

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
 Data File : BN001986.D
 Acq On : 06 Jul 2018 12:52
 Operator : JU/SJ
 Sample : J3765-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 06 23:07:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	616245	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2791859	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1580418	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	3328813	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	2270833	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	2131344	20.00	ng/ul	0.01

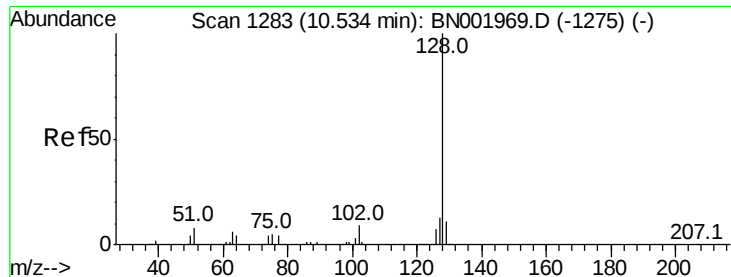
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	34248	2.41	ng/uL	0.00
5) Phenol-d5	6.89	99	1020737	18.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	587286	17.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	804900	18.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	801109	17.93	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	404321	19.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	463444	21.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	890743	19.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	749896	15.81	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	2696291	20.20	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	3370463	20.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	388314	15.79	ng/ul	0.00
57) Fluorene-d10	15.33	176	2337902	19.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	375173	20.69	ng/ul	0.00
70) Anthracene-d10	17.18	188	3478468	21.63	ng/ul	0.00
76) Pyrene-d10	19.48	212	3239452	28.30	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	2505934	21.62	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.53	128	189637	1.280	ng/ul	96
44) Dimethylphthalate	13.80	163	757788	5.777	ng/ul	98
47) Acenaphthylene	14.06	152	784223	4.931	ng/ul	99
69) Phenanthrene	17.12	178	636758	3.396	ng/ul	99
71) Anthracene	17.22	178	1171951	6.174	ng/ul	98
72) Carbazole	17.49	167	542891	3.414	ng/ul	98
74) Fluoranthene	19.15	202	3515171	17.834	ng/ul#	89
77) Pyrene	19.51	202	4561871	32.102	ng/ul#	86
80) Benzo(a)anthracene	21.27	228	3247562	22.628	ng/ul	92
82) Chrysene	21.32	228	4275132	32.015	ng/ul	97
85) Benzo(b)fluoranthene	22.86	252	9364306	69.564	ng/ul#	93
86) Benzo(k)fluoranthene	22.86	252	9364306	71.737	ng/ul#	93
88) Benzo(a)pyrene	23.43	252	4676782	37.178	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	25.76	276	4444431	33.203	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.76	278	1108005	9.946	ng/ul#	86
91) Benzo(g,h,i)perylene	26.44	276	3733038	33.808	ng/ul#	91

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



#28

Naphthalene

Concen: 1.280 ng/ul

RT: 10.53 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

Instrument :

BNA_N

ClientSampleId :

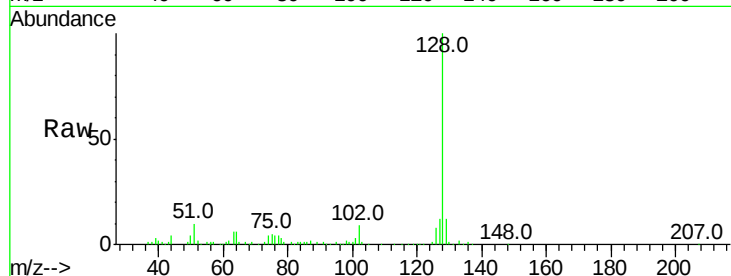
Tot Ion:128 Resp: 189637

Ion Ratio Lower Upper

128 100

129 11.7 8.3 12.5

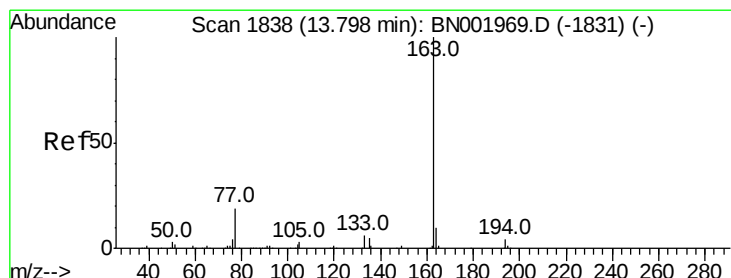
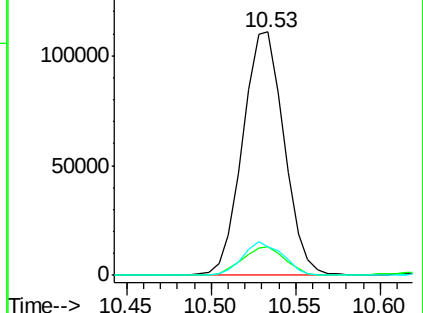
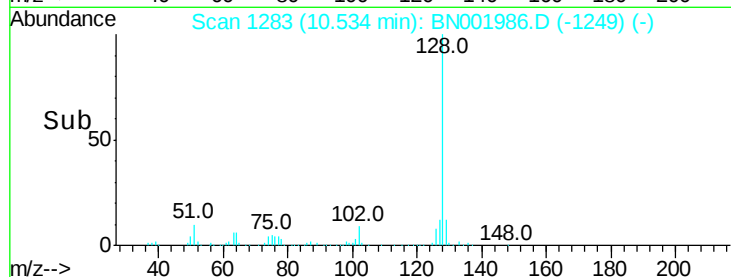
127 12.0 10.8 16.2



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



#44

Dimethylphthalate

Concen: 5.777 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

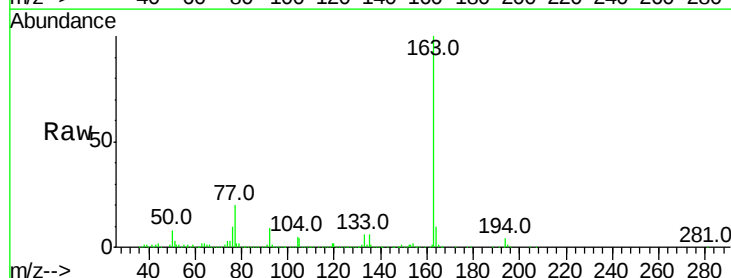
Tgt Ion:163 Resp: 757788

Ion Ratio Lower Upper

163 100

194 4.3 4.0 6.0

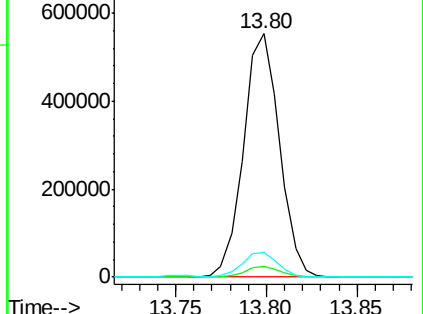
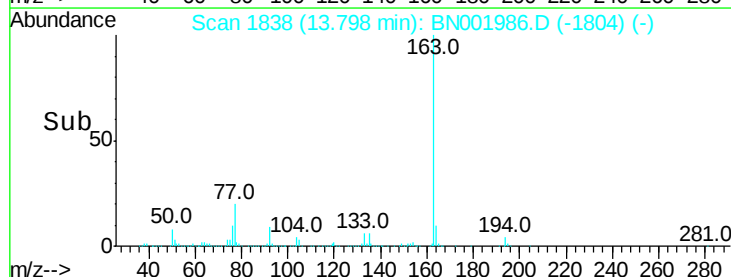
164 10.0 8.4 12.6

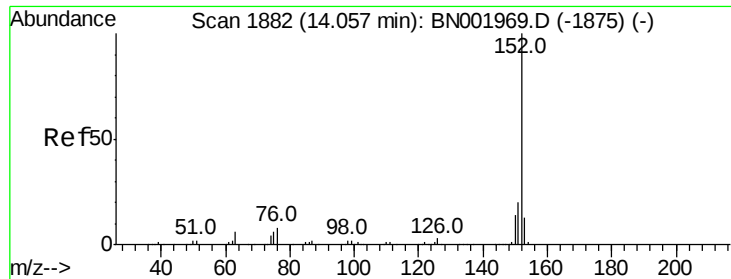


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 4.931 ng/ul

RT: 14.06 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

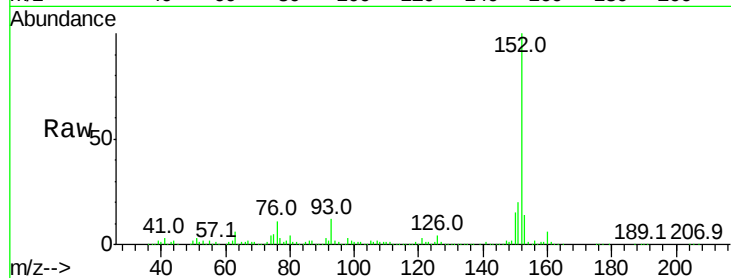
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 784223

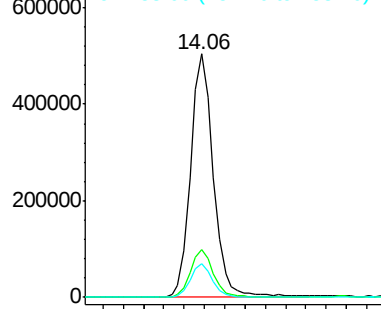
Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	13.8	10.8	16.2



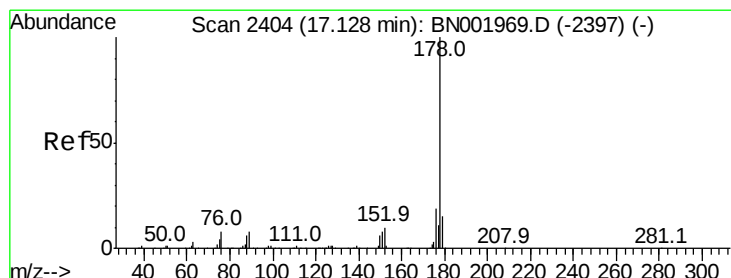
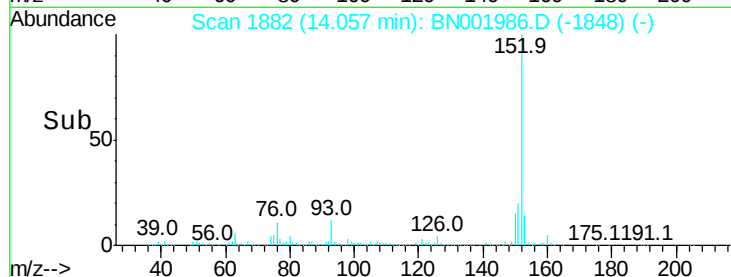
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#69

Phenanthrene

Concen: 3.396 ng/ul

RT: 17.12 min Scan# 2403

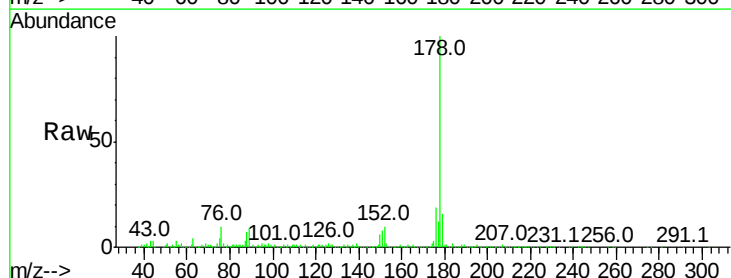
Delta R.T. -0.01 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

Tgt Ion:178 Resp: 636758

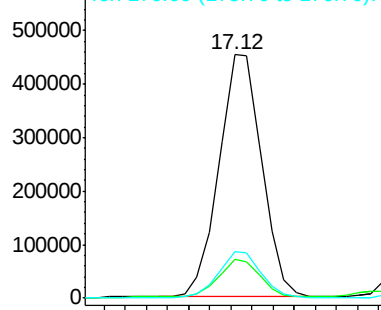
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	19.3	15.4	23.0



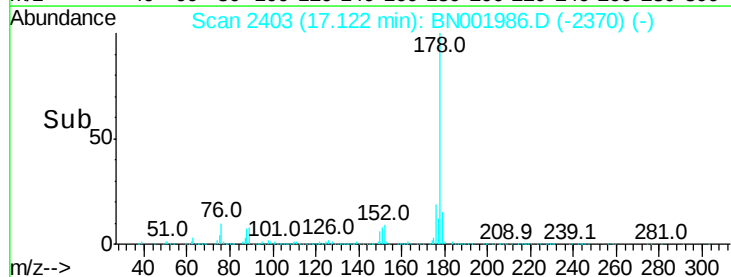
Abundance Ion 178.00 (177.70 to 178.70): E

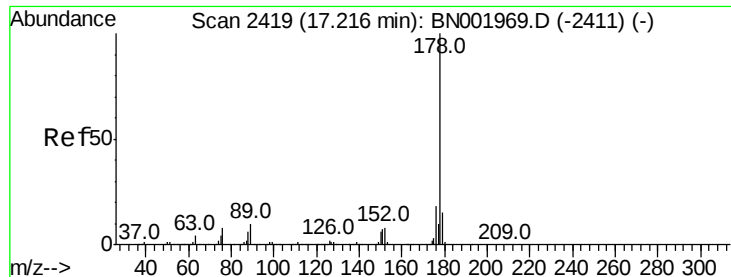
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



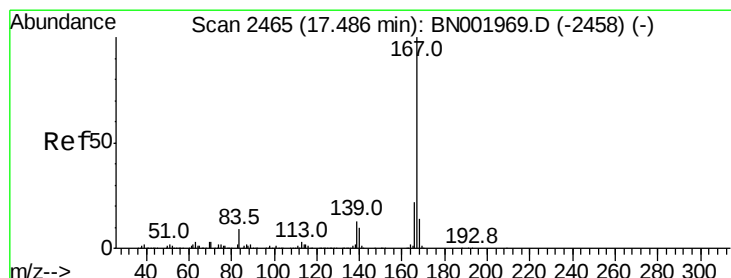
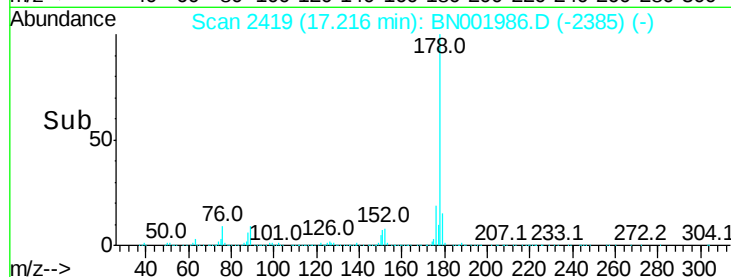
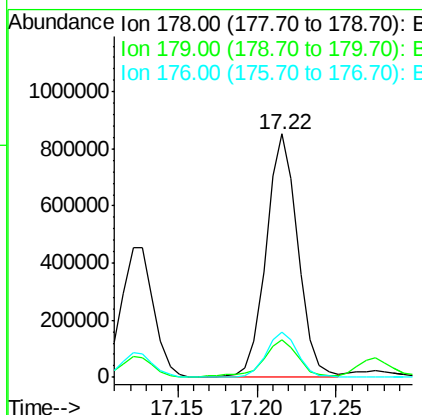
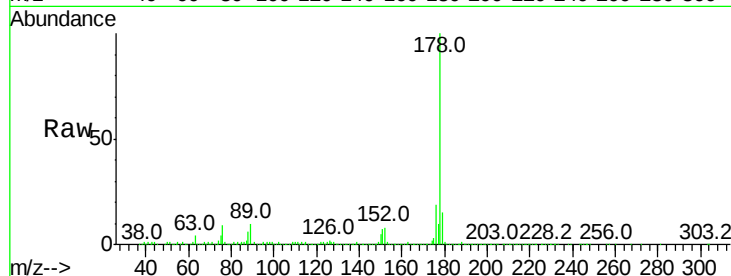


#71
 Anthracene
 Concen: 6.174 ng/ul
 RT: 17.22 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BN001986.D
 Acq: 06 Jul 2018 12:52

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:178 Resp: 1171951

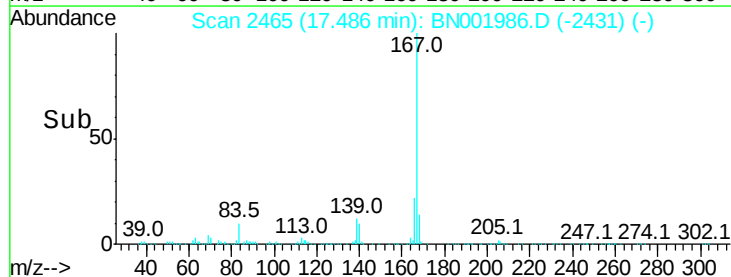
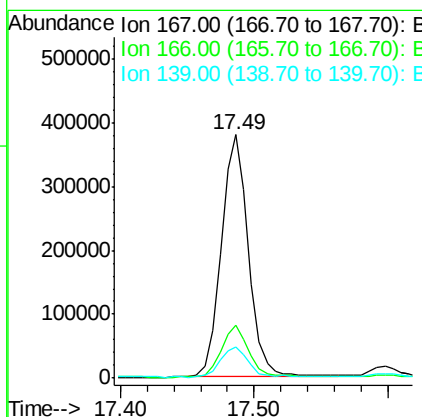
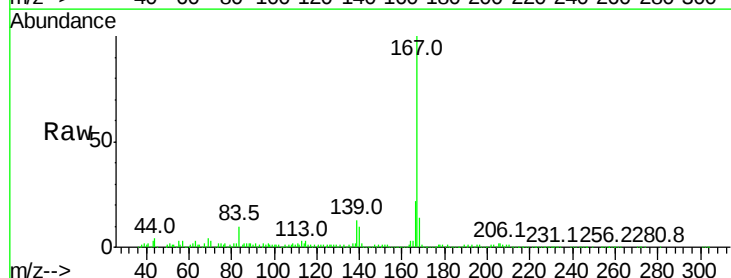
Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.4	20.2
176	18.7	15.4	23.0

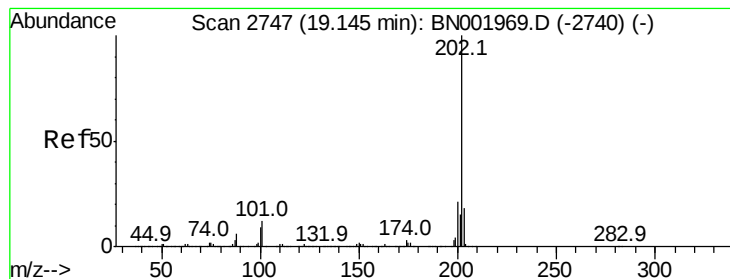


#72
 Carbazole
 Concen: 3.414 ng/ul
 RT: 17.49 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: BN001986.D
 Acq: 06 Jul 2018 12:52

Tgt Ion:167 Resp: 542891

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.4
139	12.9	9.1	13.7





#74

Fluoranthene

Concen: 17.834 ng/ul

RT: 19.15 min Scan# 2747

Delta R.T. 0.00 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

Instrument :

BNA_N

ClientSampleId :

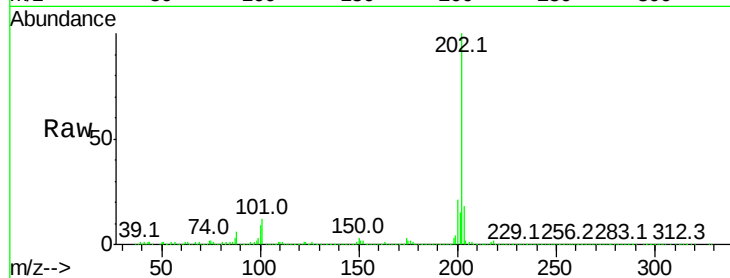
Tot Ion:202 Resp: 3515171

Ion Ratio Lower Upper

202 100

101 12.0 6.1 9.1#

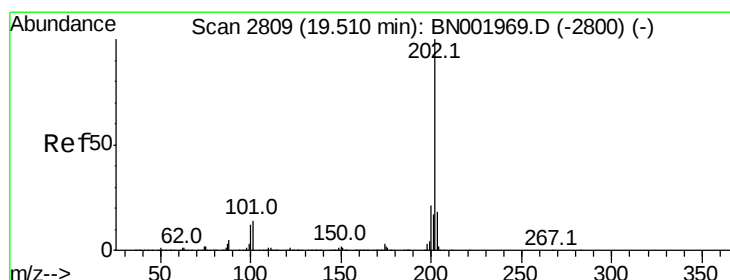
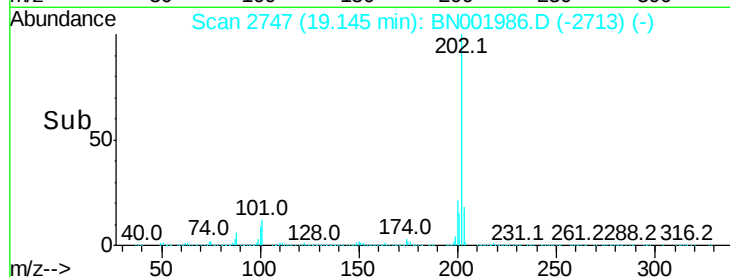
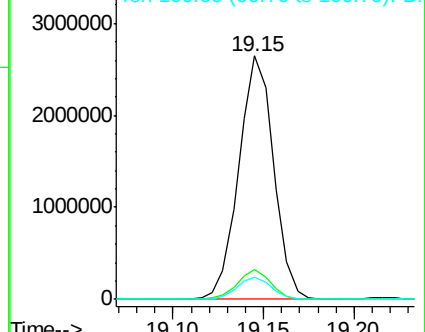
100 8.9 4.6 7.0#



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



#77

Pyrene

Concen: 32.102 ng/ul

RT: 19.51 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

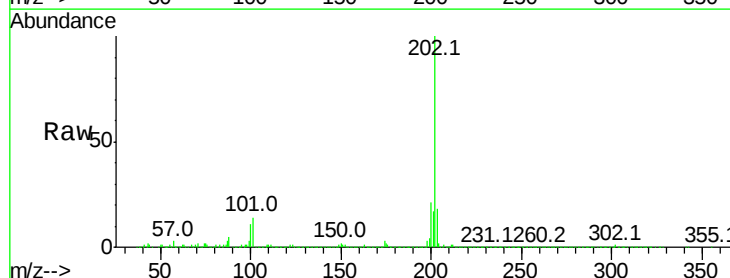
Tgt Ion:202 Resp: 4561871

Ion Ratio Lower Upper

202 100

101 13.9 6.9 10.3#

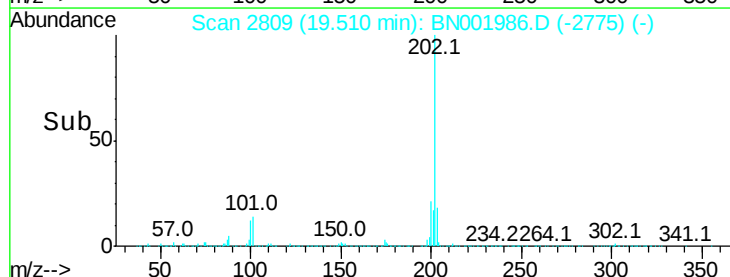
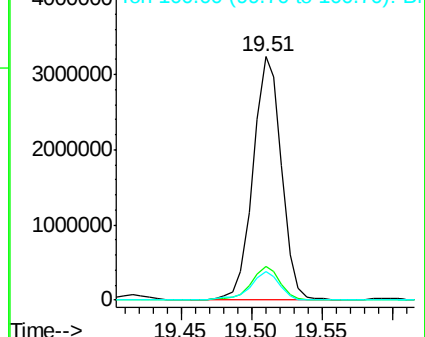
100 11.5 5.6 8.4#

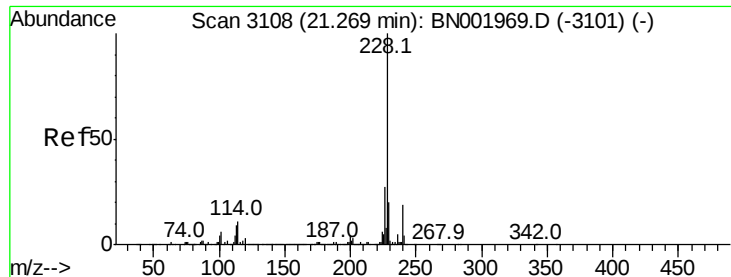


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 22.628 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.00 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

Instrument :

BNA_N

ClientSampleId :

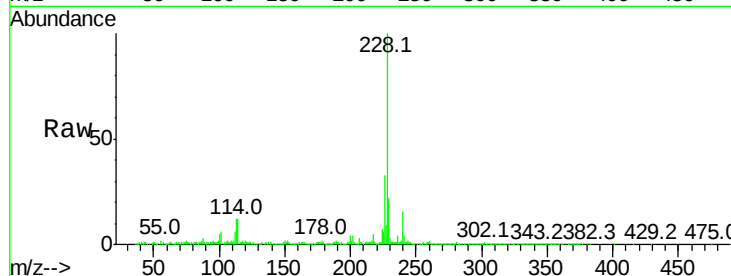
Tot Ion:228 Resp: 3247562

Ion Ratio Lower Upper

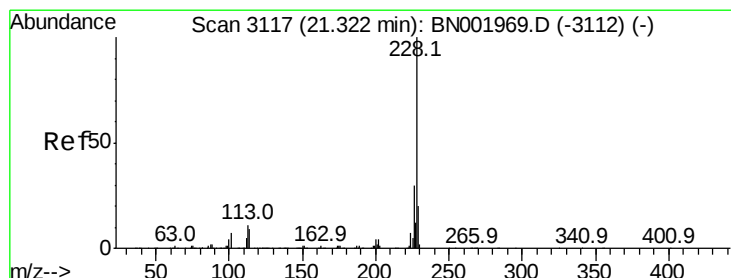
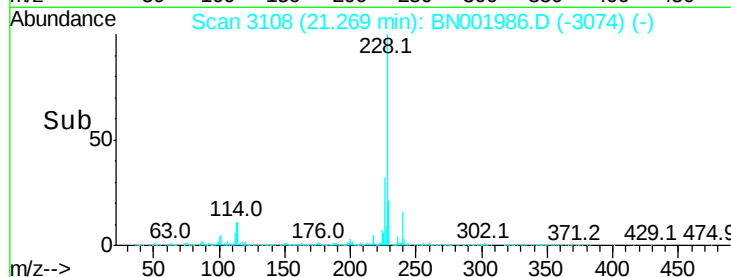
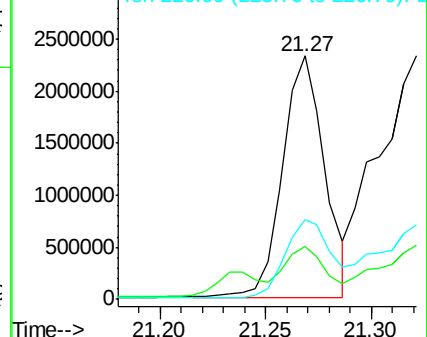
228 100

229 21.9 16.0 24.0

226 32.6 21.8 32.8



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



#82

Chrysene

Concen: 32.015 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

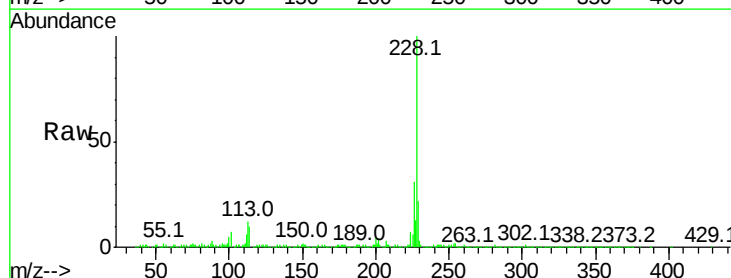
Tgt Ion:228 Resp: 4275132

Ion Ratio Lower Upper

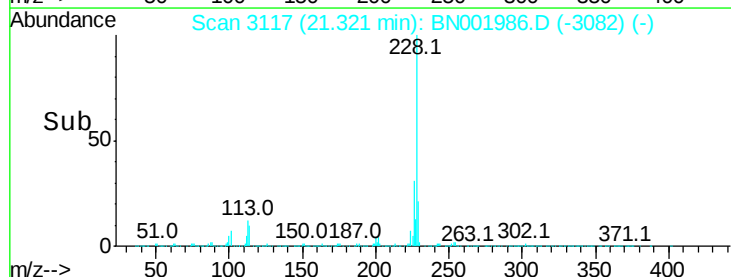
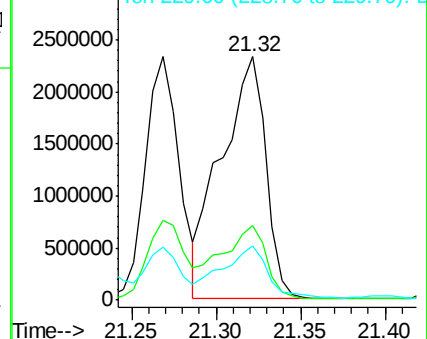
228 100

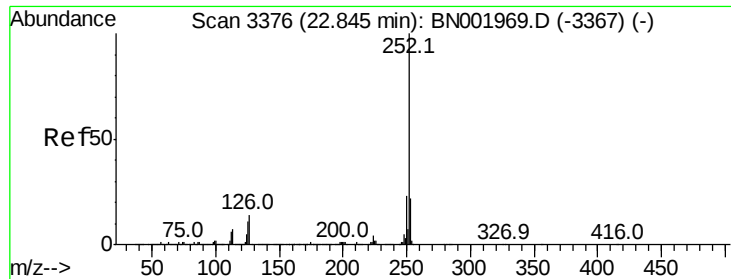
226 30.9 24.1 36.1

229 22.0 16.0 24.0



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





#85

Benzo(b)fluoranthene

Concen: 69.564 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. 0.01 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

Instrument :

BNA_N

ClientSampled :

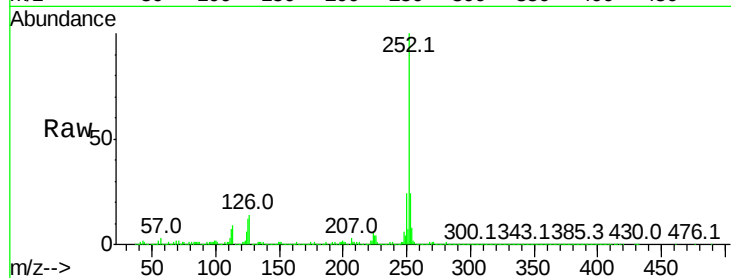
Tot Ion:252 Resp: 9364306

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

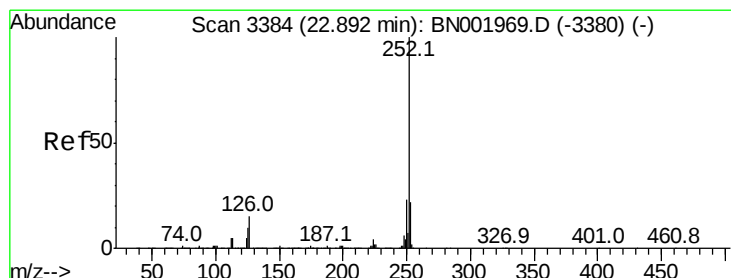
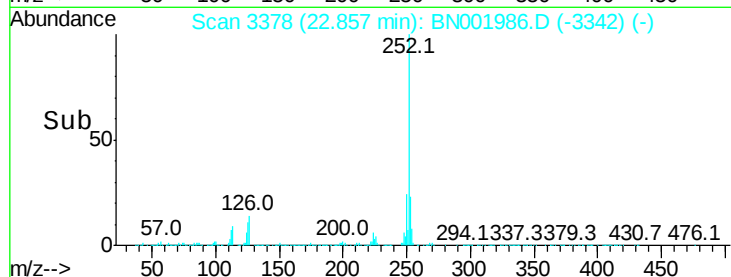
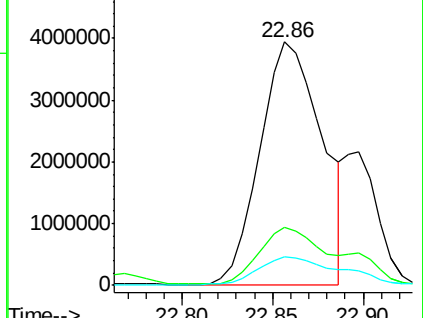
125 11.7 4.9 7.3#



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



#86

Benzo(k)fluoranthene

Concen: 71.737 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. -0.04 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

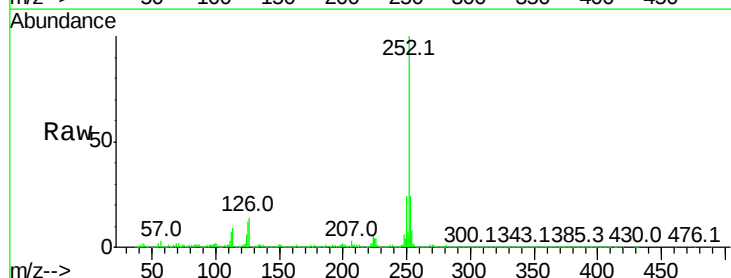
Tgt Ion:252 Resp: 9364306

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

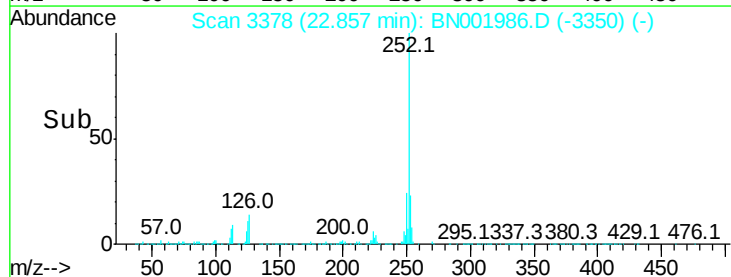
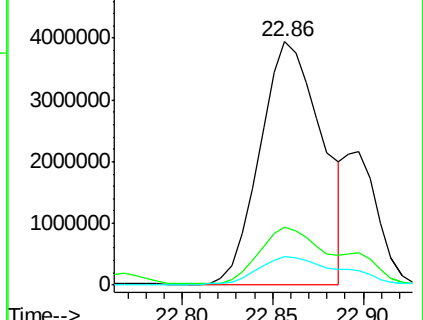
125 11.7 5.4 8.0#

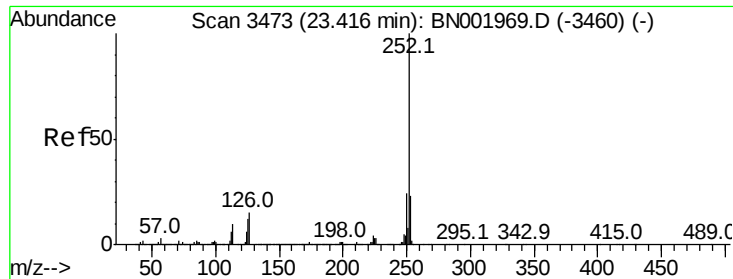


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 37.178 ng/ul

RT: 23.43 min Scan# 3475

Delta R.T. 0.01 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

Instrument :

BNA_N

ClientSampleId :

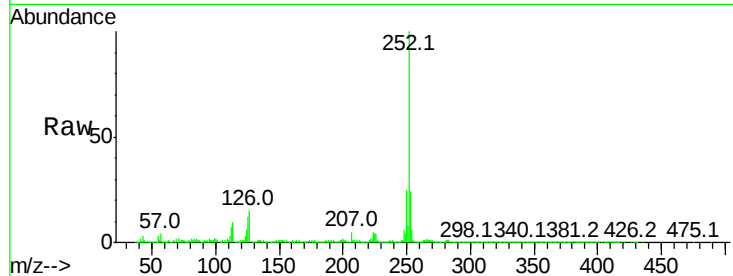
Tot Ion:252 Resp: 4676782

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

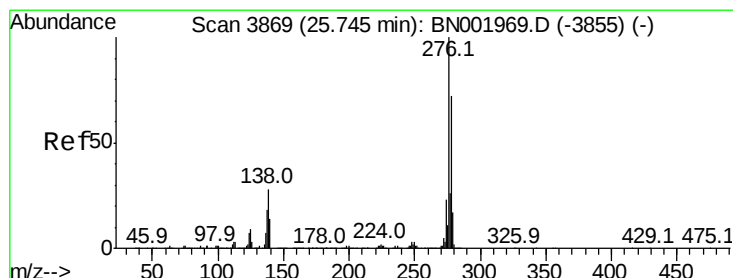
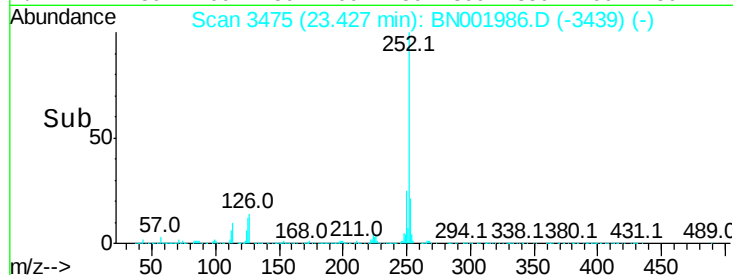
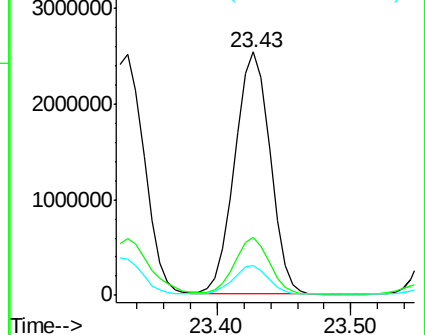
125 12.1 5.8 8.6#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 33.203 ng/ul

RT: 25.76 min Scan# 3872

Delta R.T. 0.02 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

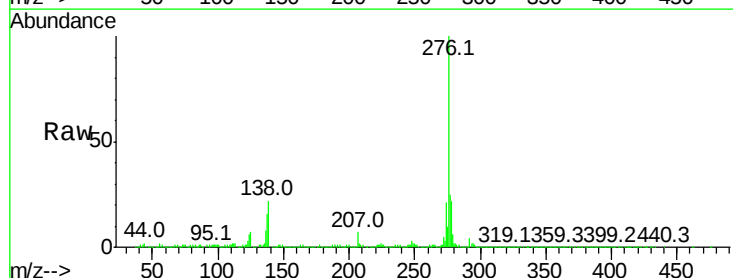
Tgt Ion:276 Resp: 4444431

Ion Ratio Lower Upper

276 100

138 22.2 10.9 16.3#

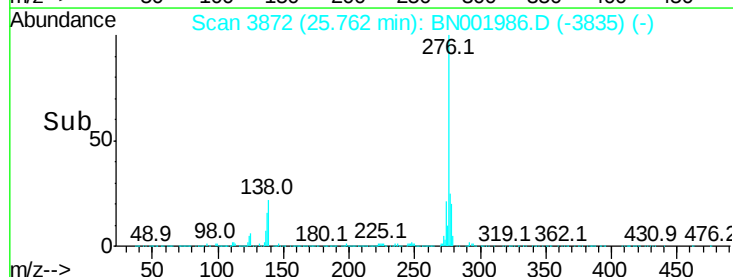
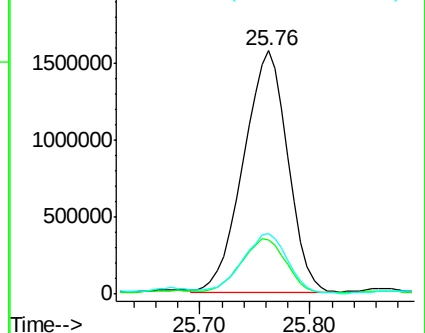
277 24.9 18.9 28.3

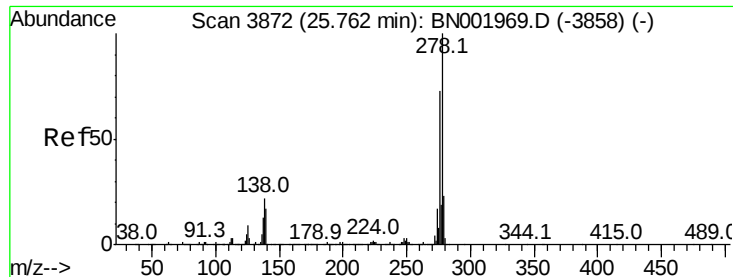


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 9.946 ng/ul

RT: 25.76 min Scan# 3872

Delta R.T. 0.01 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

Instrument :

BNA_N

ClientSampleId :

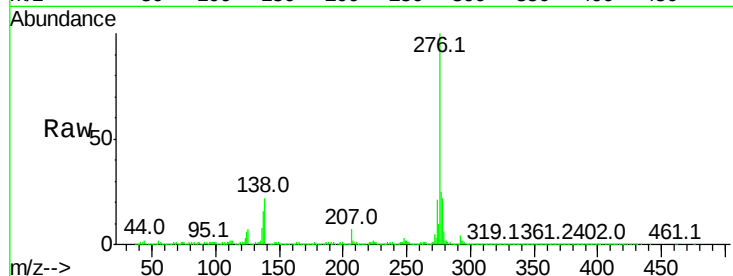
Tot Ion:278 Resp: 1108005

Ion Ratio Lower Upper

278 100

139 0.0 9.0 13.4#

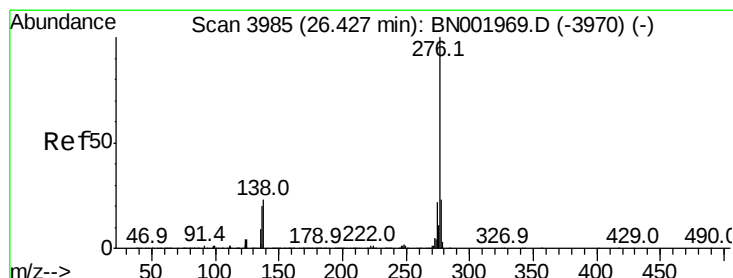
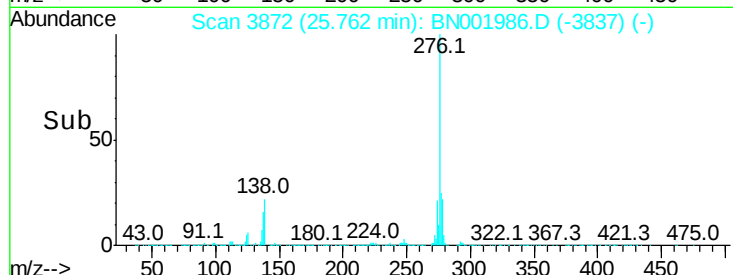
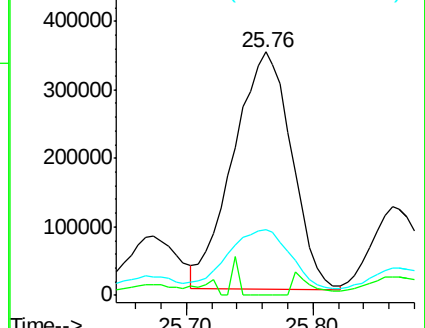
279 26.9 19.1 28.7



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



#91

Benzo(g,h,i)perylene

Concen: 33.808 ng/ul

RT: 26.44 min Scan# 3988

Delta R.T. 0.02 min

Lab File: BN001986.D

Acq: 06 Jul 2018 12:52

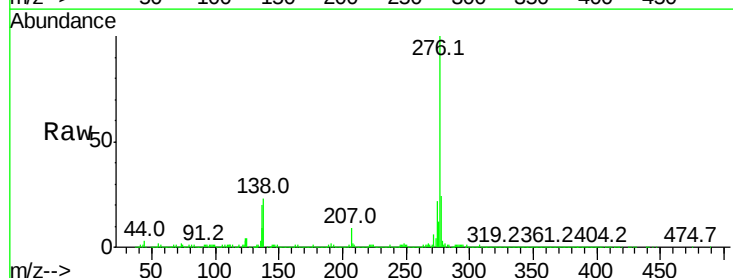
Tgt Ion:276 Resp: 3733038

Ion Ratio Lower Upper

276 100

138 23.3 11.2 16.8#

277 24.4 19.0 28.6



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

