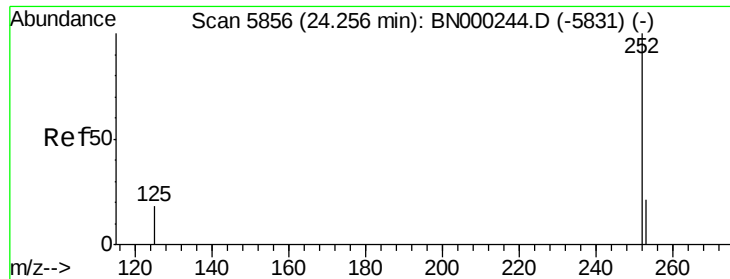


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.055 ng/u1

RT: 24.26 min Scan# 5857

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-05

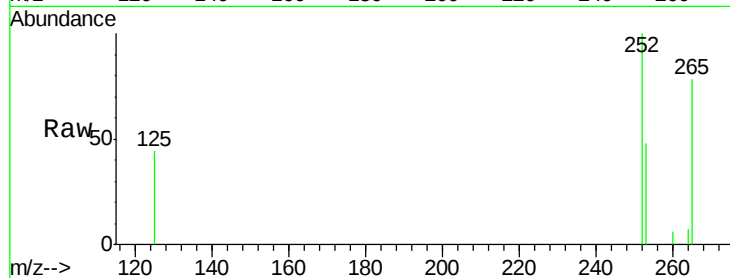
Tgt Ion:252 Resp: 1537

Ion Ratio Lower Upper

252 100

253 48.0 28.5 42.7#

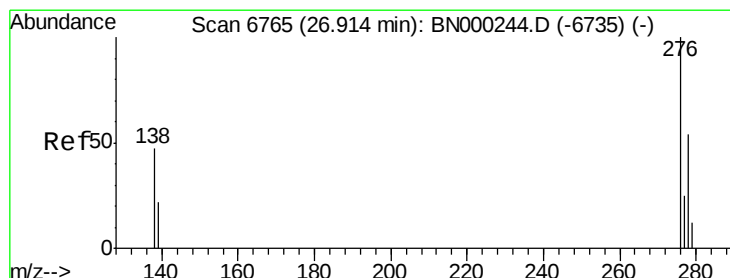
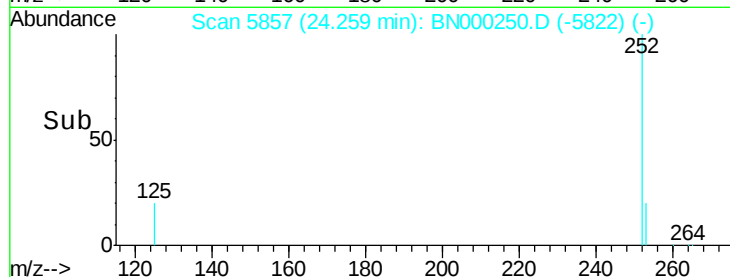
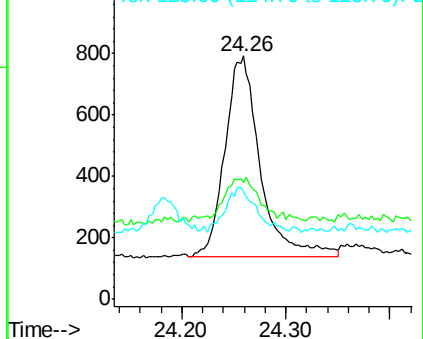
125 44.4 18.1 27.1#



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: 0.054 ng/u1

RT: 26.92 min Scan# 6766

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

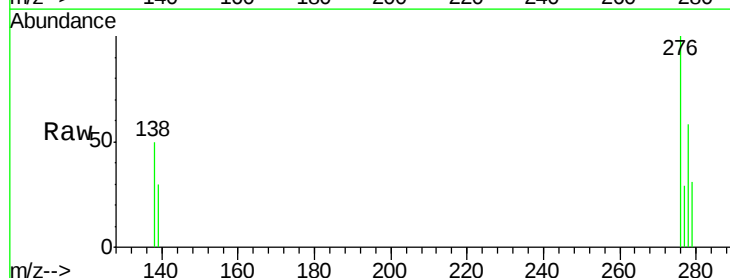
Tgt Ion:276 Resp: 1699

Ion Ratio Lower Upper

276 100

138 46.0 28.0 42.0#

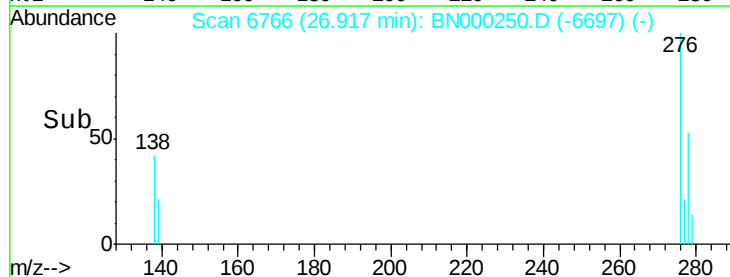
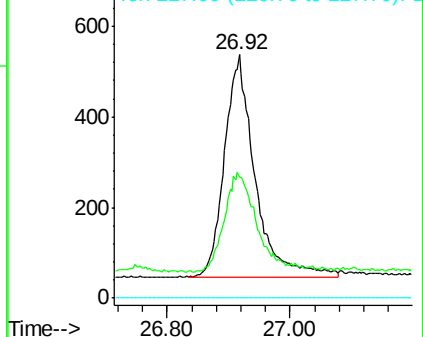
227 0.0 8.0 12.0#

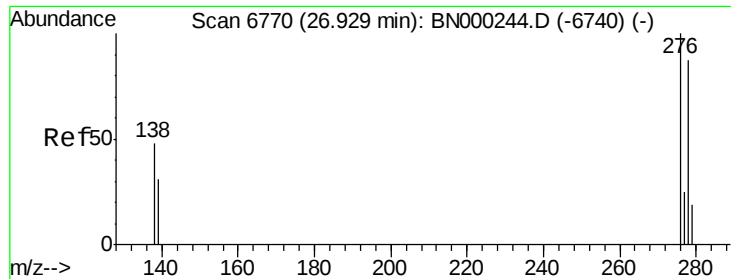


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.052 ng/ul

RT: 26.93 min Scan# 6770

Delta R.T. 0.00 min

Lab File: BN000250.D

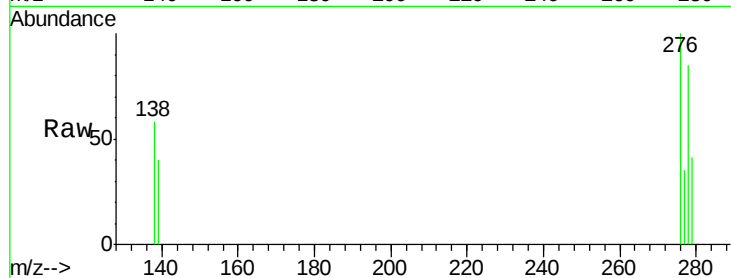
Acq: 05 Mar 2018 18:01

Instrument :

BNA_N

ClientSampleId :

MDL-SIM-S-05



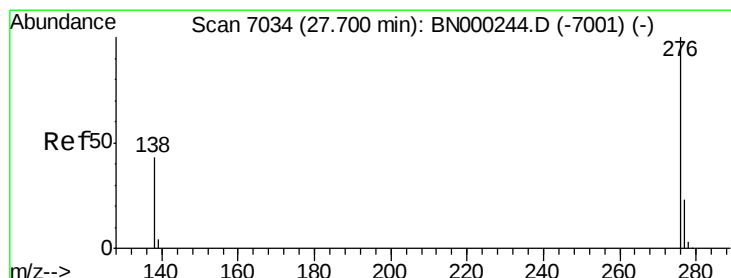
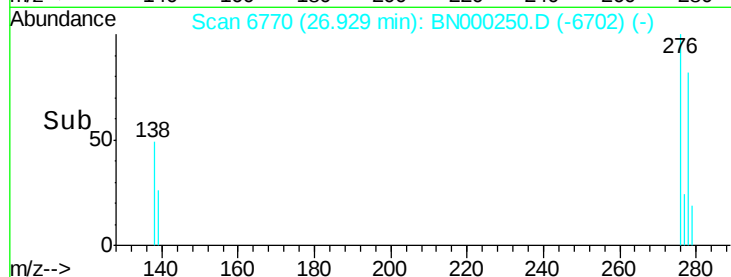
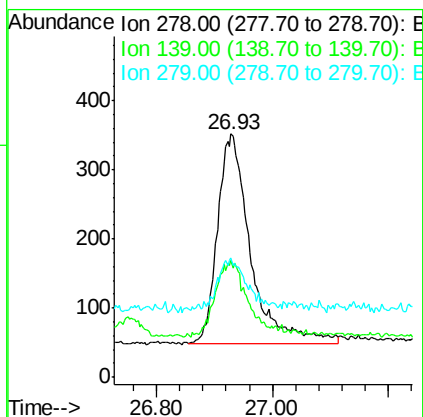
Tgt Ion:278 Resp: 1189

Ion Ratio Lower Upper

278 100

139 47.7 17.4 26.0#

279 48.9 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.057 ng/ul

RT: 27.70 min Scan# 7034

Delta R.T. 0.00 min

Lab File: BN000250.D

Acq: 05 Mar 2018 18:01

Tgt Ion:276 Resp: 1765

Ion Ratio Lower Upper

276 100

138 48.6 21.8 32.8#

277 30.9 20.5 30.7#

