

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
 Data File : BN010031.D
 Acq On : 29 Feb 2020 19:00
 Operator : CG/JU
 Sample : L1615-08
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 02 05:56:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Feb 29 01:38:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	74377	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	307268	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	195939	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	411975	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	369533	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	404507	20.00	ng/ul	0.00

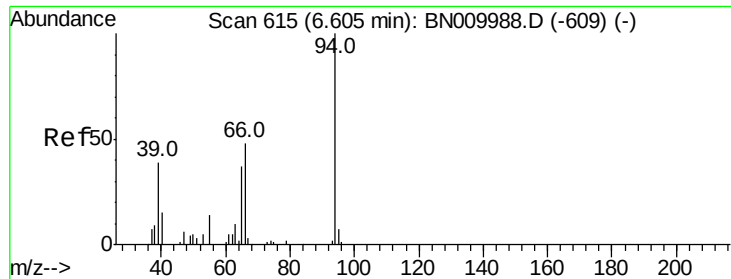
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	2967	1.64	ng/uL	0.00
5) Phenol-d5	6.59	99	74253	11.74	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.73	67	50737	11.62	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	57752	12.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.10	113	60713	12.06	ng/ul	0.01
19) Nitrobenzene-d5	8.52	128	26278	11.69	ng/ul	0.00
22) 2-Nitrophenol-d4	9.24	143	29366	11.94	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.79	165	57033	12.06	ng/ul	0.02
29) 4-Chloroaniline-d4	10.31	131	18858	3.55	ng/ul	0.04
44) Dimethylphthalate-d6	13.45	166	189228	12.93	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	223288	12.95	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	21095	7.89	ng/ul	0.04
58) Fluorene-d10	15.02	176	165144	13.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	15649	6.11	ng/ul	0.02
71) Anthracene-d10	16.87	188	265406	14.05	ng/ul	0.00
79) Pyrene-d10	19.19	212	288079	14.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	279022	13.81	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.62	94	8242	1.216	ng/ul#	69
14) Acetophenone	8.20	105	12883	1.571	ng/ul	94
45) Dimethylphthalate	13.49	163	38118	2.496	ng/ul	99
48) Acenaphthylene	13.73	152	150602	8.072	ng/ul	98
50) Acenaphthene	14.08	153	14071	1.100	ng/ul#	88
59) Fluorene	15.08	166	39482	2.621	ng/ul	99
70) Phenanthrene	16.82	178	809135	34.414	ng/ul	99
72) Anthracene	16.91	178	1125691	46.835	ng/ul	99
75) Carbazole	17.19	167	53076	2.508	ng/ul#	93
77) Fluoranthene	18.86	202	4678706	169.885	ng/ul	98
80) Pyrene	19.22	202	6306985	236.734	ng/ul	99
83) Benzo(a)anthracene	20.99	228	2031248	79.987	ng/ul	97
85) Chrysene	20.99	228	2031248	81.248	ng/ul	98
88) Benzo(b)fluoranthene	22.49	252	3129060	119.308	ng/ul	98
89) Benzo(k)fluoranthene	22.49	252	3129060	126.002	ng/ul	99
91) Benzo(a)pyrene	23.01	252	1418051	60.116	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.13	276	621876	22.205	ng/ul	94
93) Dibenzo(a,h)anthracene	25.13	278	180679	7.542	ng/ul#	76
94) Benzo(g,h,i)perylene	25.75	276	354415	15.093	ng/ul	98

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



#6

Phenol

Concen: 1.216 ng/ul

RT: 6.62 min Scan# 617

Delta R.T. 0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampleId :

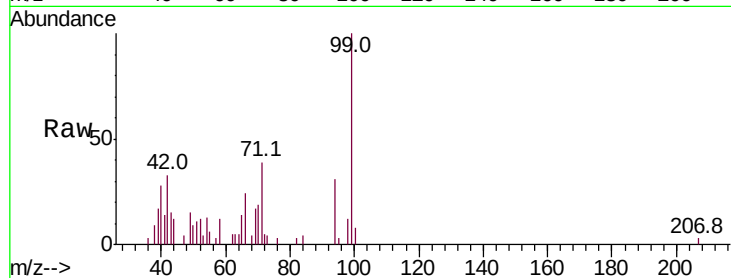
Tot Ion: 94 Resp: 8242

Ion Ratio Lower Upper

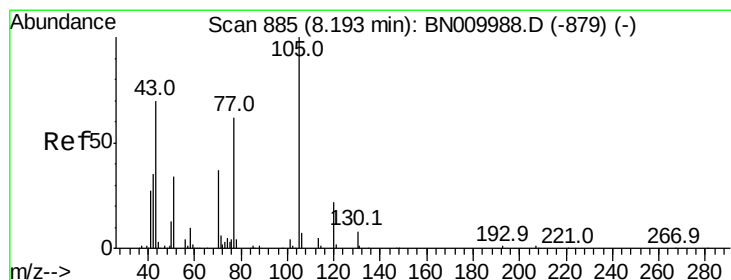
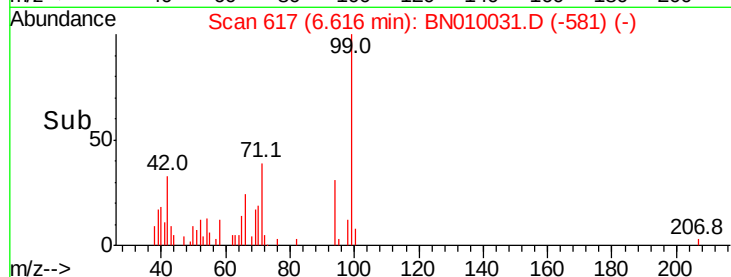
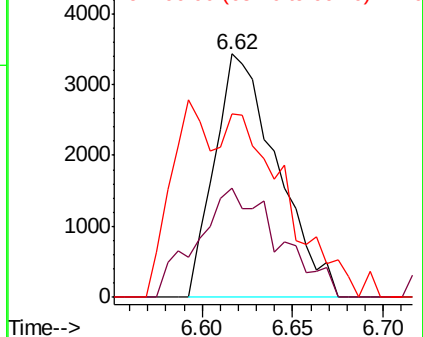
94 100

65 44.7 27.6 41.4#

66 75.6 38.5 57.7#



Abundance Ion 94.00 (93.70 to 94.70): BN0
Ion 65.00 (64.70 to 65.70): BN0
Ion 66.00 (65.70 to 66.70): BN0



#14

Acetophenone

Concen: 1.571 ng/ul

RT: 8.20 min Scan# 887

Delta R.T. 0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

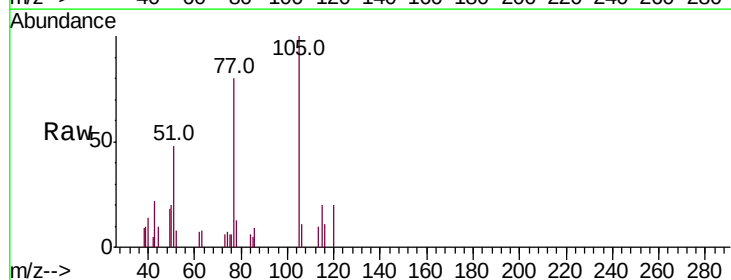
Tgt Ion: 105 Resp: 12883

Ion Ratio Lower Upper

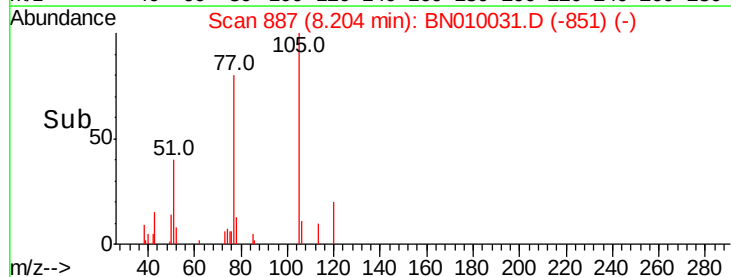
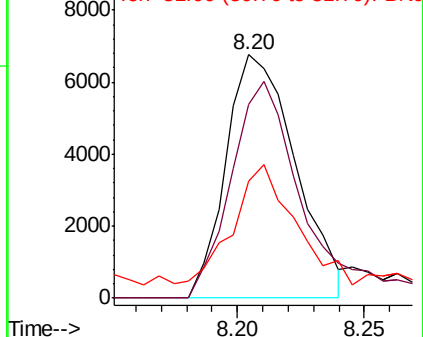
105 100

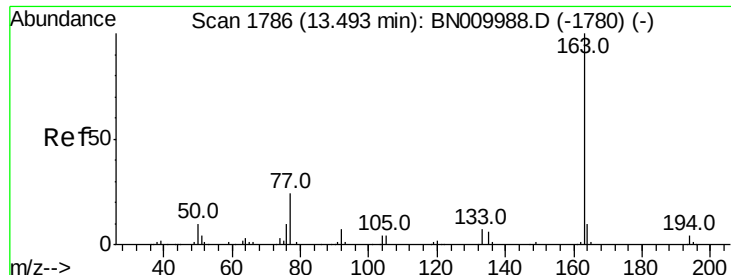
77 79.8 68.9 103.3

51 48.1 35.6 53.4



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BN0
Ion 51.00 (50.70 to 51.70): BN0





#45

Dimethylphthalate

Concen: 2.496 ng/ul

RT: 13.49 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampleId :

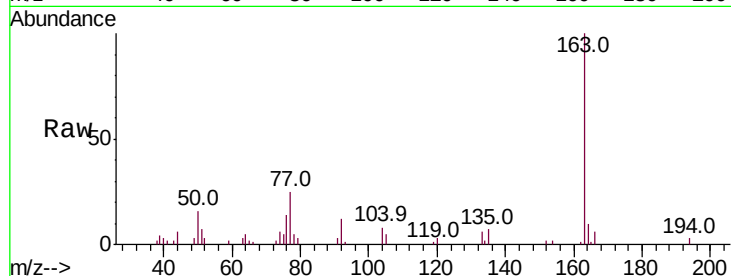
Tot Ion:163 Resp: 38118

Ion Ratio Lower Upper

163 100

194 3.4 3.4 5.0

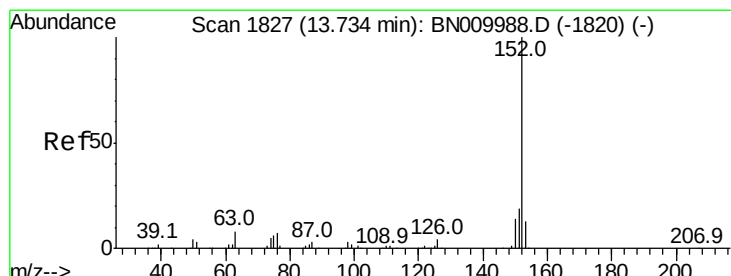
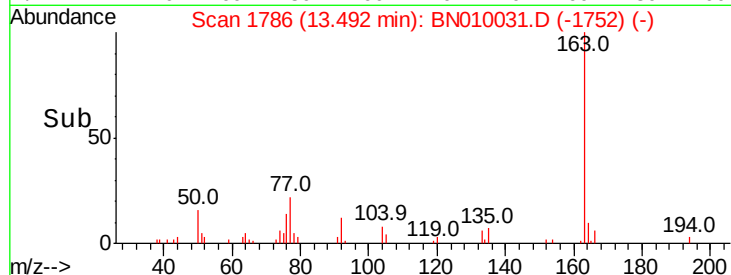
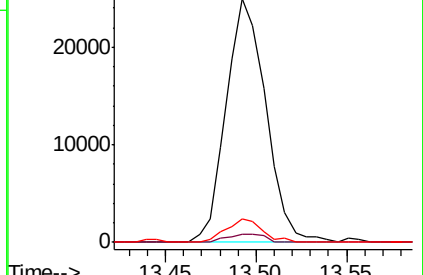
164 9.8 8.0 12.0



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



#48

Acenaphthylene

Concen: 8.072 ng/ul

RT: 13.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

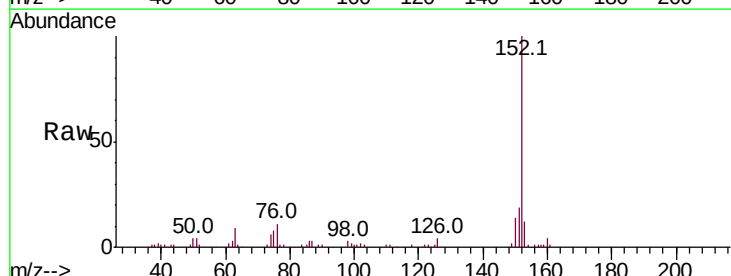
Tgt Ion:152 Resp: 150602

Ion Ratio Lower Upper

152 100

151 18.9 15.7 23.5

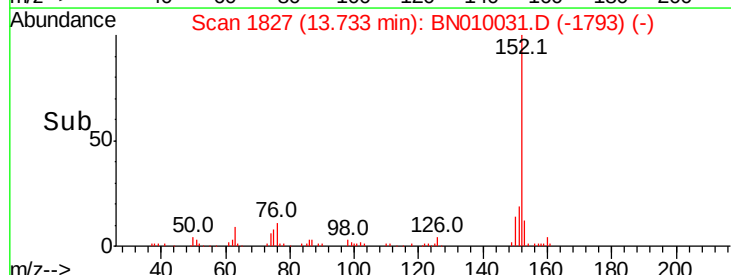
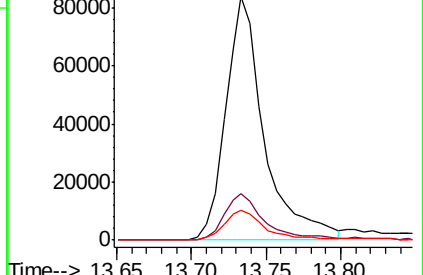
153 12.3 10.3 15.5

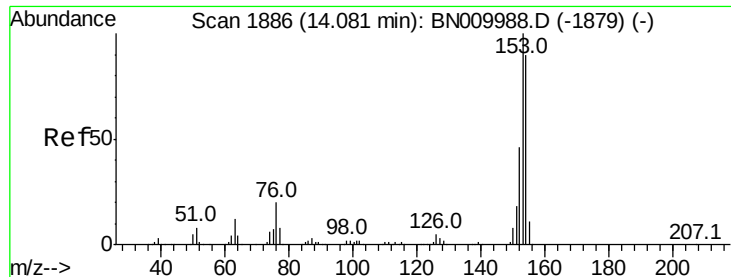


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 1.100 ng/ul

RT: 14.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampled :

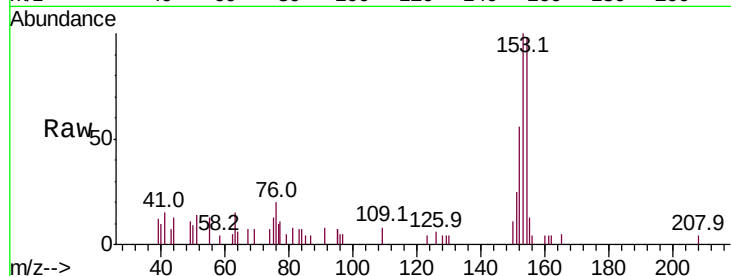
Tot Ion:153 Resp: 14071

Ion Ratio Lower Upper

153 100

152 56.4 36.6 54.8#

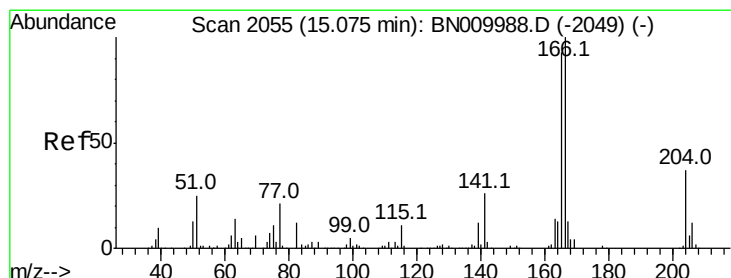
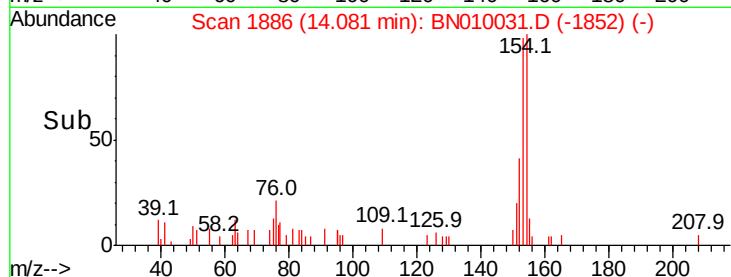
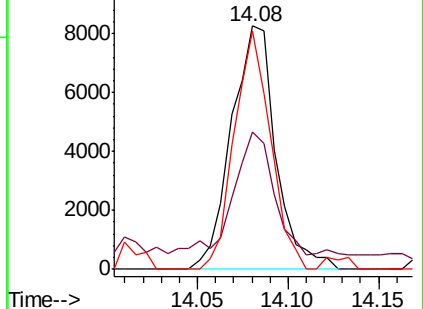
154 98.1 70.6 106.0



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



#59

Fluorene

Concen: 2.621 ng/ul

RT: 15.08 min Scan# 2056

Delta R.T. 0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

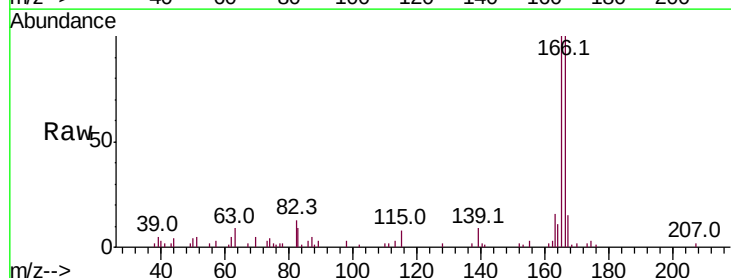
Tgt Ion:166 Resp: 39482

Ion Ratio Lower Upper

166 100

165 99.7 79.8 119.8

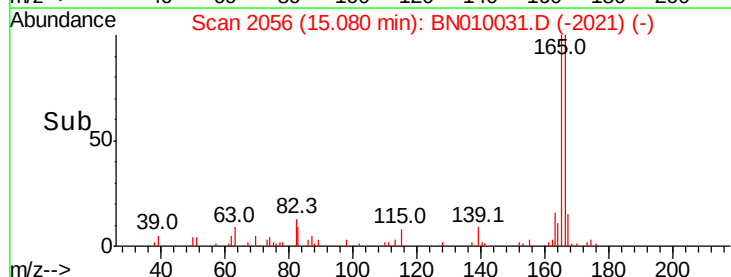
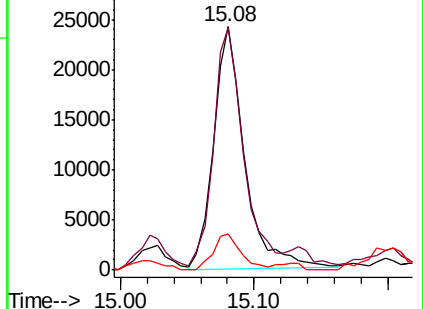
167 15.0 10.7 16.1

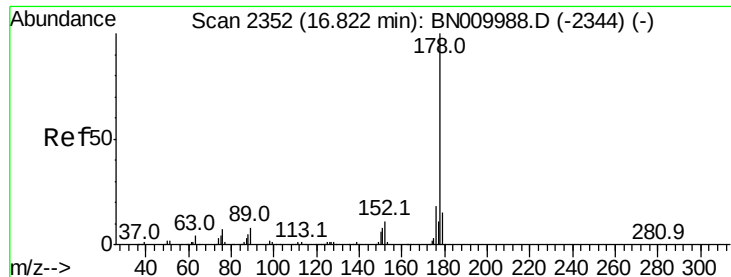


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 34.414 ng/ul

RT: 16.82 min Scan# 2351

Delta R.T. -0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampleId :

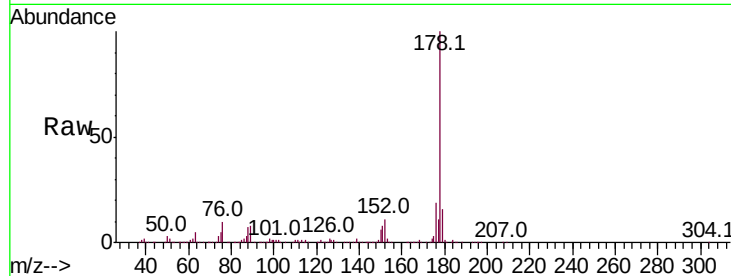
Tot Ion:178 Resp: 809135

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

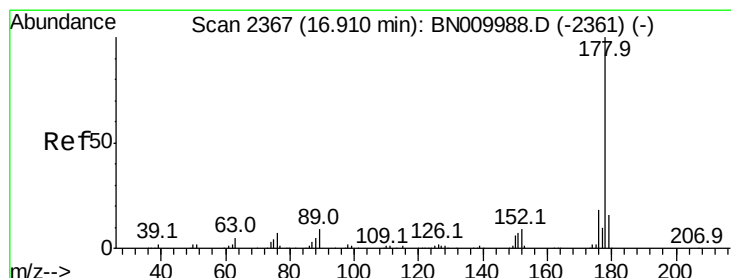
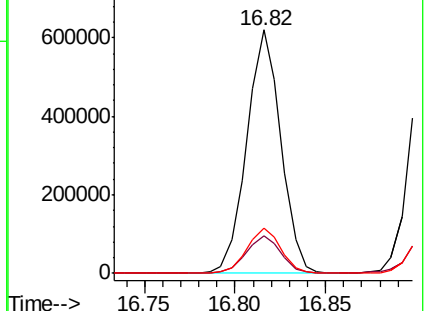
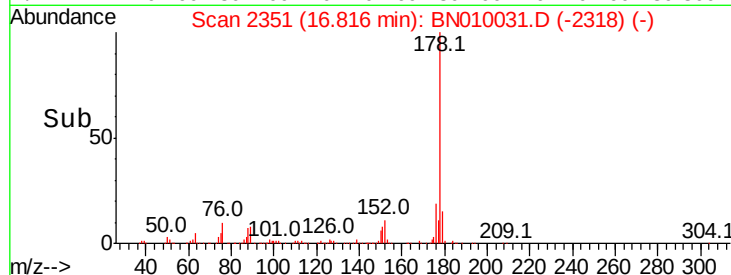
176 18.8 14.6 22.0



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



#72

Anthracene

Concen: 46.835 ng/ul

RT: 16.91 min Scan# 2367

Delta R.T. -0.00 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

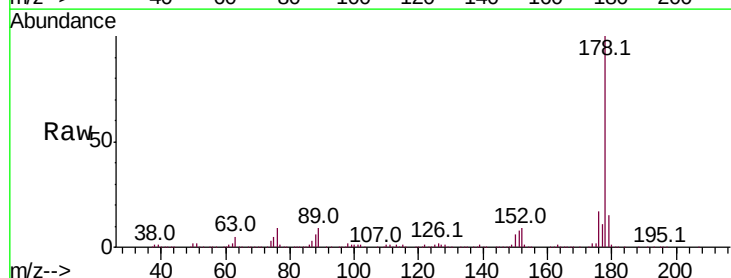
Tgt Ion:178 Resp: 1125691

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

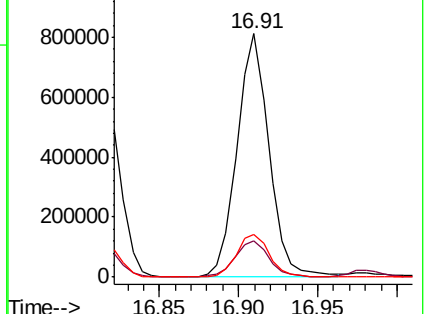
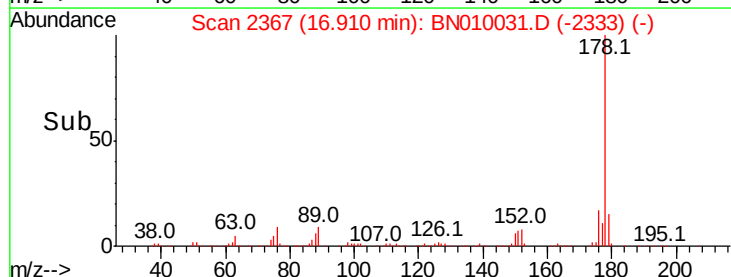
176 17.5 14.6 21.8

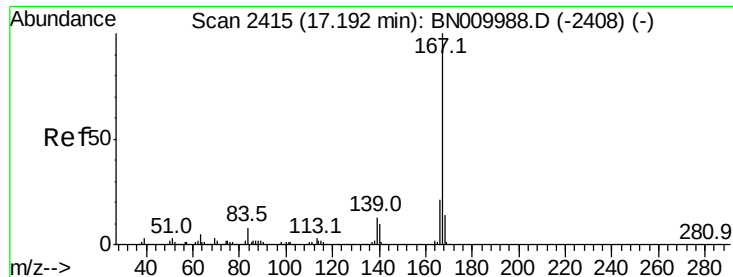


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.508 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampleId :

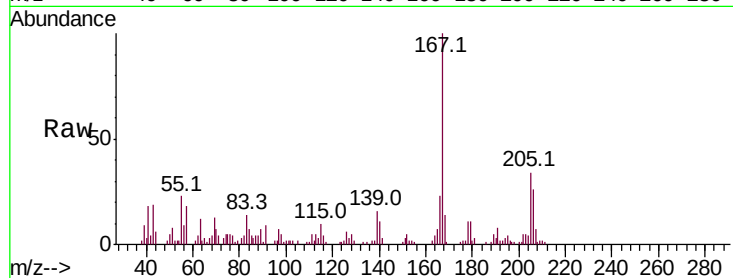
Tot Ion:167 Resp: 53076

Ion Ratio Lower Upper

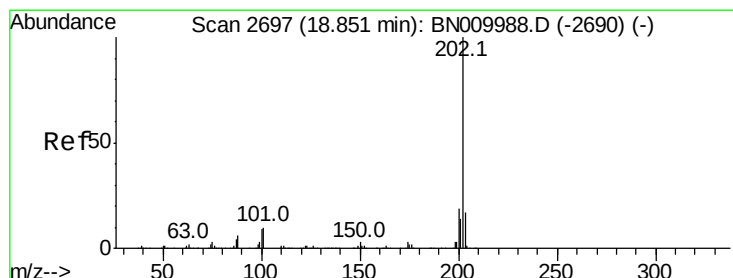
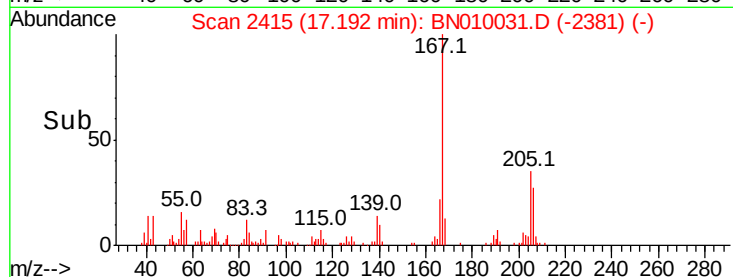
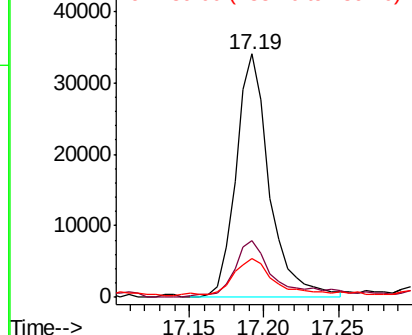
167 100

166 23.2 16.6 24.8

139 15.8 9.9 14.9#



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 169.885 ng/ul

RT: 18.86 min Scan# 2698

Delta R.T. 0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

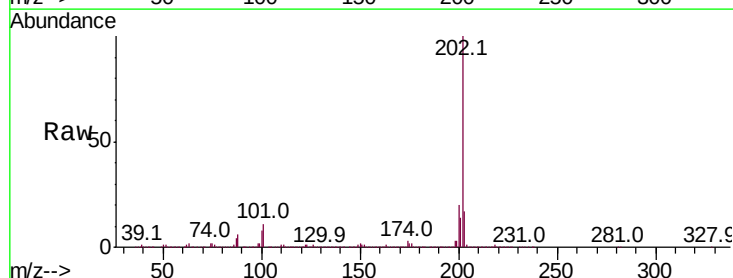
Tgt Ion:202 Resp: 4678706

Ion Ratio Lower Upper

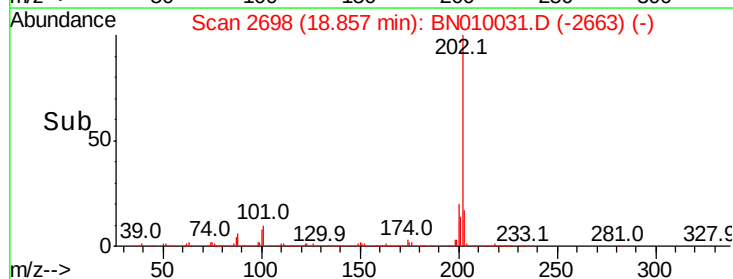
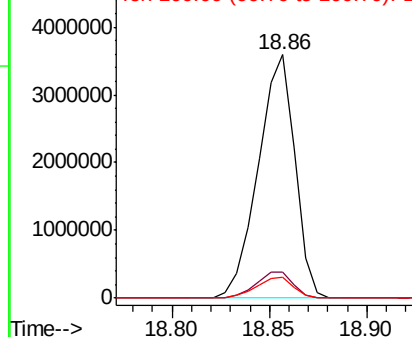
202 100

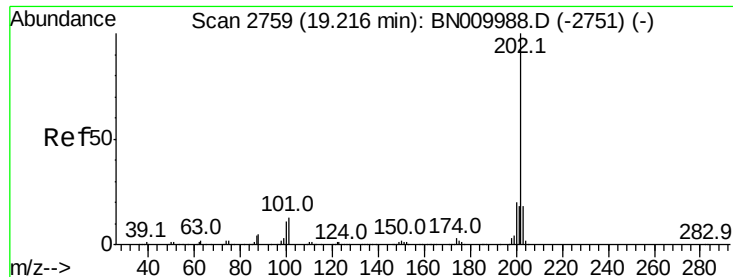
101 10.6 9.4 14.2

100 8.4 7.2 10.8



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

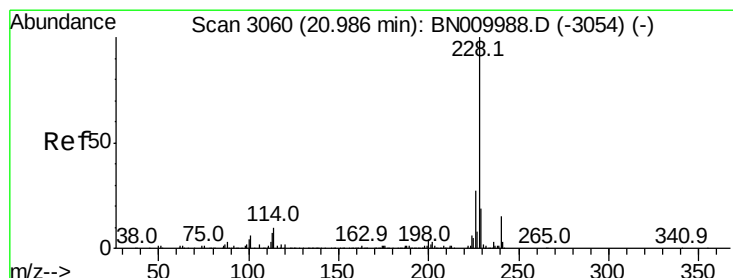
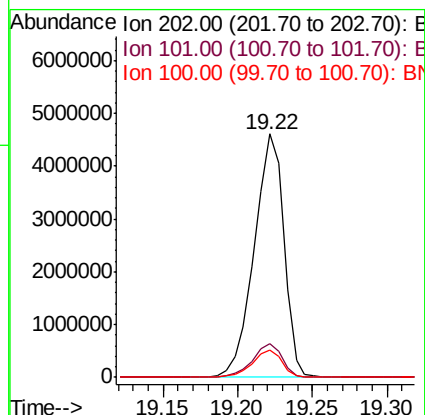
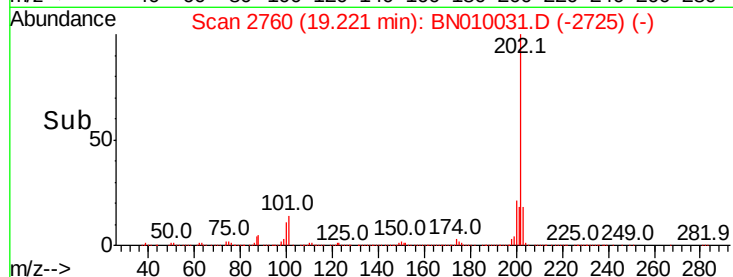
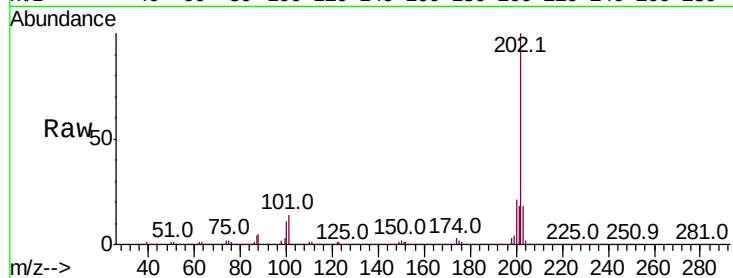




#80
Pvrene
Concen: 236.734 ng/ul
RT: 19.22 min Scan# 2760
Delta R.T. 0.01 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

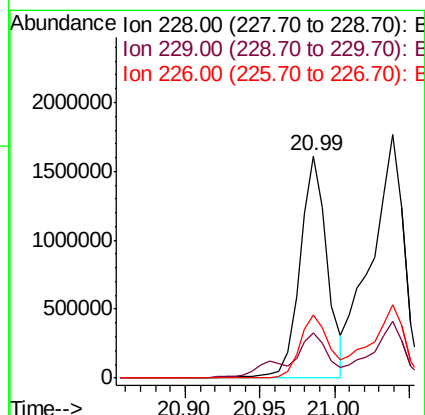
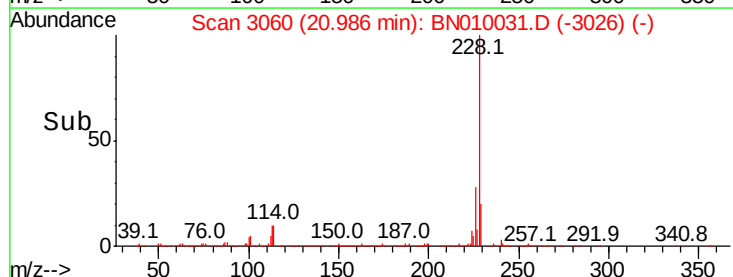
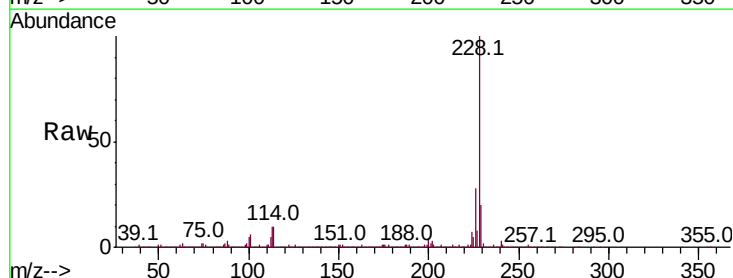
Instrument :
BNA_N
ClientSampleId :

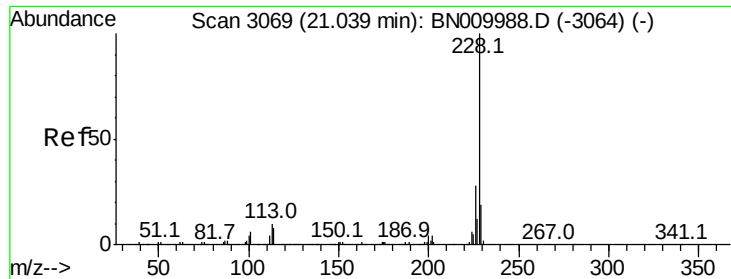
Tot Ion:202 Resp: 6306985
Ion Ratio Lower Upper
202 100
101 13.8 11.3 16.9
100 11.4 9.0 13.6



#83
Benzo(a)anthracene
Concen: 79.987 ng/ul
RT: 20.99 min Scan# 3060
Delta R.T. -0.00 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Tgt Ion:228 Resp: 2031248
Ion Ratio Lower Upper
228 100
229 20.2 15.0 22.4
226 28.4 21.4 32.2





#85

Chrysene

Concen: 81.248 ng/ul

RT: 20.99 min Scan# 3060

Delta R.T. -0.05 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampled :

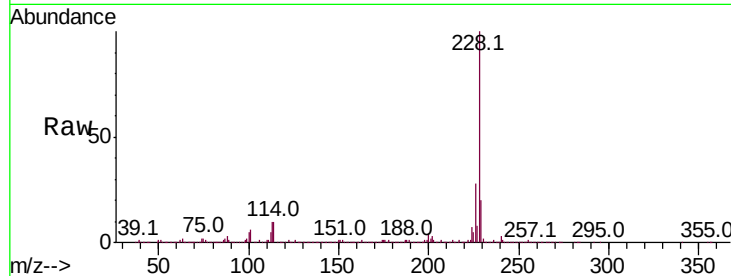
Tot Ion:228 Resp: 2031248

Ion Ratio Lower Upper

228 100

226 28.4 23.4 35.2

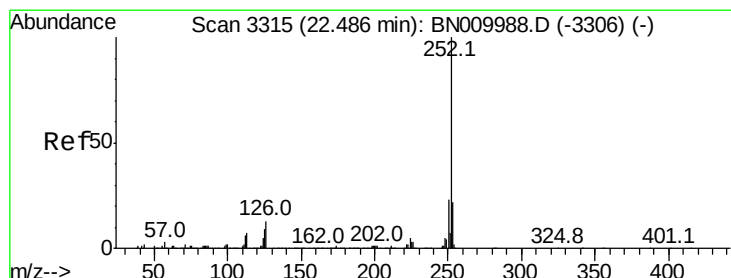
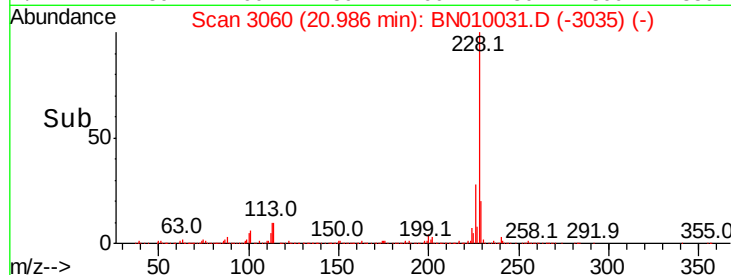
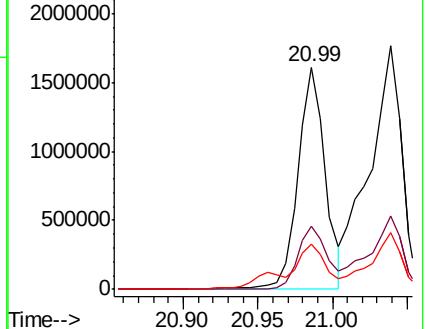
229 20.2 15.0 22.4



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



#88

Benzo(b)fluoranthene

Concen: 119.308 ng/ul

RT: 22.49 min Scan# 3316

Delta R.T. 0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

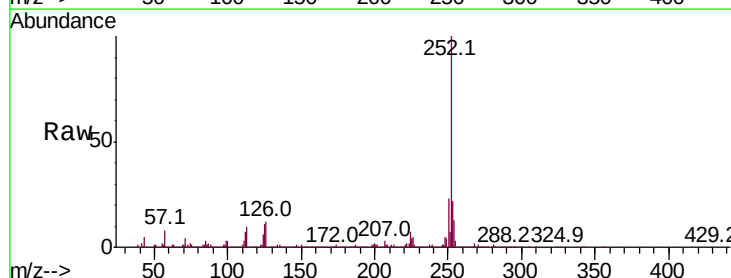
Tgt Ion:252 Resp: 3129060

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

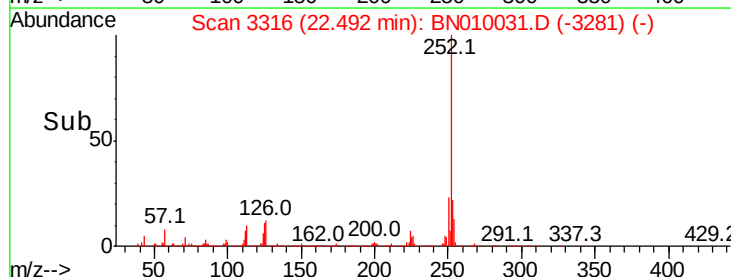
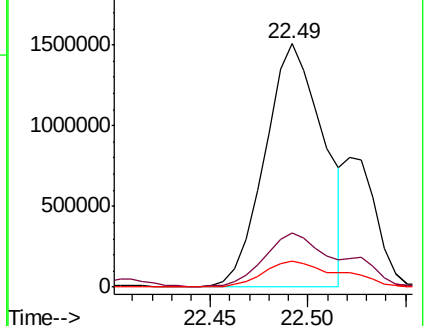
125 10.7 8.0 12.0

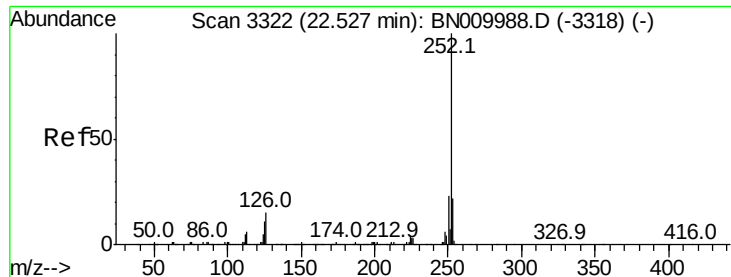


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 126.002 ng/ul

RT: 22.49 min Scan# 3316

Delta R.T. -0.04 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampleId :

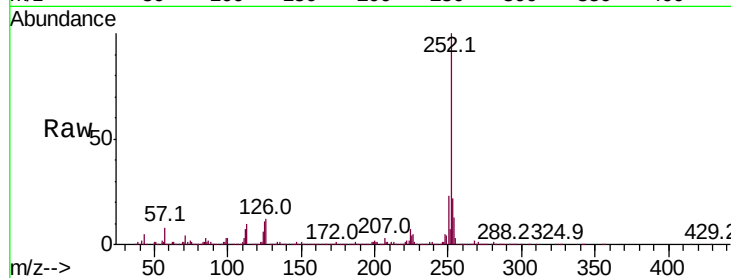
Tot Ion:252 Resp: 3129060

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

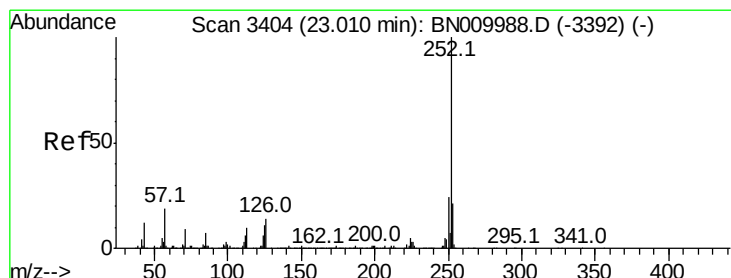
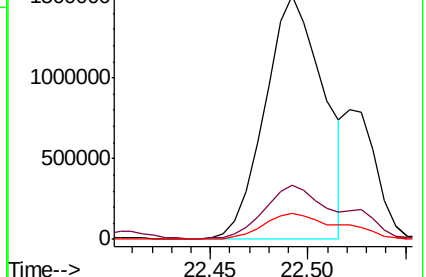
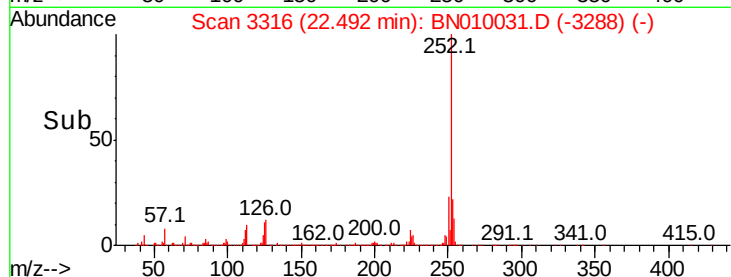
125 10.7 8.2 12.2



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



#91

Benzo(a)pyrene

Concen: 60.116 ng/ul

RT: 23.01 min Scan# 3404

Delta R.T. -0.00 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

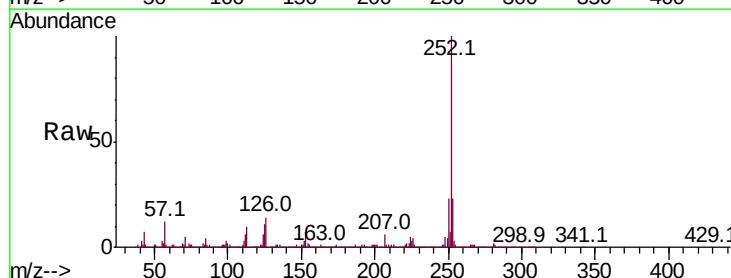
Tgt Ion:252 Resp: 1418051

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

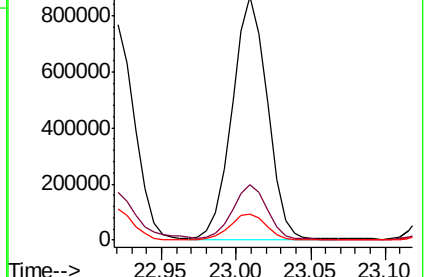
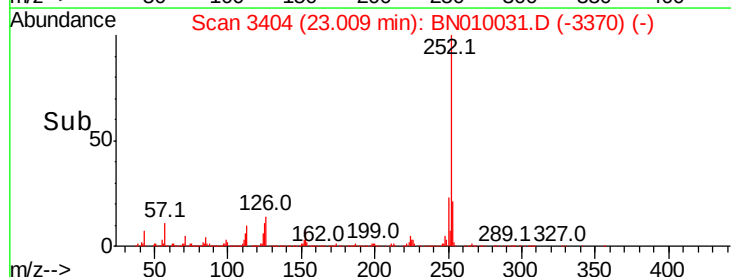
125 10.8 9.0 13.6

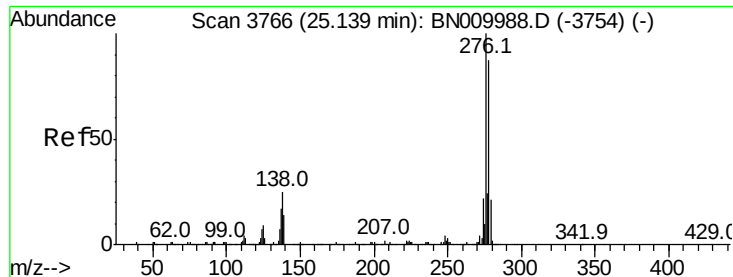


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



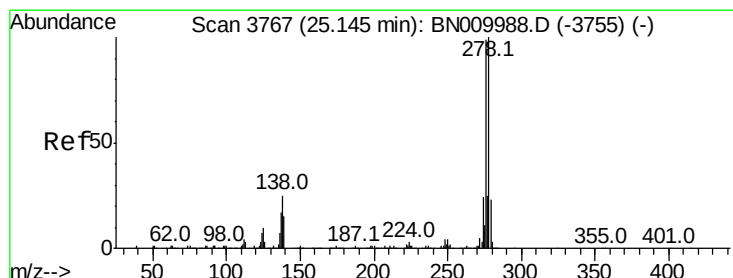
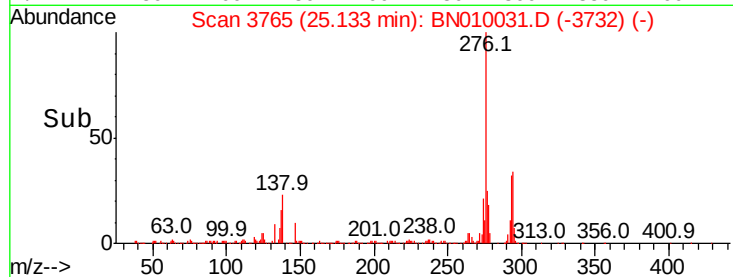
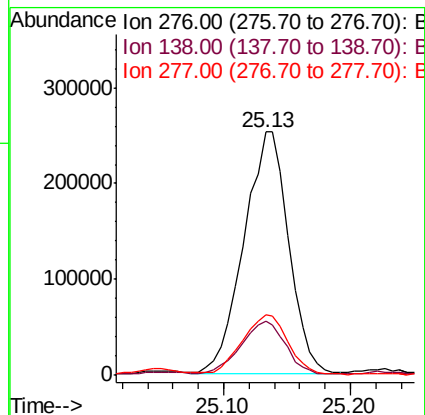
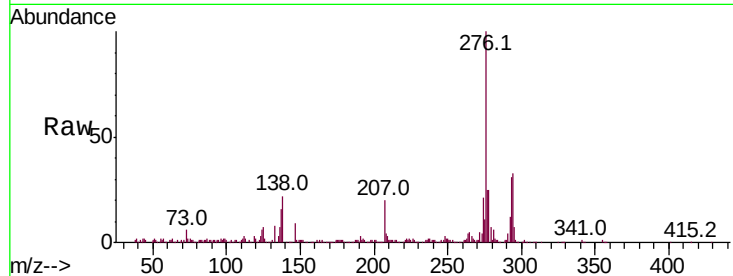


#92

Indeno(1,2,3-cd)pyrene
Concen: 22.205 ng/ul
RT: 25.13 min Scan# 3765
Delta R.T. -0.01 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Instrument :
BNA_N
ClientSampleId :

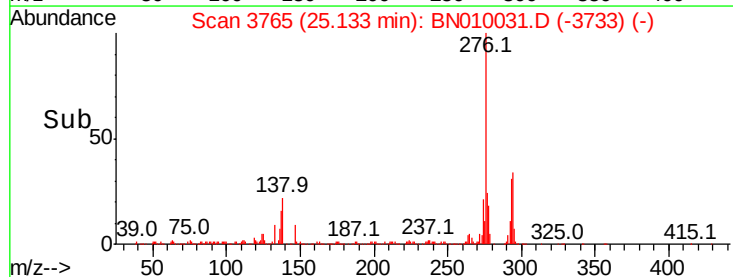
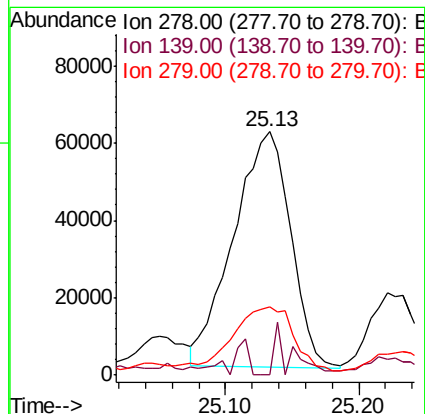
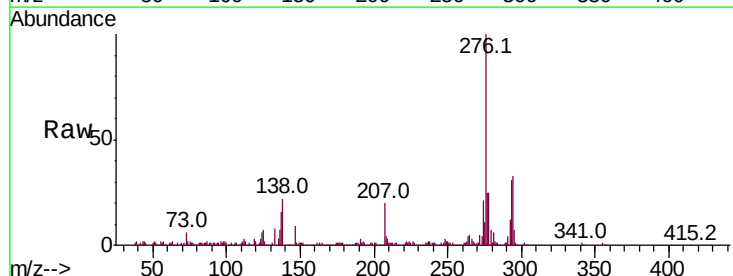
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.9	31.3
277	24.7	18.2	27.4

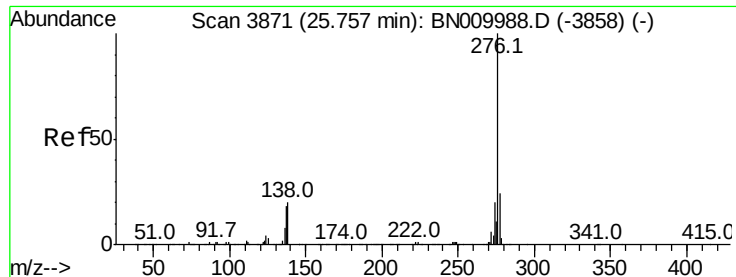


#93

Dibenzo(a,h)anthracene
Concen: 7.542 ng/ul
RT: 25.13 min Scan# 3765
Delta R.T. -0.01 min
Lab File: BN010031.D
Acq: 29 Feb 2020 19:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	28.2	17.5	26.3#





#94

Benzo(a,h,i)perylene

Concen: 15.093 ng/ul

RT: 25.75 min Scan# 3870

Delta R.T. -0.01 min

Lab File: BN010031.D

Acq: 29 Feb 2020 19:00

Instrument :

BNA_N

ClientSampleId :

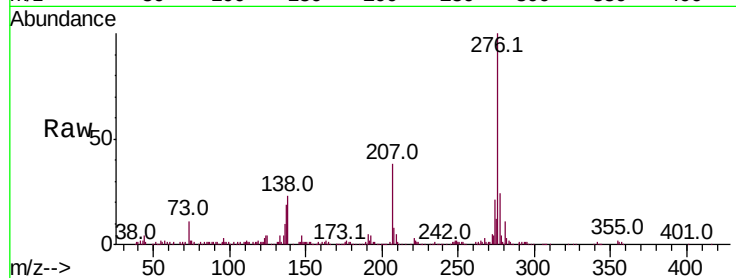
Tot Ion:276 Resp: 354415

Ion Ratio Lower Upper

276 100

138 22.7 17.5 26.3

277 23.9 18.1 27.1



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

