

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031618\
 Data File : BN000438.D
 Acq On : 16 Mar 2018 10:15
 Operator : JU/SJ
 Sample : J1864-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 16 15:35:03 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 15:30:48 2018
 Response via : Initial Calibration

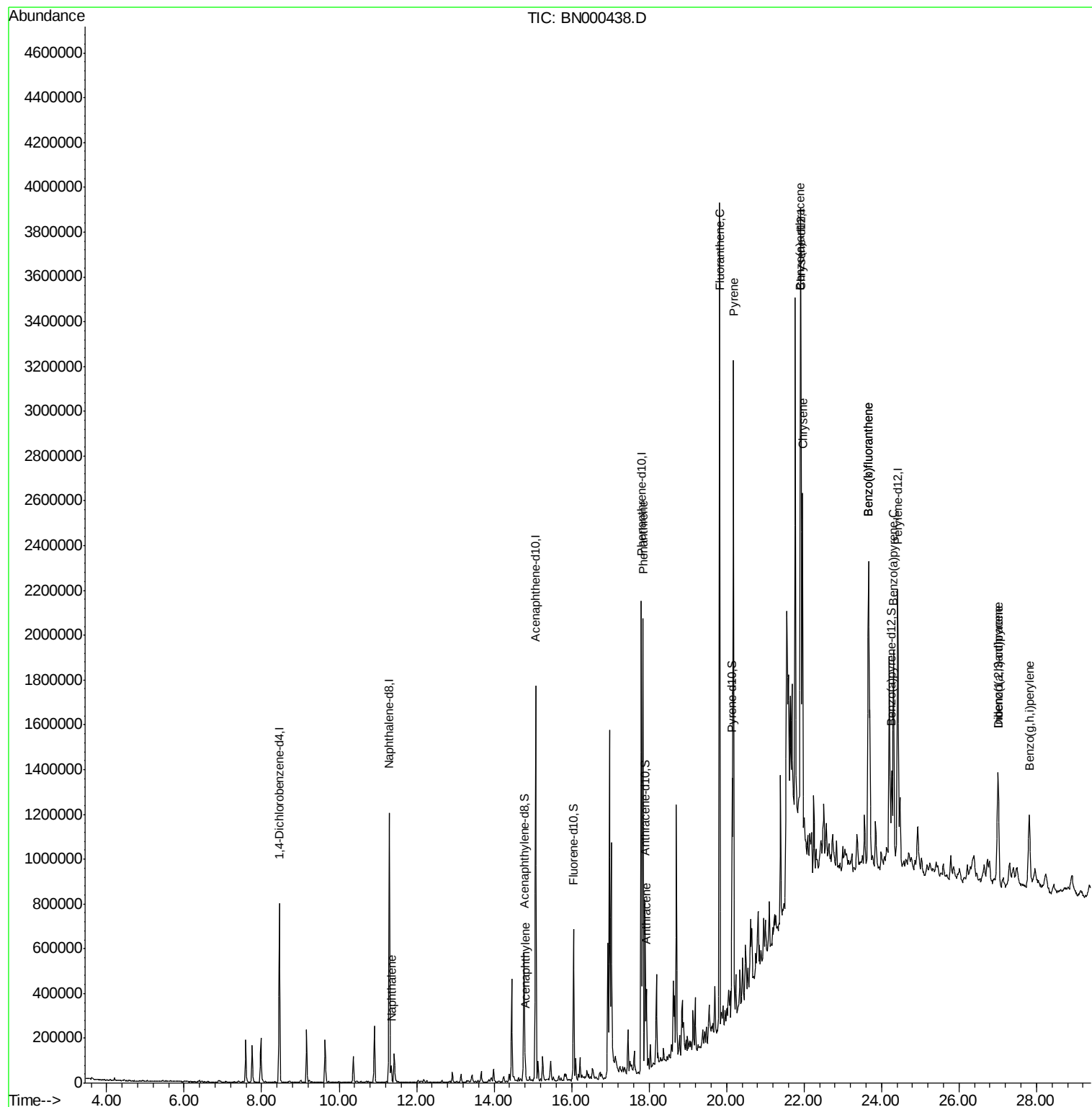
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	216424	20.00	ng/ul	0.00
2) Naphthalene-d8	11.30	136	1002978	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.07	164	557120	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.80	188	1184395	20.00	ng/ul	0.01
17) Chrysene-d12	21.92	240	954092	20.00	ng/ul	0.01
22) Perylene-d12	24.42	264	897323	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	14.77	160	368381	6.66	ng/ul	0.00
10) Fluorene-d10	16.05	176	245503	6.56	ng/ul	0.00
14) Anthracene-d10	17.90	188	366283	6.62	ng/ul	0.00
18) Pyrene-d10	20.15	212	363714	7.79	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.26	264	273584	6.68	ng/ul	0.02
Target Compounds				Ovalue		
3) Naphthalene	11.35	128	59384	1.122	ng/ul	98
8) Acenaphthylene	14.80	152	67131	1.208	ng/ul	98
13) Phenanthrene	17.84	178	1165363	17.157	ng/ul	99
15) Anthracene	17.93	178	215511	3.127	ng/ul	99
16) Fluoranthene	19.82	202	2062509	28.104	ng/ul#	91
19) Pyrene	20.18	202	1609958	26.727	ng/ul#	87
20) Benzo(a)anthracene	21.90	228	953694	16.079	ng/ul	97
21) Chrysene	21.96	228	880020	15.634	ng/ul	97
23) Benzo(b)fluoranthene	23.66	252	1516580	28.343	ng/ul#	95
24) Benzo(k)fluoranthene	23.66	252	1516580	30.279	ng/ul#	95
26) Benzo(a)pyrene	24.31	252	668660	13.130	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	27.01	276	471708	8.591	ng/ul#	85
28) Dibenzo(a,h)anthracene	27.01	278	136680	3.037	ng/ul#	77
29) Benzo(a,h,i)perylene	27.81	276	393828	8.590	ng/ul#	88

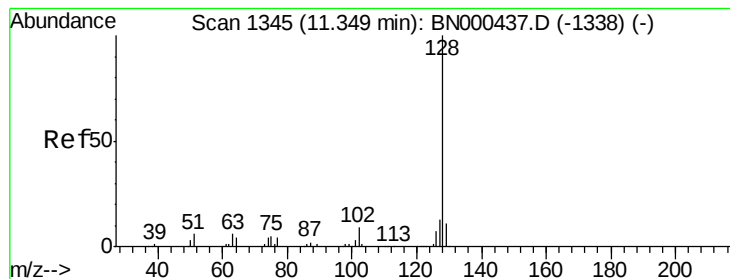
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 16 15:30:48 2018
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#3

Naphthalene

Concen: 1.122 ng/ul

RT: 11.35 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

Instrument :

BNA_N

ClientSampleId :

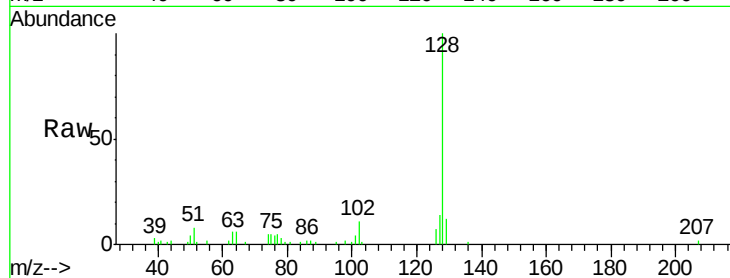
Tot Ion:128 Resp: 59384

Ion Ratio Lower Upper

128 100

129 11.6 8.7 13.1

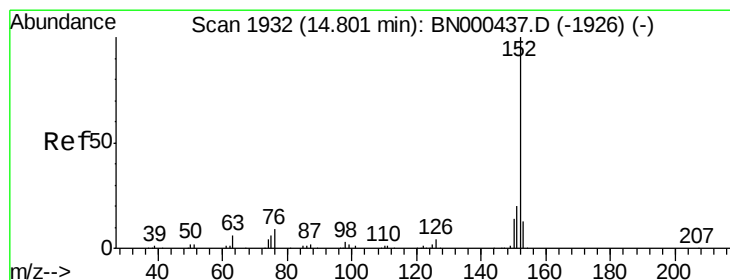
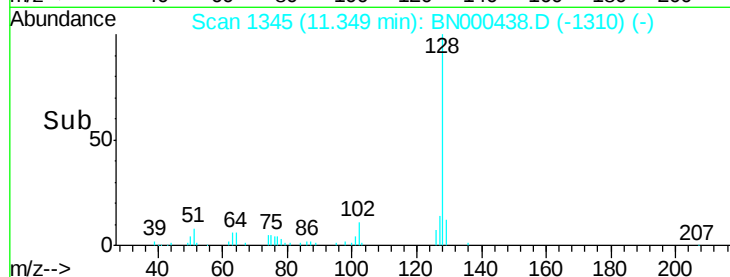
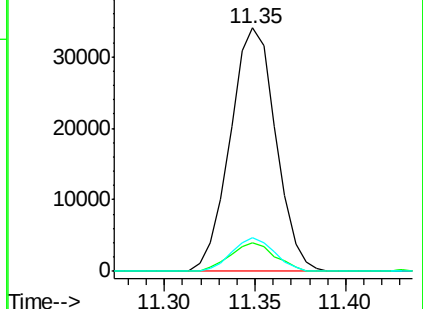
127 13.8 10.6 16.0



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



#8

Acenaphthylene

Concen: 1.208 ng/ul

RT: 14.80 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

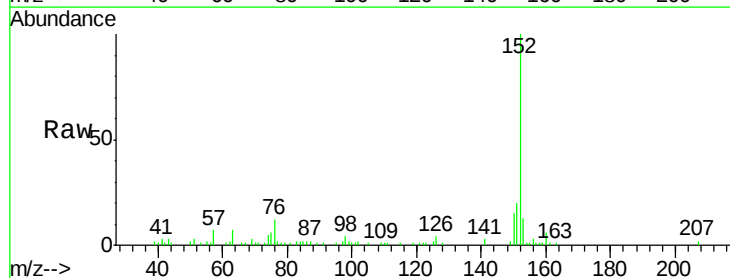
Tgt Ion:152 Resp: 67131

Ion Ratio Lower Upper

152 100

151 19.9 16.7 25.1

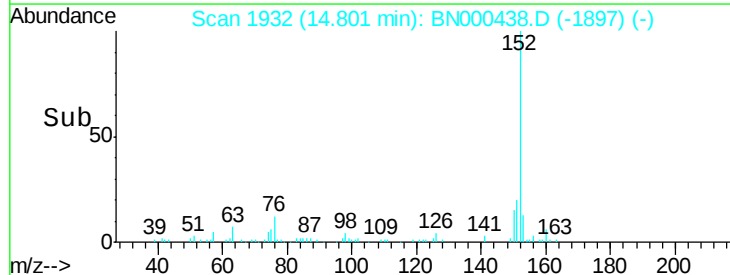
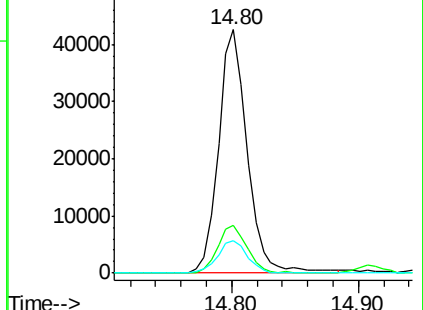
153 13.3 10.2 15.4

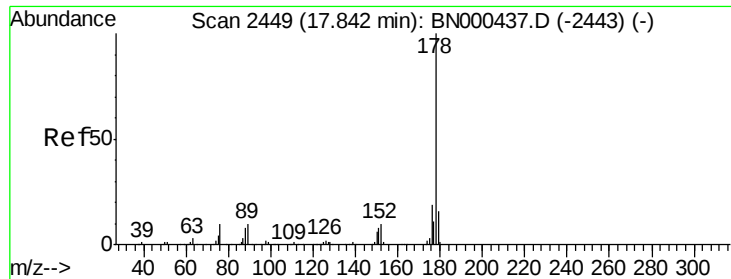


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

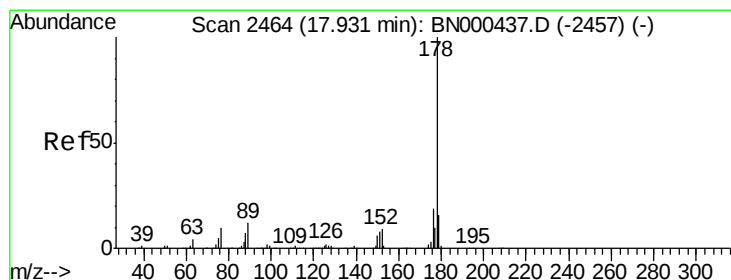
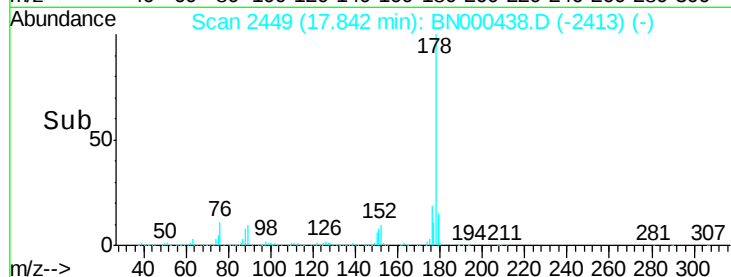
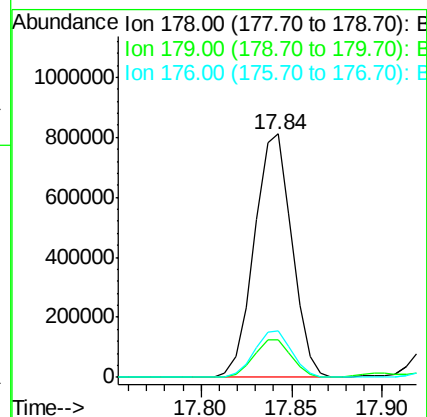
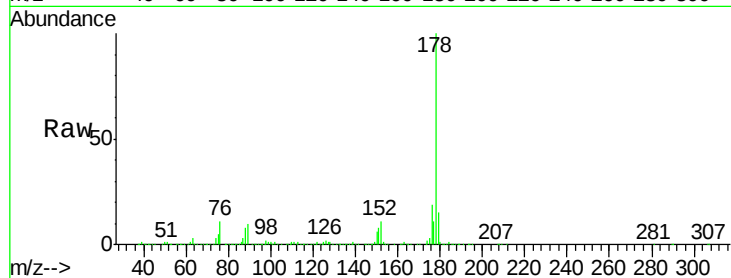




#13
Phenanthrene
Concen: 17.157 ng/ul
RT: 17.84 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BN000438.D
Acq: 16 Mar 2018 10:15

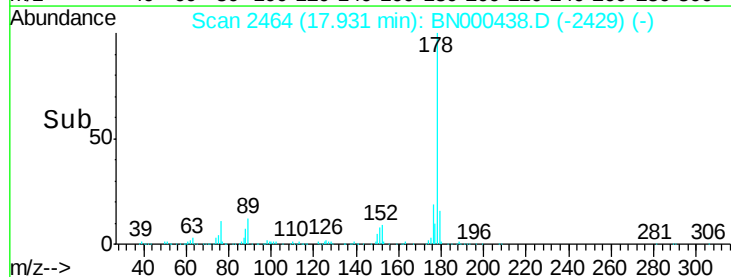
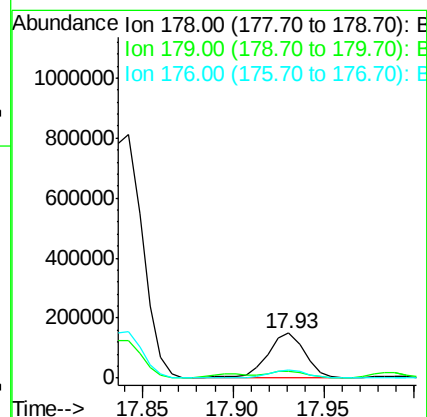
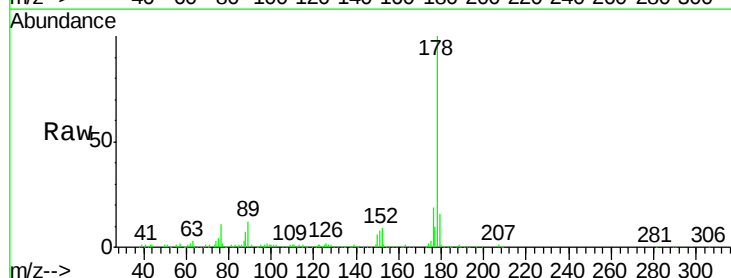
Instrument :
BNA_N
ClientSampleId :

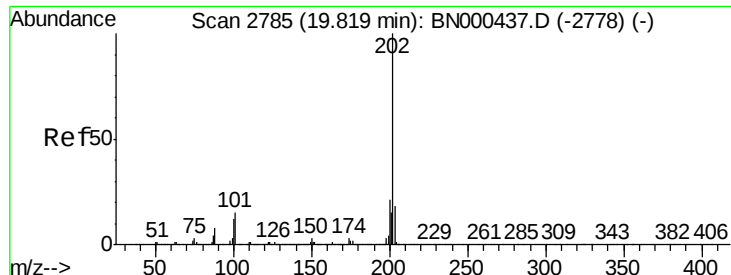
Tot Ion:178 Resp: 1165363
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 19.3 15.1 22.7



#15
Anthracene
Concen: 3.127 ng/ul
RT: 17.93 min Scan# 2464
Delta R.T. 0.01 min
Lab File: BN000438.D
Acq: 16 Mar 2018 10:15

Tgt Ion:178 Resp: 215511
Ion Ratio Lower Upper
178 100
179 15.6 11.8 17.8
176 19.2 15.2 22.8





#16

Fluoranthene

Concen: 28.104 ng/ul

RT: 19.82 min Scan# 2785

Delta R.T. 0.01 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

Instrument :

BNA_N

ClientSampleId :

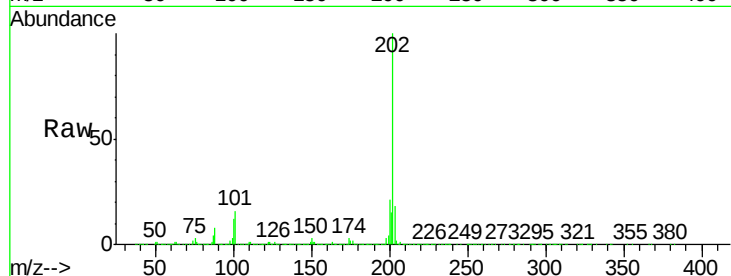
Tot Ion:202 Resp: 2062509

Ion Ratio Lower Upper

202 100

101 16.0 9.9 14.9#

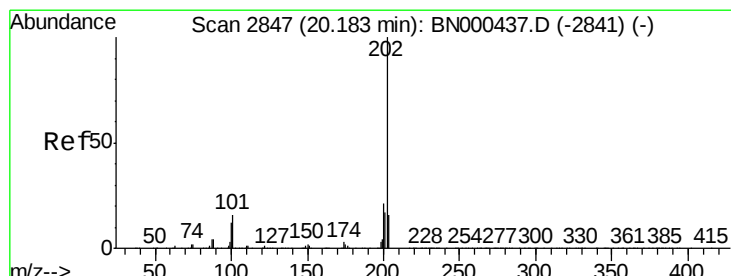
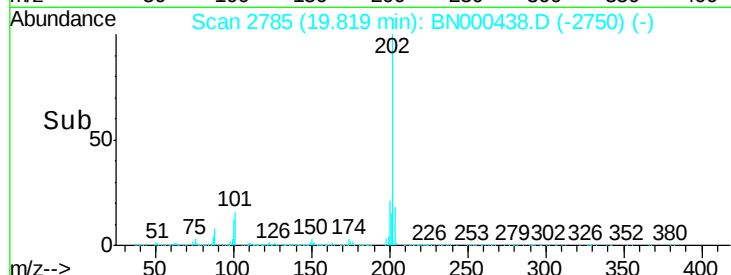
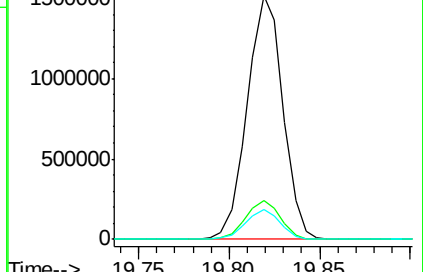
100 12.0 7.4 11.0#



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



#19

Pyrene

Concen: 26.727 ng/ul

RT: 20.18 min Scan# 2846

Delta R.T. 0.01 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

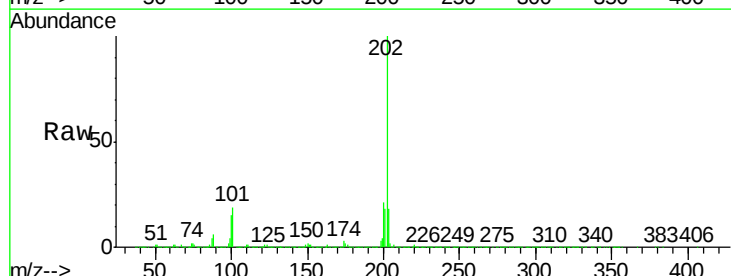
Tgt Ion:202 Resp: 1609958

Ion Ratio Lower Upper

202 100

101 18.5 11.0 16.4#

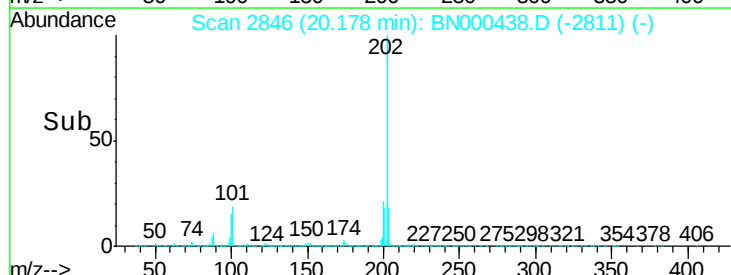
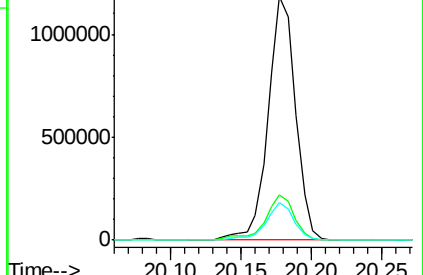
100 15.2 8.1 12.1#

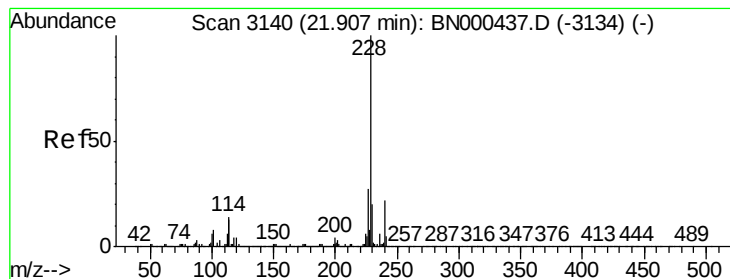


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 16.079 ng/ul

RT: 21.90 min Scan# 3139

Delta R.T. 0.01 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

Instrument :

BNA_N

ClientSampleId :

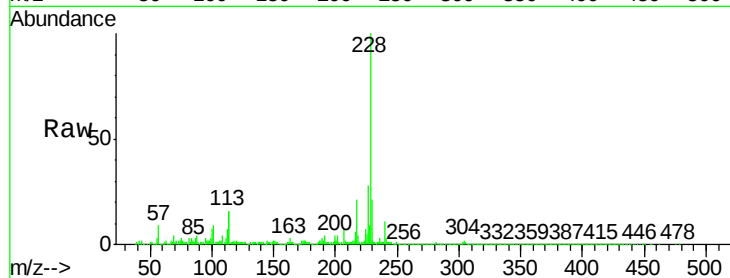
Tot Ion:228 Resp: 953694

Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

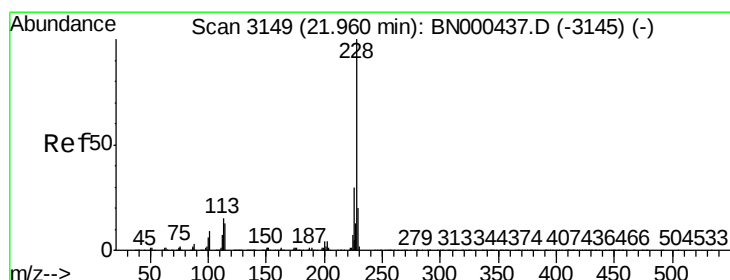
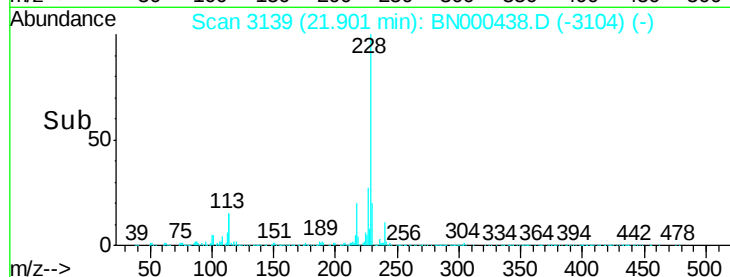
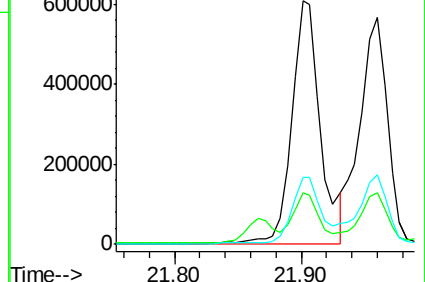
226 27.6 21.1 31.7



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



#21

Chrysene

Concen: 15.634 ng/ul

RT: 21.96 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

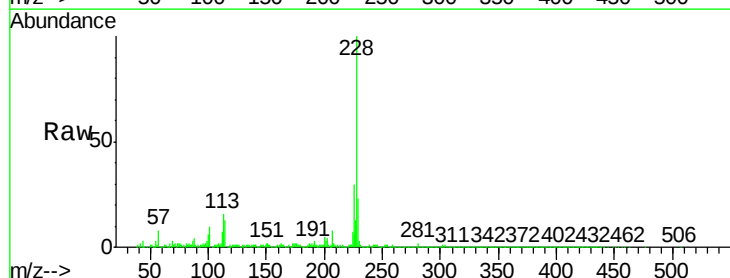
Tgt Ion:228 Resp: 880020

Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

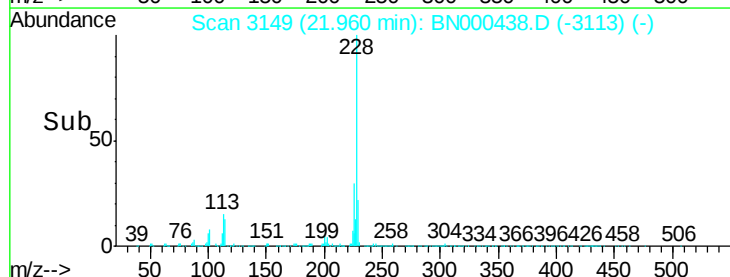
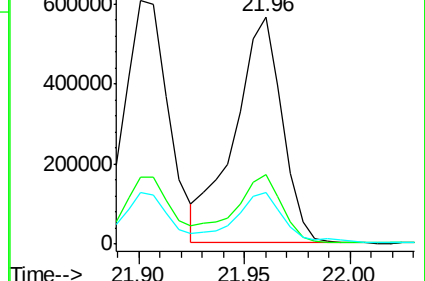
229 22.7 15.8 23.8

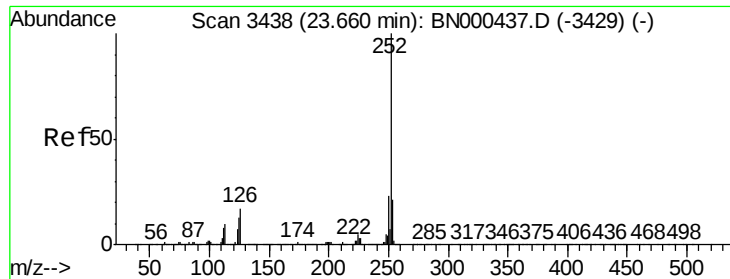


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 28.343 ng/ul

RT: 23.66 min Scan# 3438

Delta R.T. 0.02 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

Instrument :

BNA_N

ClientSampleId :

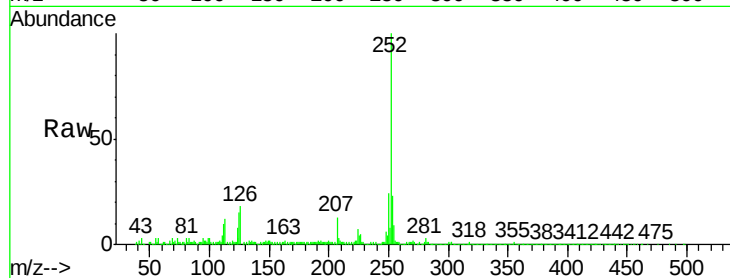
Tot Ion:252 Resp: 1516580

Ion Ratio Lower Upper

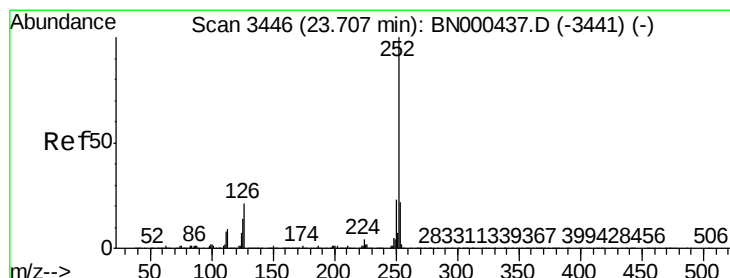
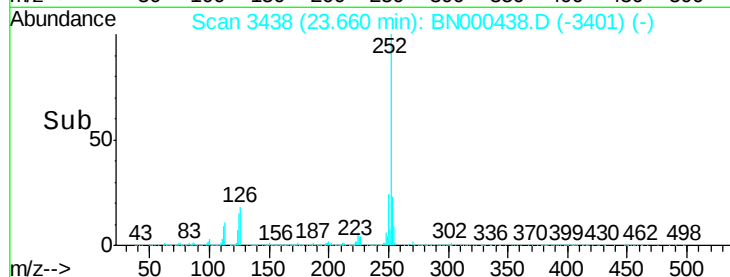
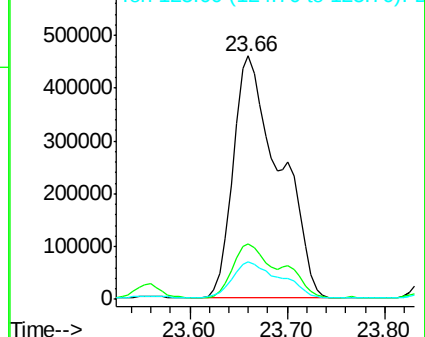
252 100

253 23.0 18.0 27.0

125 15.3 8.0 12.0#



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



#24

Benzo(k)fluoranthene

Concen: 30.279 ng/ul

RT: 23.66 min Scan# 3438

Delta R.T. -0.03 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

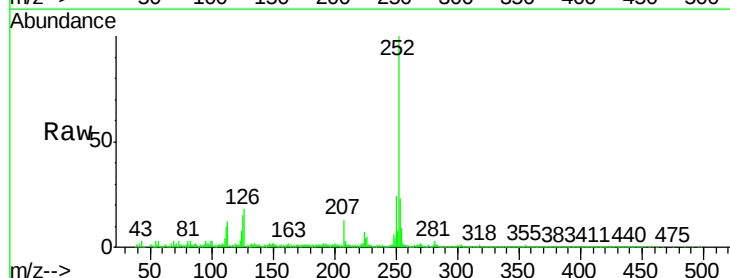
Tgt Ion:252 Resp: 1516580

Ion Ratio Lower Upper

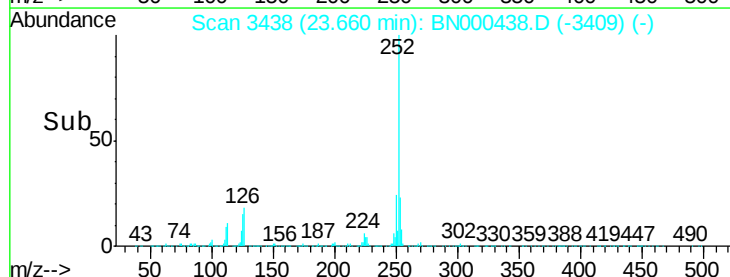
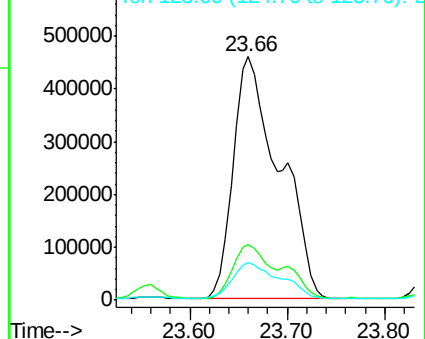
252 100

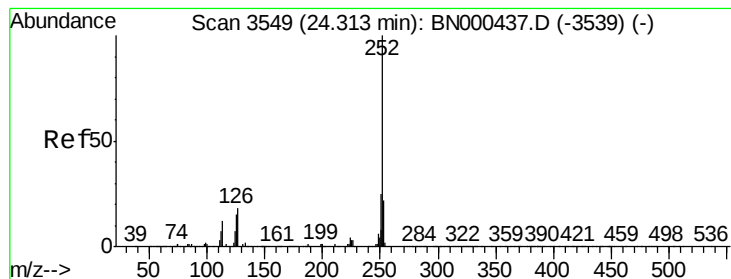
253 23.0 18.0 27.0

125 15.3 8.1 12.1#



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





#26

Benzo(a)pyrene

Concen: 13.130 ng/ul

RT: 24.31 min Scan# 3548

Delta R.T. 0.02 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

Instrument :

BNA_N

ClientSampleId :

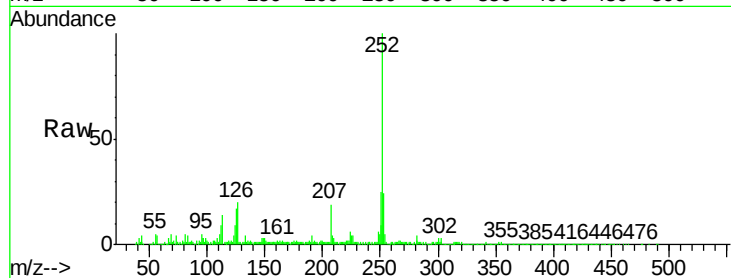
Tot Ion:252 Resp: 668660

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

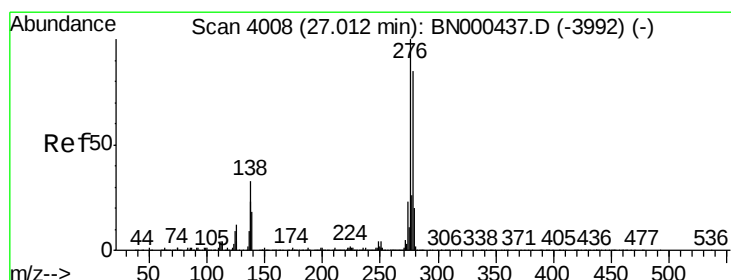
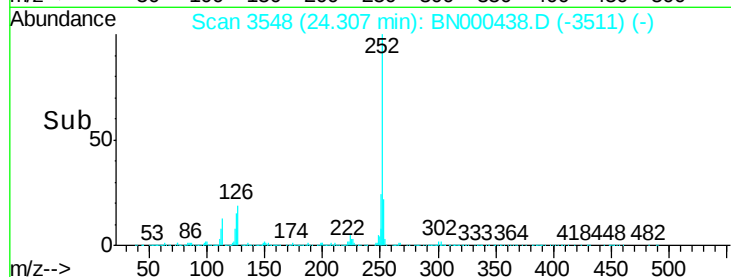
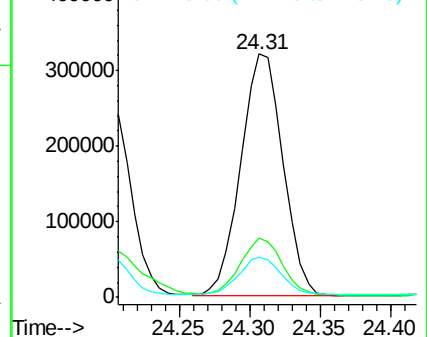
125 16.5 8.2 12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 8.591 ng/ul

RT: 27.01 min Scan# 4007

Delta R.T. 0.03 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

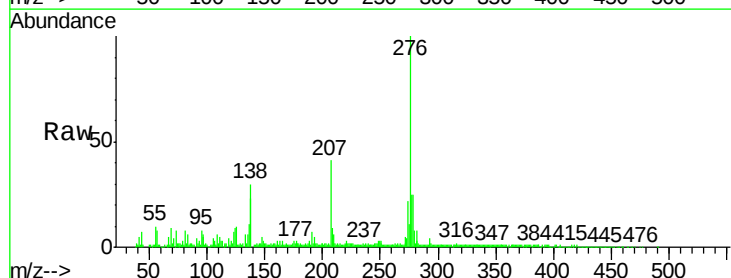
Tgt Ion:276 Resp: 471708

Ion Ratio Lower Upper

276 100

138 29.9 14.4 21.6#

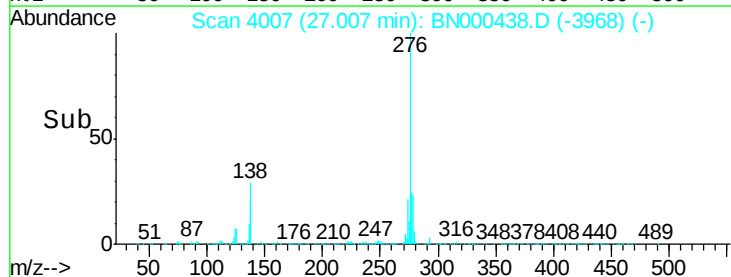
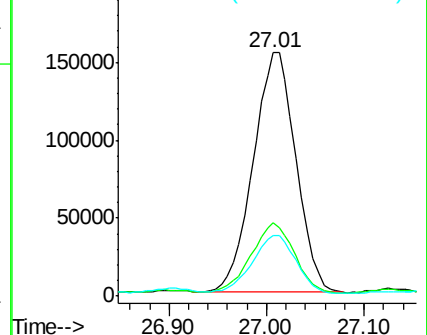
277 24.9 18.0 27.0

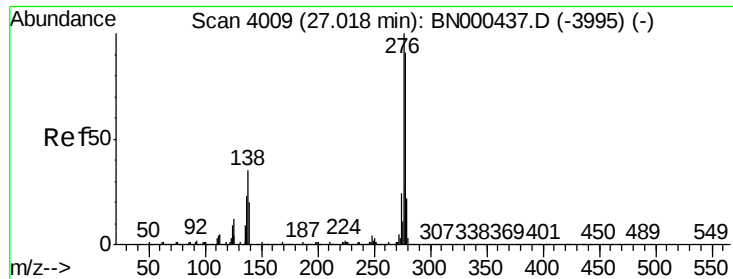


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 3.037 ng/ul

RT: 27.01 min Scan# 4007

Delta R.T. 0.02 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

Instrument :

BNA_N

ClientSampled :

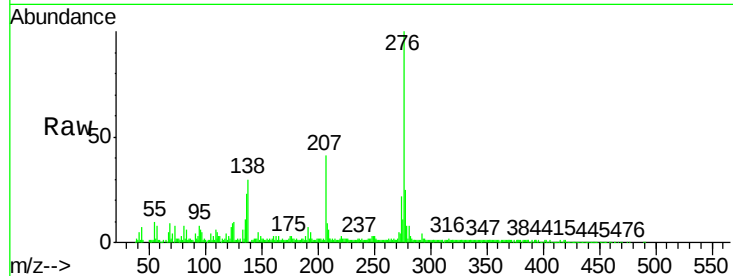
Tot Ion:278 Resp: 136680

Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

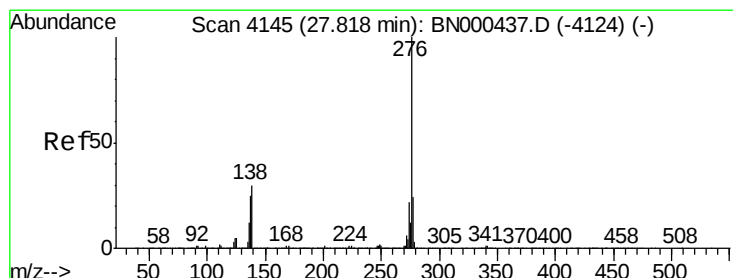
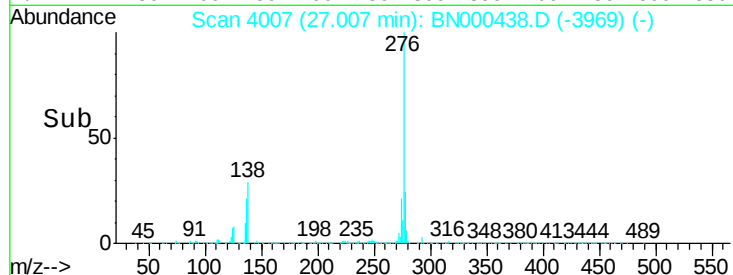
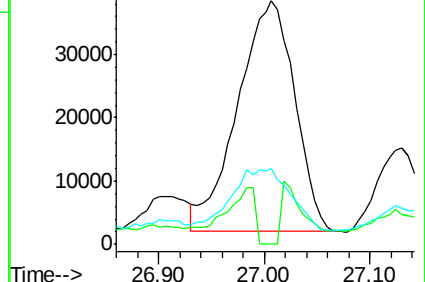
279 30.9 19.2 28.8#



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



#29

Benzo(g,h,i)perylene

Concen: 8.590 ng/ul

RT: 27.81 min Scan# 4143

Delta R.T. 0.04 min

Lab File: BN000438.D

Acq: 16 Mar 2018 10:15

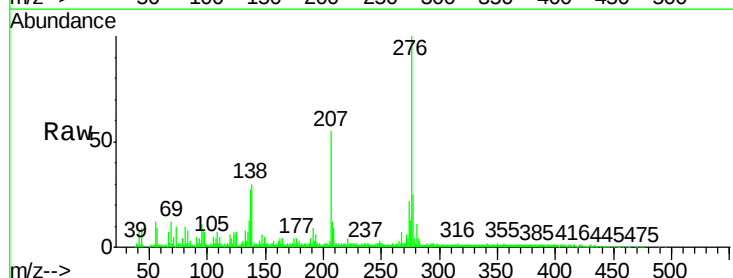
Tgt Ion:276 Resp: 393828

Ion Ratio Lower Upper

276 100

138 30.5 15.3 22.9#

277 24.5 19.0 28.4



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

