

Data File : BN010051.D
Acq On : 02 Mar 2020 21:51
Operator : CG/JU
Sample : L1619-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DBDW0

Quant Time: Mar 03 01:08:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 03 01:05:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	92186	20.00	ng/ul	0.00
18) Naphthalene-d8	10.11	136	405409	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.00	164	262298	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	528361	20.00	ng/ul	0.00
78) Chrysene-d12	20.99	240	487228	20.00	ng/ul	0.00
86) Perylene-d12	23.08	264	478497	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.03	96	3467	1.55	ng/uL	0.02
5) Phenol-d5	6.58	99	60997	7.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.73	67	45612	8.43	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	49709	8.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.09	113	47217	7.57	ng/ul	0.00
19) Nitrobenzene-d5	8.52	128	24053	8.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	27058	8.34	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.78	165	46202	7.41	ng/ul	0.02
29) 4-Chloroaniline-d4	10.28	131	55048	7.85	ng/ul	0.01
44) Dimethylphthalate-d6	13.43	166	174573	8.91	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	202180	8.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	10703	2.99	ng/ul	0.04
58) Fluorene-d10	15.02	176	151909	8.98	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	13639	4.16	ng/ul	0.01
71) Anthracene-d10	16.87	188	223076	9.21	ng/ul	0.00
79) Pyrene-d10	19.17	212	247733	9.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.95	264	226483	9.48	ng/ul	0.00

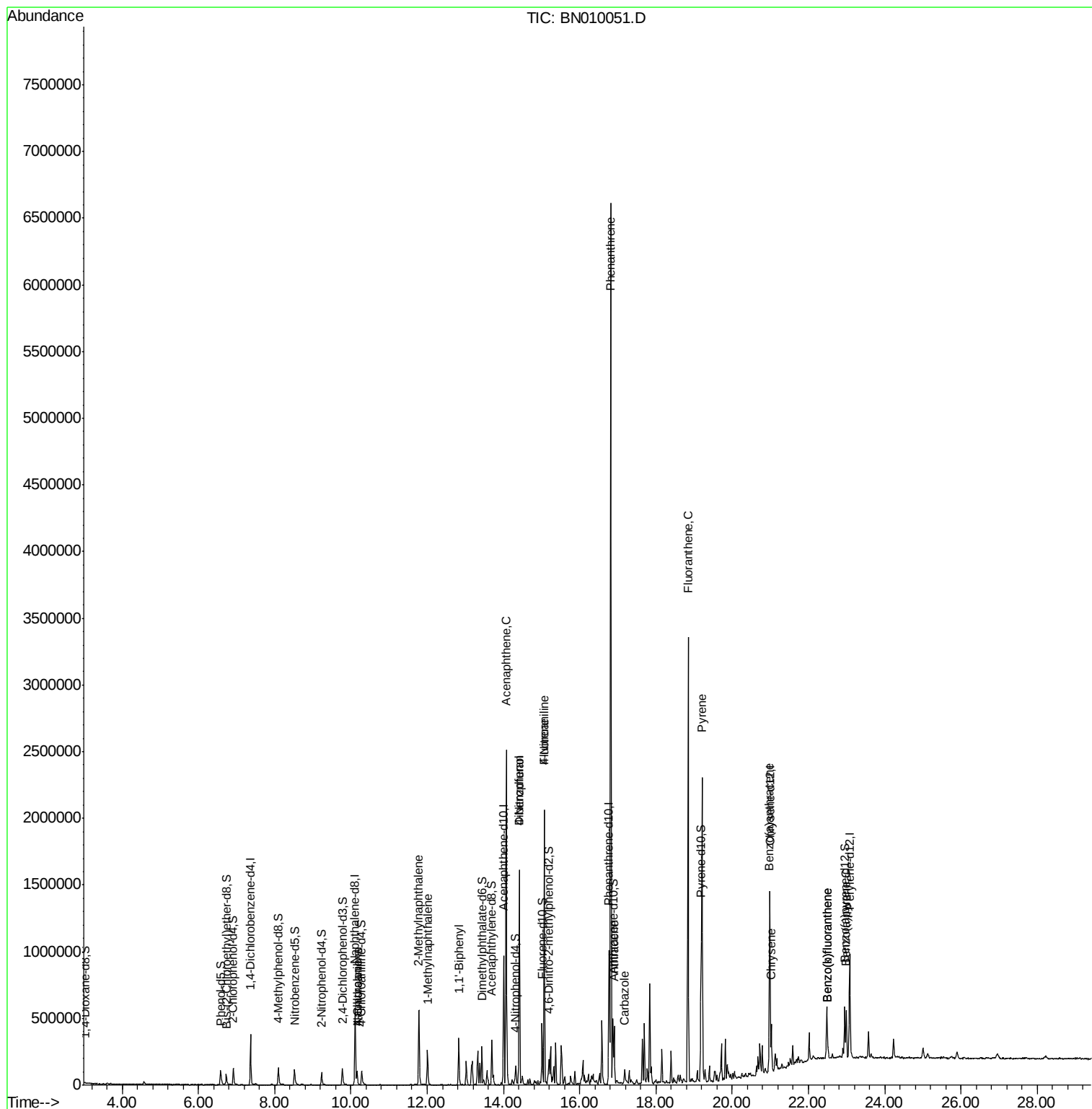
Target Compounds					Qvalue
28) Naphthalene	10.16	128	75479	3.453 ng/ul	98
30) 4-Chloroaniline	10.16	127	10132	1.412 ng/ul#	4
34) 2-Methylnaphthalene	11.79	142	268454	17.684 ng/ul	91
35) 1-Methylnaphthalene	12.01	142	116511	7.657 ng/uL	99
41) 1,1'-Biphenyl	12.83	154	171105	8.493 ng/ul	98
50) Acenaphthene	14.07	153	903752	52.786 ng/ul	99
53) 4-Nitrophenol	14.42	109	4110	1.273 ng/ul#	1
54) Dibenzofuran	14.42	168	907485	37.763 ng/ul	94
59) Fluorene	15.07	166	798770	39.607 ng/ul	96
61) 4-Nitroaniline	15.07	138	9449	2.097 ng/ul#	11
70) Phenanthrene	16.82	178	3531582	117.120 ng/ul	99
72) Anthracene	16.90	178	259644	8.423 ng/ul	100
75) Carbazole	17.19	167	51897	1.912 ng/ul	99
77) Fluoranthene	18.85	202	1983666	56.161 ng/ul	97
80) Pyrene	19.20	202	1268330	36.107 ng/ul	99
83) Benzo(a)anthracene	20.97	228	244709	7.309 ng/ul	98
85) Chrysene	21.02	228	190823	5.789 ng/ul	95
88) Benzo(b)fluoranthene	22.51	252	41912	1.351 ng/ul	97
89) Benzo(k)fluoranthene	22.51	252	42898	1.460 ng/ul	98
91) Benzo(a)pyrene	22.99	252	66414	2.380 ng/ul#	94

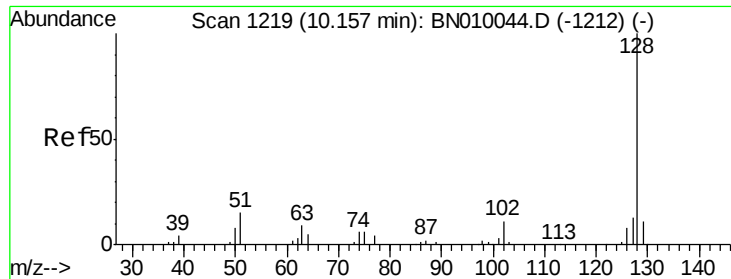
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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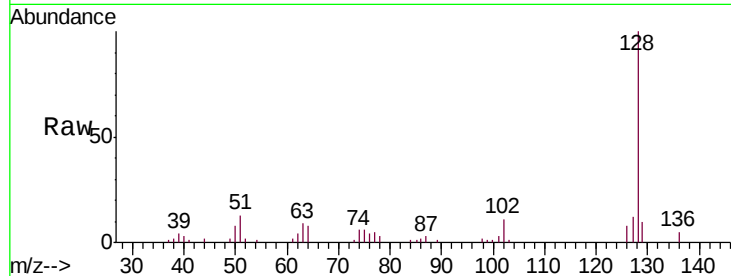




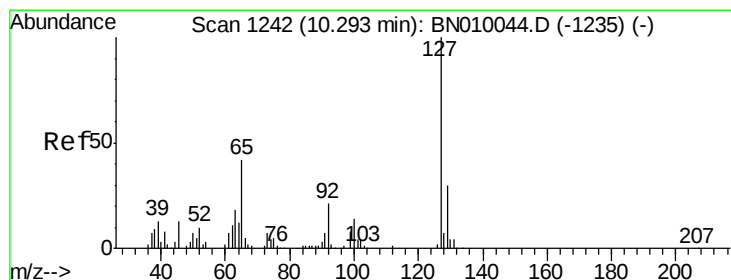
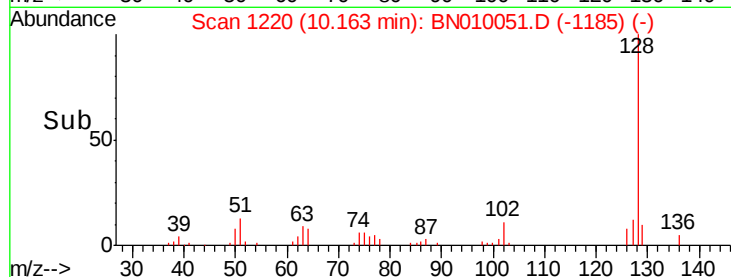
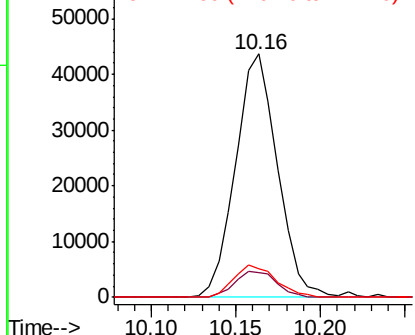
#28
Naphthalene
Concen: 3.453 ng/ul
RT: 10.16 min Scan# 1220
Delta R.T. 0.01 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Instrument :
BNA_N
ClientSampleId :
DBDW0

Tgt Ion:128 Resp: 75479
Ion Ratio Lower Upper
128 100
129 10.3 8.6 13.0
127 11.8 10.3 15.5

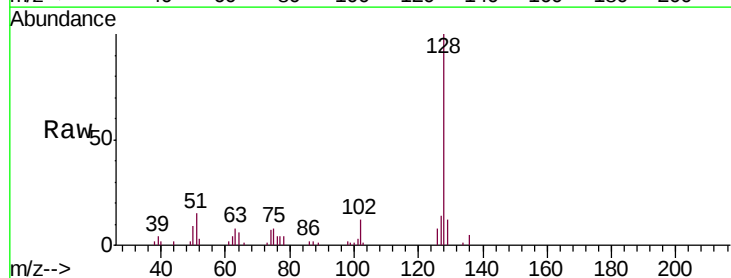


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

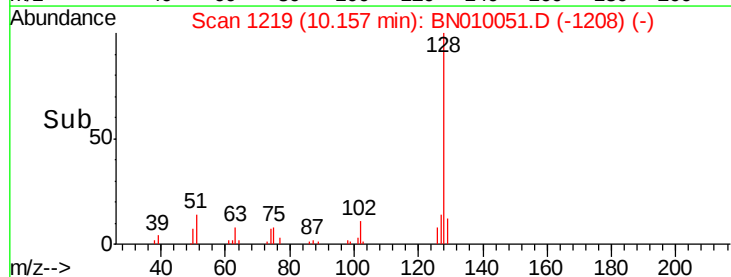
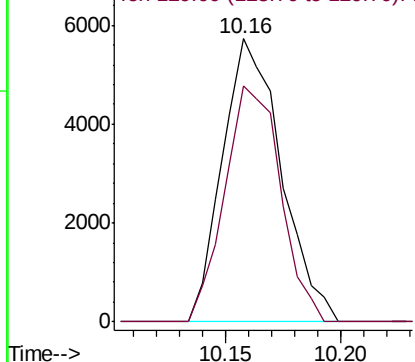


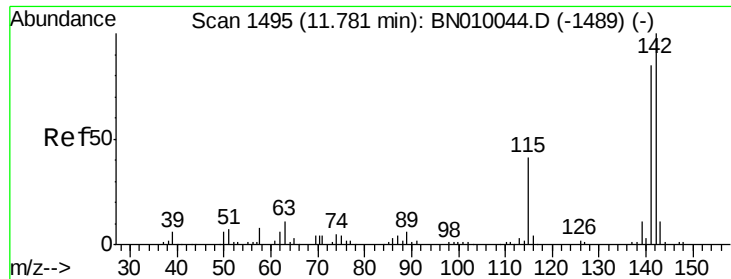
#30
4-Chloroaniline
Concen: 1.412 ng/ul
RT: 10.16 min Scan# 1219
Delta R.T. -0.14 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Tgt Ion:127 Resp: 10132
Ion Ratio Lower Upper
127 100
129 83.5 24.8 37.2#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

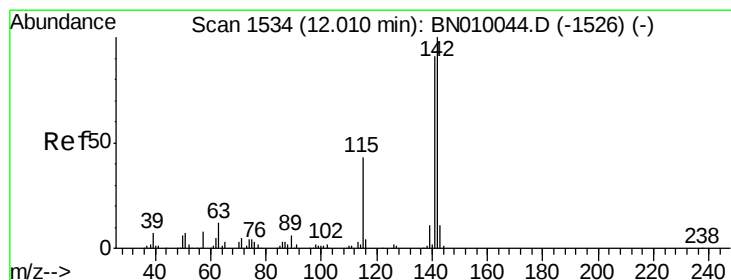
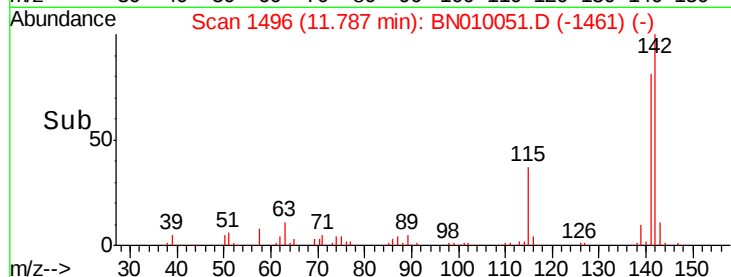
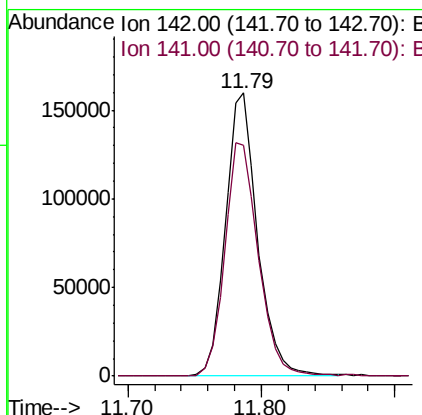
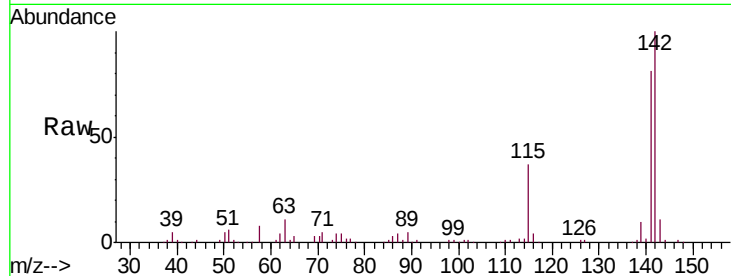




#34
 2-Methylnaphthalene
 Concen: 17.684 ng/uL
 RT: 11.79 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: BN010051.D
 Acq: 02 Mar 2020 21:51

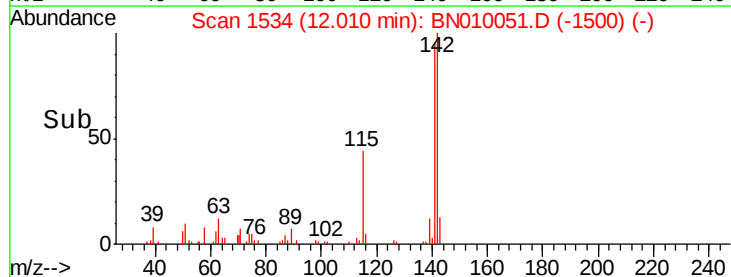
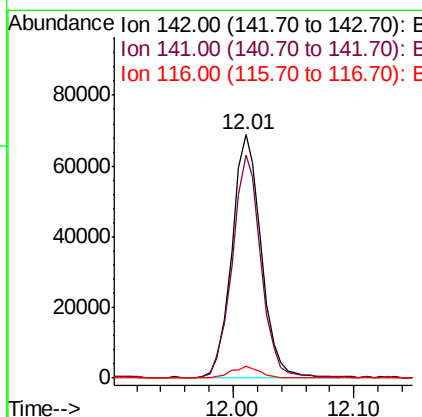
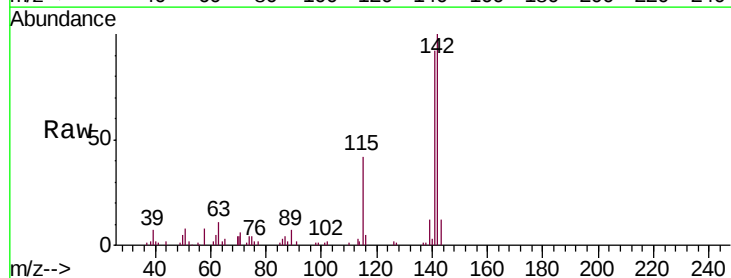
Instrument :
 BNA_N
 ClientSampleId :
 DBDW0

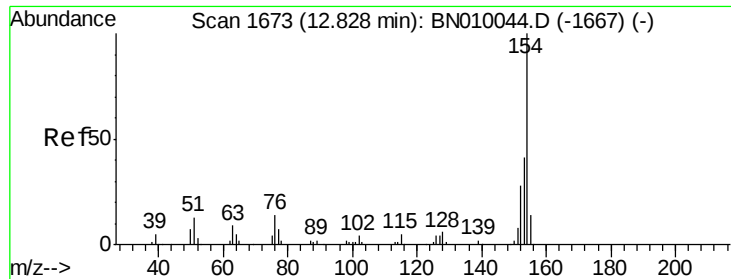
Tgt Ion:142 Resp: 268454
 Ion Ratio Lower Upper
 142 100
 141 81.4 72.1 108.1



#35
 1-Methylnaphthalene
 Concen: 7.657 ng/uL
 RT: 12.01 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: BN010051.D
 Acq: 02 Mar 2020 21:51

Tgt Ion:142 Resp: 116511
 Ion Ratio Lower Upper
 142 100
 141 90.3 72.8 109.2
 116 4.6 3.2 4.8





#41

1,1'-Biphenyl

Concen: 8.493 ng/ul

RT: 12.83 min Scan# 1673

Delta R.T. 0.00 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

Instrument :

BNA_N

ClientSampled :

DBDW0

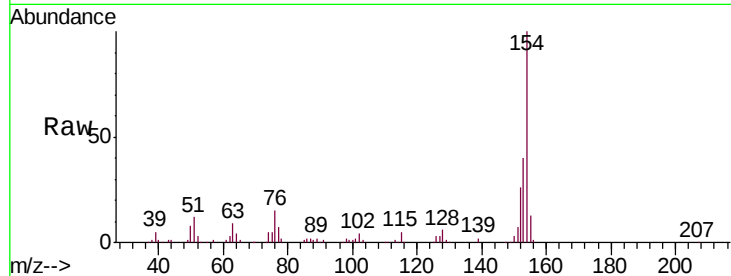
Tgt Ion:154 Resp: 171105

Ion Ratio Lower Upper

154 100

153 40.3 33.2 49.8

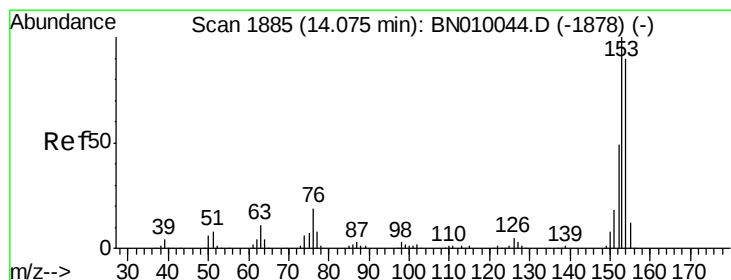
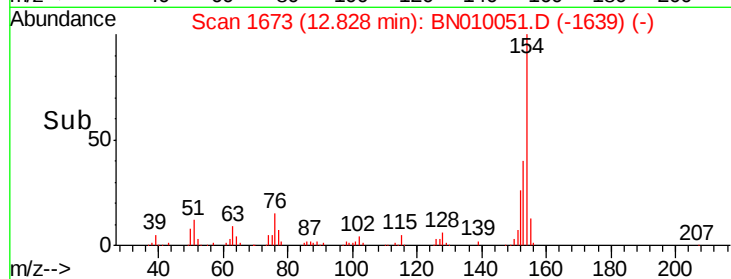
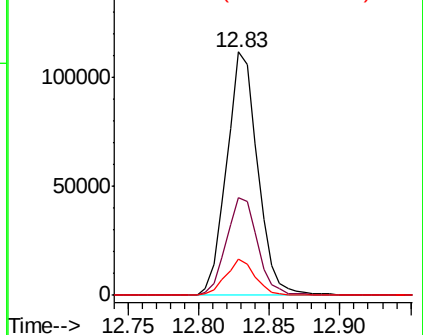
76 14.7 11.0 16.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNO



#50

Acenaphthene

Concen: 52.786 ng/ul

RT: 14.07 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

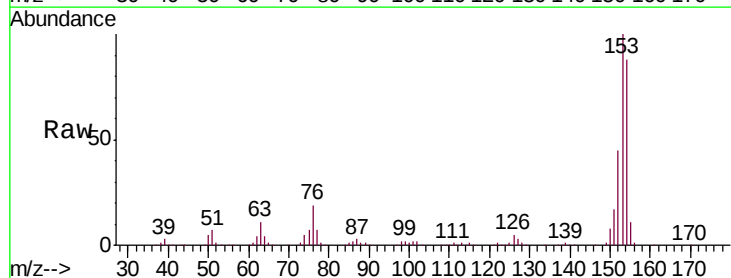
Tgt Ion:153 Resp: 903752

Ion Ratio Lower Upper

153 100

152 45.3 36.6 54.8

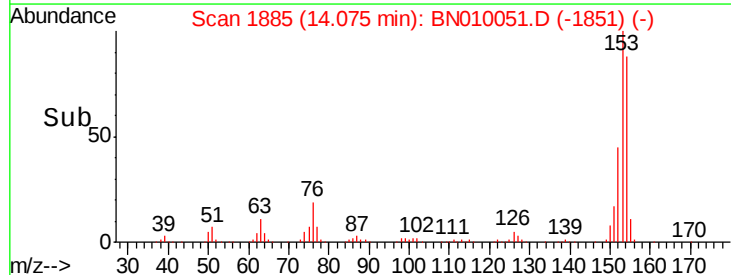
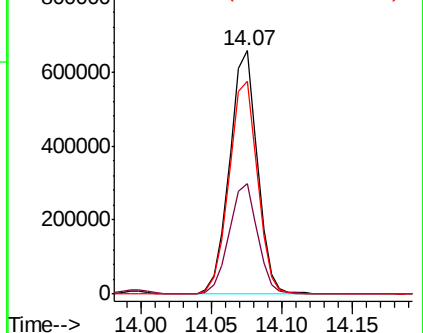
154 87.5 70.6 106.0

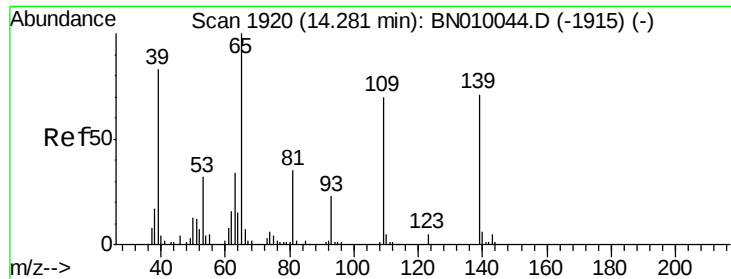


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

4-Nitrophenol

Concen: 1.273 ng/ul

RT: 14.42 min Scan# 1943

Delta R.T. 0.14 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

Instrument :

BNA_N

ClientSampleId :

DBDW0

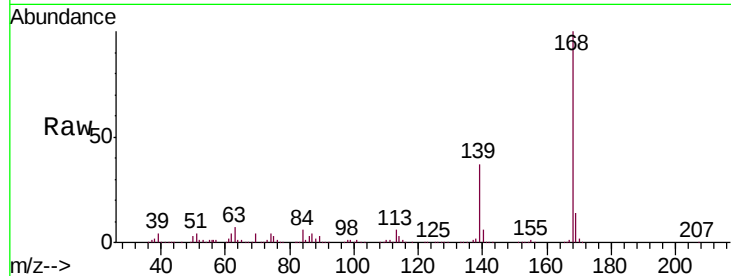
Tgt Ion:109 Resp: 4110

Ion Ratio Lower Upper

109 100

139 8033.6 96.3 144.5#

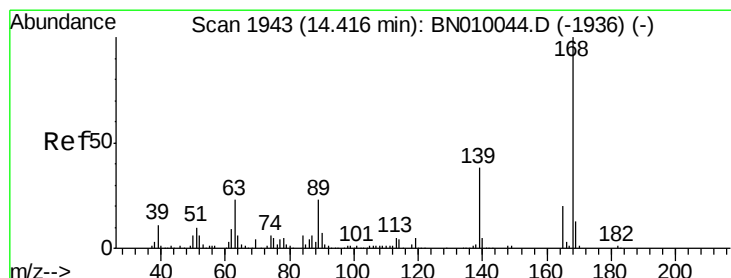
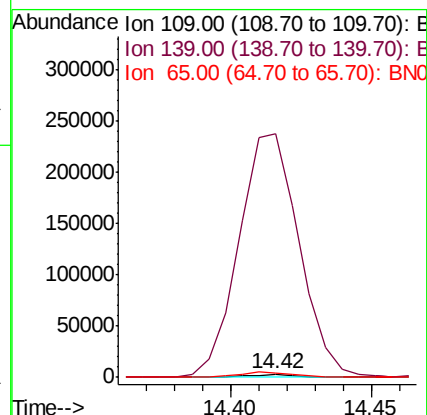
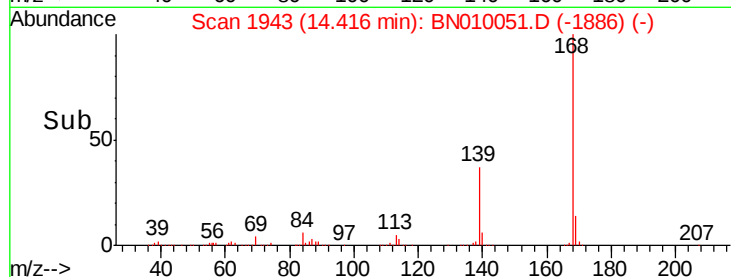
65 146.2 129.9 194.9



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO



#54

Dibenzofuran

Concen: 37.763 ng/ul

RT: 14.42 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BN010051.D

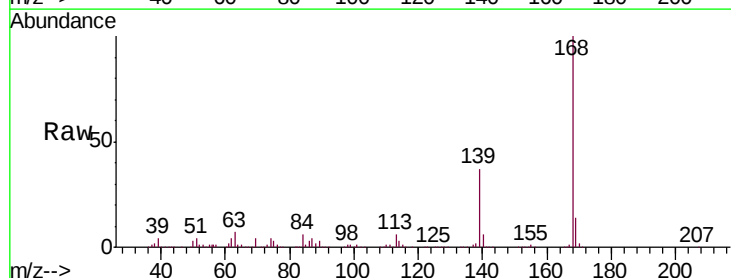
Acq: 02 Mar 2020 21:51

Tgt Ion:168 Resp: 907485

Ion Ratio Lower Upper

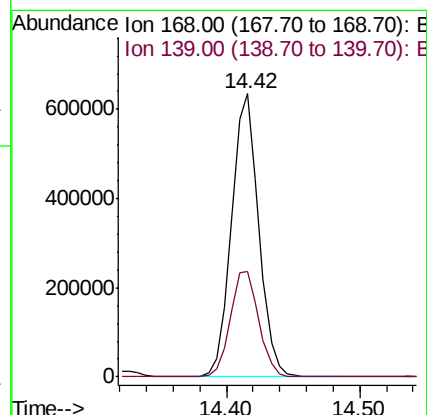
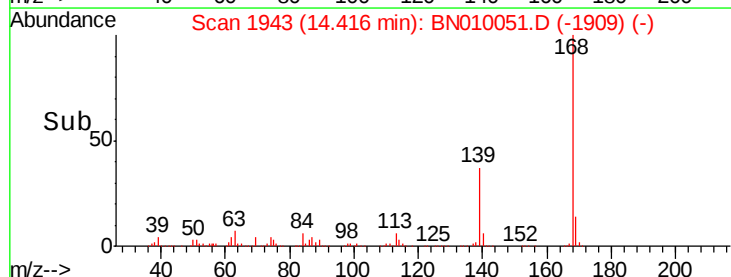
168 100

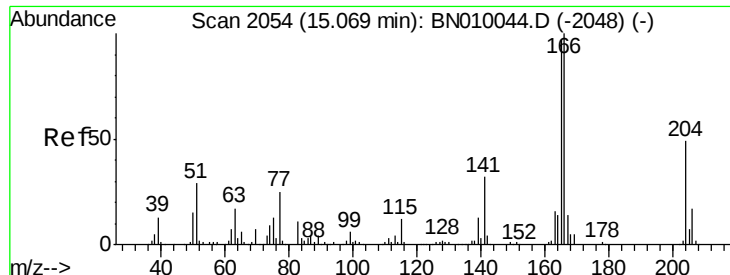
139 37.4 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 39.607 ng/ul

RT: 15.07 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

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BNA_N

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DBDW0

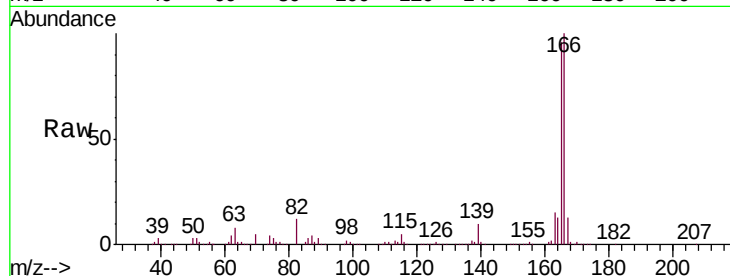
Tgt Ion:166 Resp: 798770

Ion Ratio Lower Upper

166 100

165 95.8 79.8 119.8

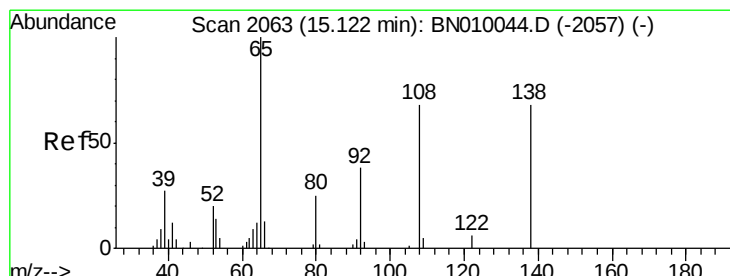
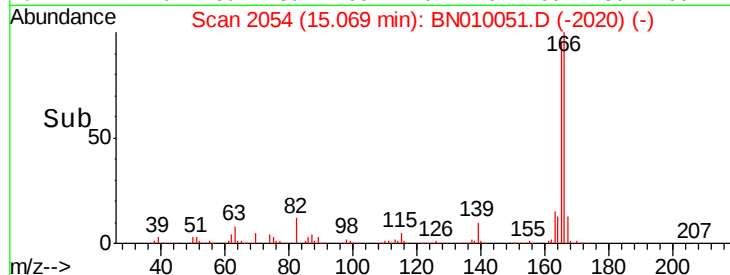
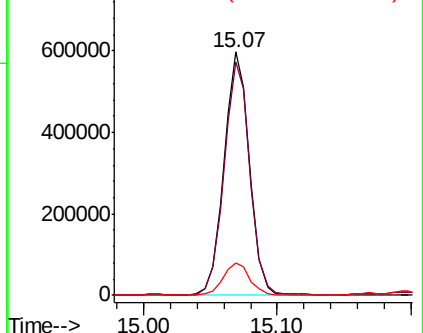
167 13.3 10.7 16.1



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



#61

4-Nitroaniline

Concen: 2.097 ng/ul

RT: 15.07 min Scan# 2055

Delta R.T. -0.05 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

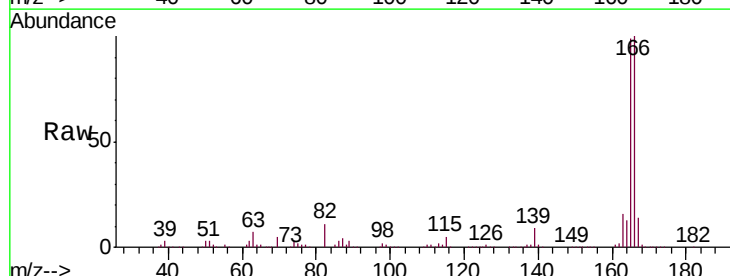
Tgt Ion:138 Resp: 9449

Ion Ratio Lower Upper

138 100

92 0.0 47.8 71.6#

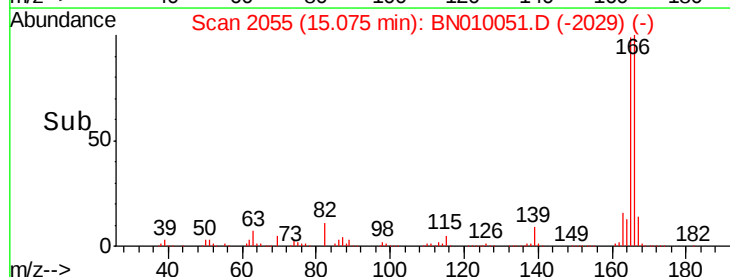
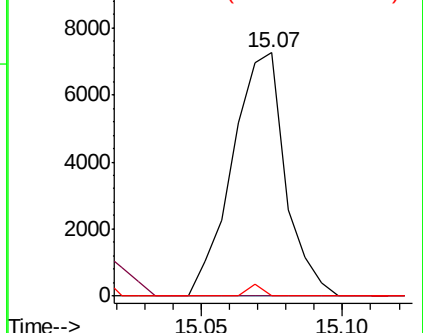
108 0.0 72.3 108.5#

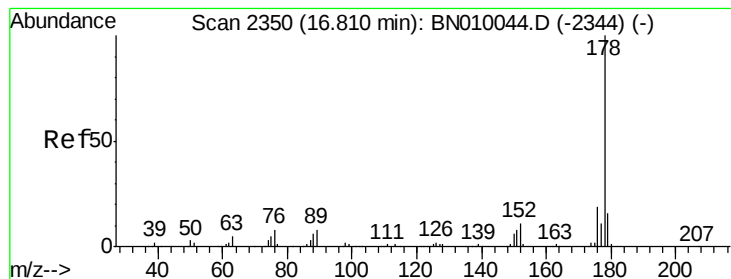


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BN0

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 117.120 ng/ul

RT: 16.82 min Scan# 2351

Delta R.T. 0.01 min

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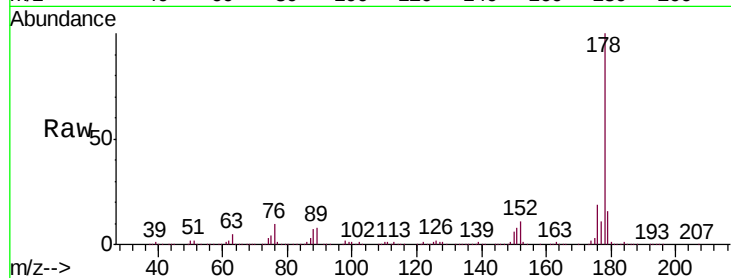
Tgt Ion:178 Resp: 3531582

Ion Ratio Lower Upper

178 100

179 16.0 12.5 18.7

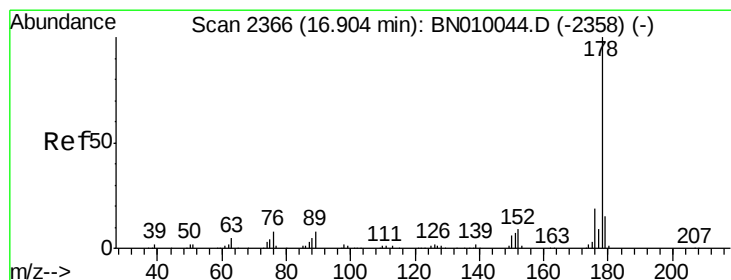
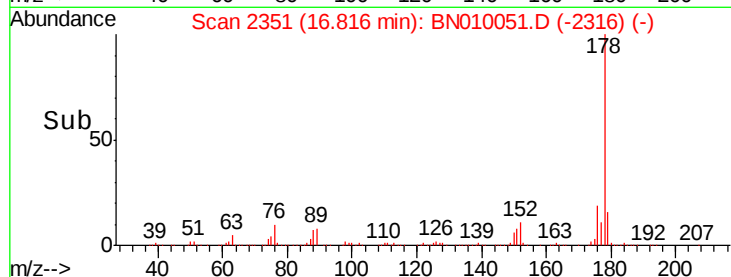
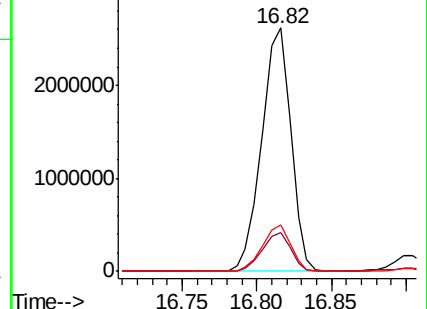
176 19.0 14.6 22.0



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: 8.423 ng/ul

RT: 16.90 min Scan# 2366

Delta R.T. 0.00 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

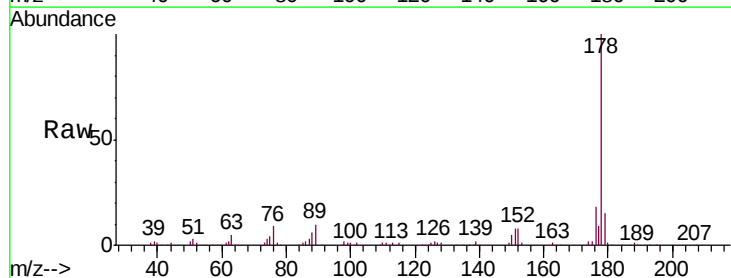
Tgt Ion:178 Resp: 259644

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

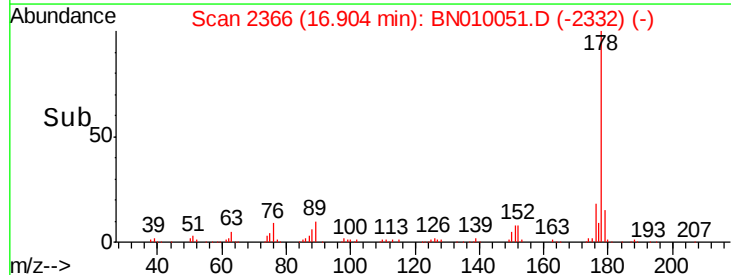
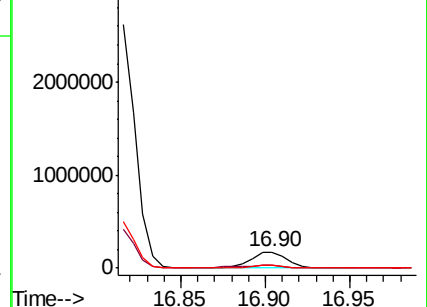
176 18.1 14.6 21.8

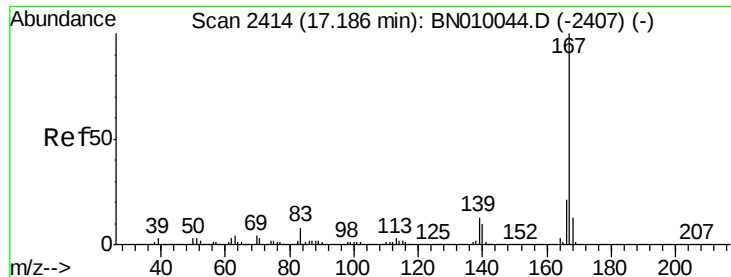


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

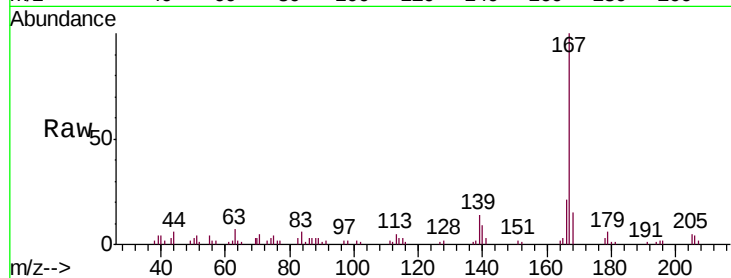




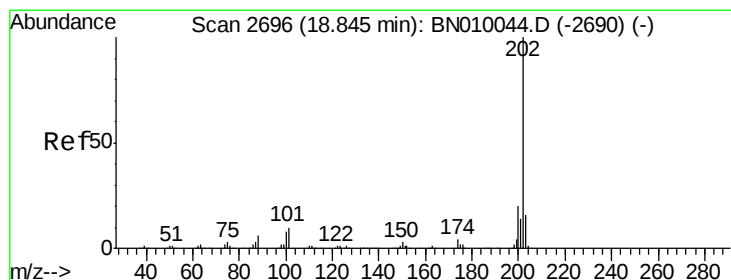
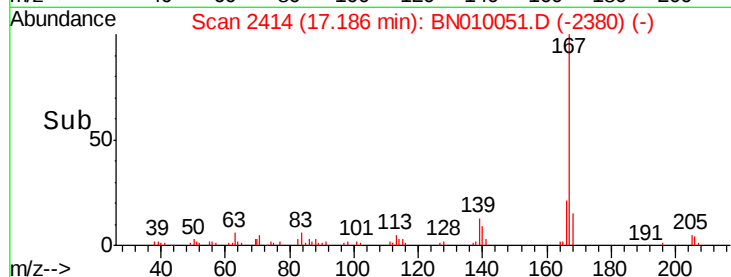
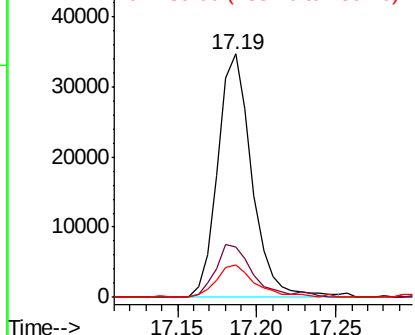
#75
 Carbazole
 Concen: 1.912 ng/ul
 RT: 17.19 min Scan# 2414
 Delta R.T. 0.00 min
 Lab File: BN010051.D
 Acq: 02 Mar 2020 21:51

Instrument :
 BNA_N
 ClientSampleId :
 DBDW0

Tgt Ion:167 Resp: 51897
 Ion Ratio Lower Upper
 167 100
 166 20.6 16.6 24.8
 139 13.5 9.9 14.9

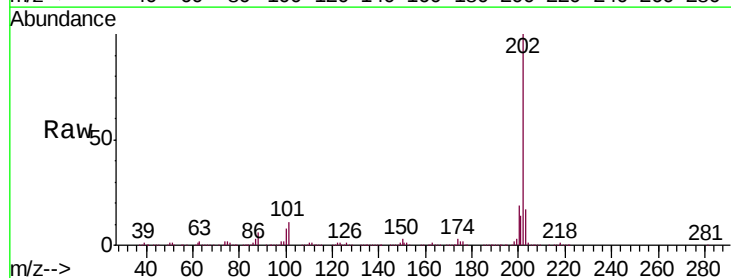


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

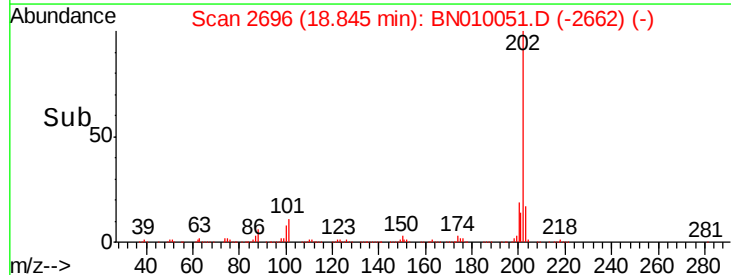
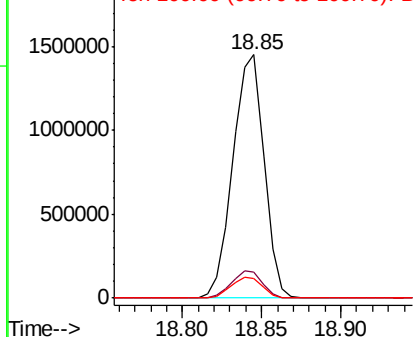


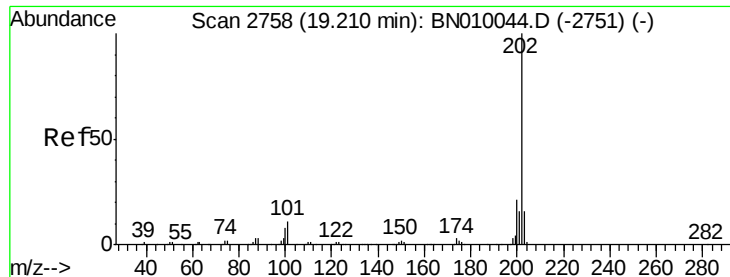
#77
 Fluoranthene
 Concen: 56.161 ng/ul
 RT: 18.85 min Scan# 2696
 Delta R.T. 0.00 min
 Lab File: BN010051.D
 Acq: 02 Mar 2020 21:51

Tgt Ion:202 Resp: 1983666
 Ion Ratio Lower Upper
 202 100
 101 10.6 9.4 14.2
 100 8.0 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

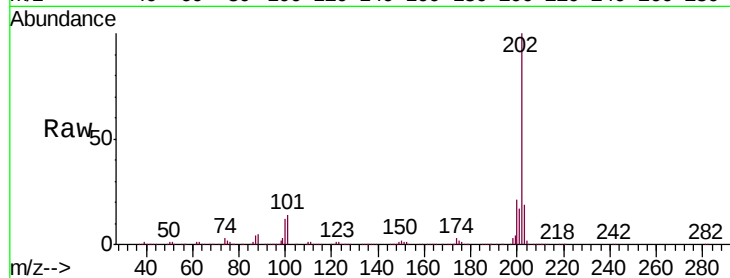




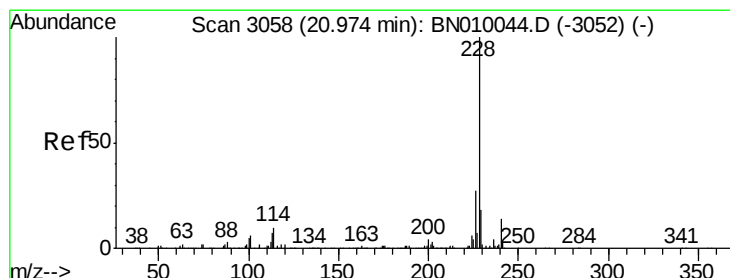
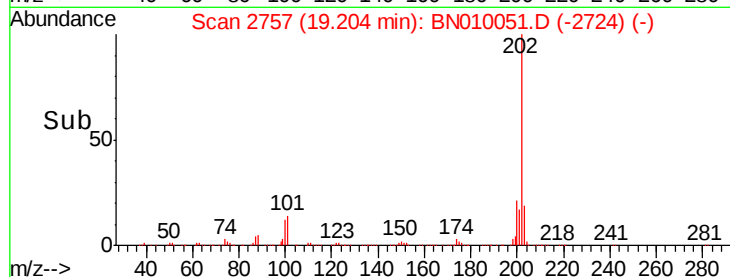
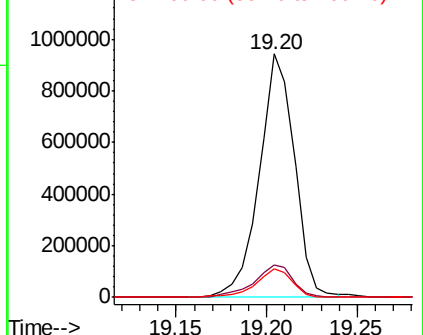
#80
Pyrene
Concen: 36.107 ng/ul
RT: 19.20 min Scan# 2757
Delta R.T. -0.01 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Instrument :
BNA_N
ClientSampleId :
DBDW0

Tgt Ion:202 Resp: 1268330
Ion Ratio Lower Upper
202 100
101 13.5 11.3 16.9
100 11.5 9.0 13.6

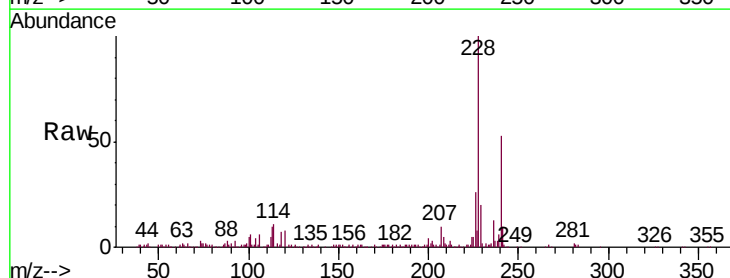


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

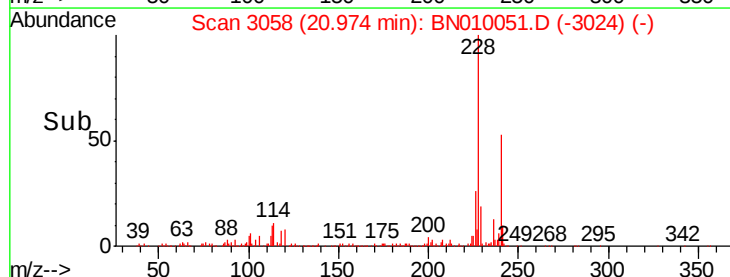
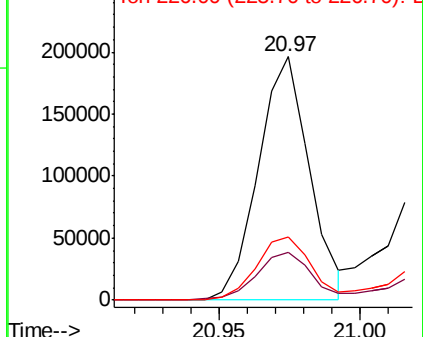


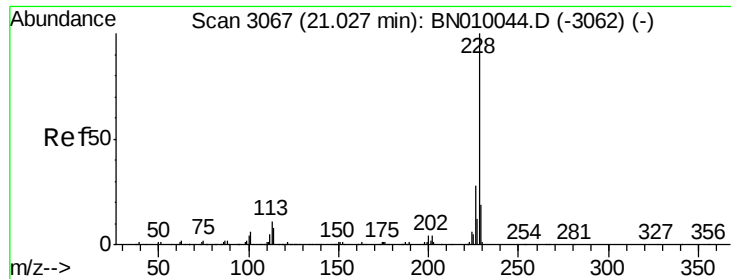
#83
Benzo(a)anthracene
Concen: 7.309 ng/ul
RT: 20.97 min Scan# 3058
Delta R.T. 0.00 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Tgt Ion:228 Resp: 244709
Ion Ratio Lower Upper
228 100
229 19.9 15.0 22.4
226 25.9 21.4 32.2



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





#85

Chrysene

Concen: 5.789 ng/ul

RT: 21.02 min Scan# 3066

Delta R.T. -0.01 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

Instrument :

BNA_N

ClientSampleId :

DBDW0

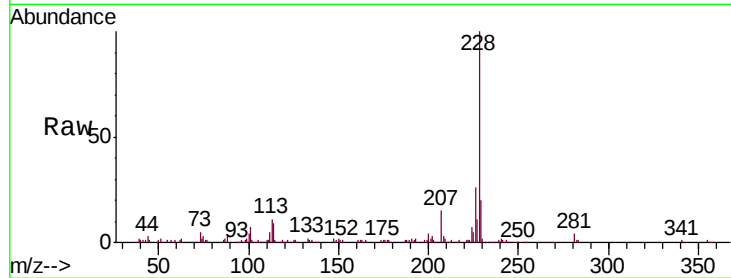
Tgt Ion:228 Resp: 190823

Ion Ratio Lower Upper

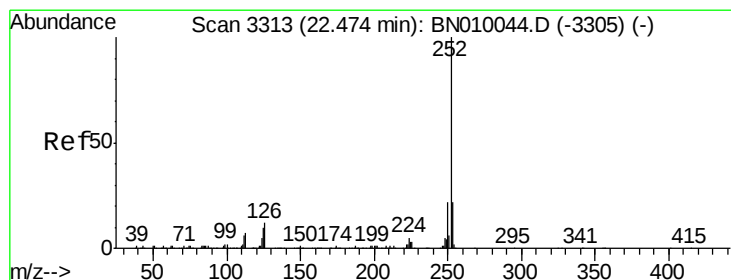
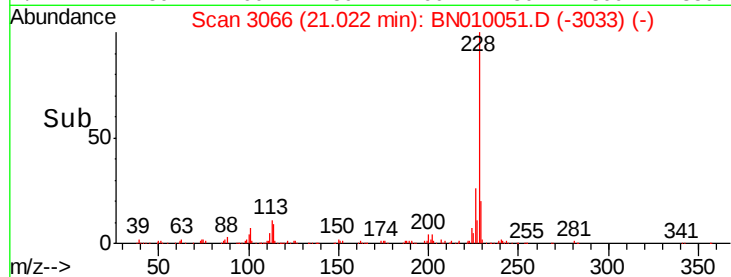
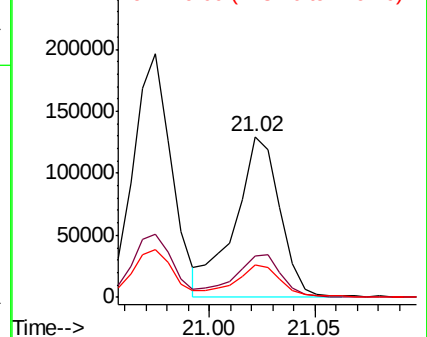
228 100

226 25.5 23.4 35.2

229 20.1 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: 1.351 ng/ul

RT: 22.51 min Scan# 3319

Delta R.T. 0.04 min

Lab File: BN010051.D

Acq: 02 Mar 2020 21:51

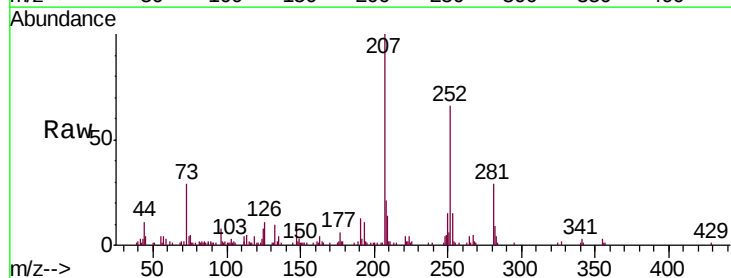
Tgt Ion:252 Resp: 41912

Ion Ratio Lower Upper

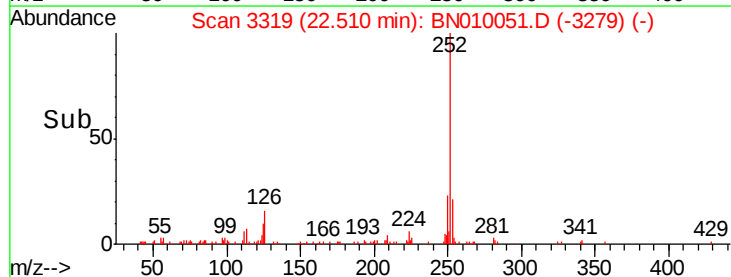
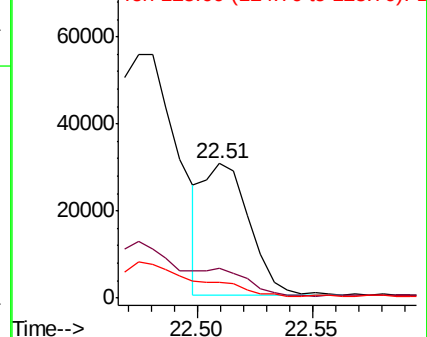
252 100

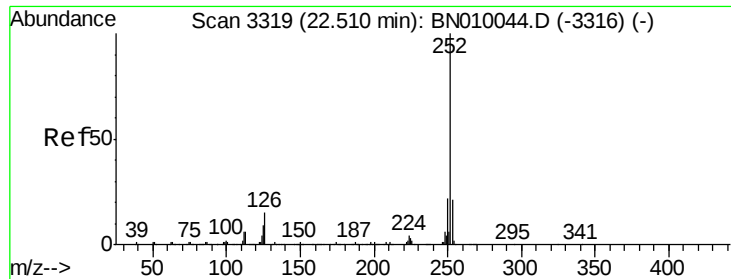
253 22.4 17.0 25.4

125 11.9 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

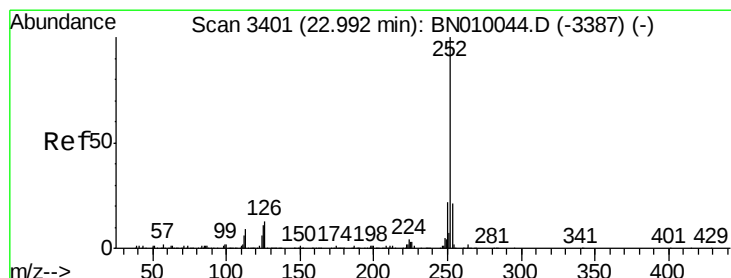
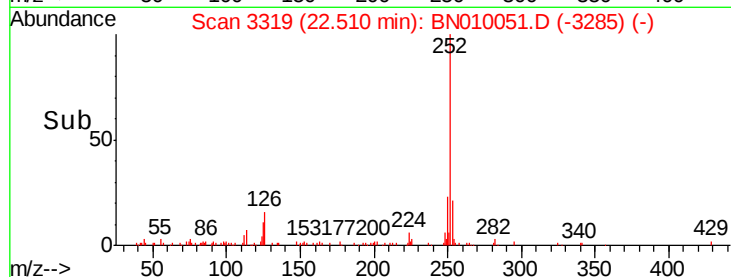
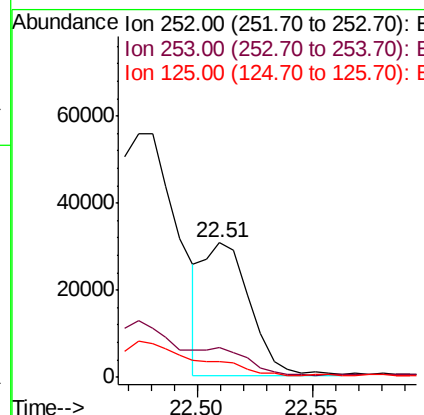
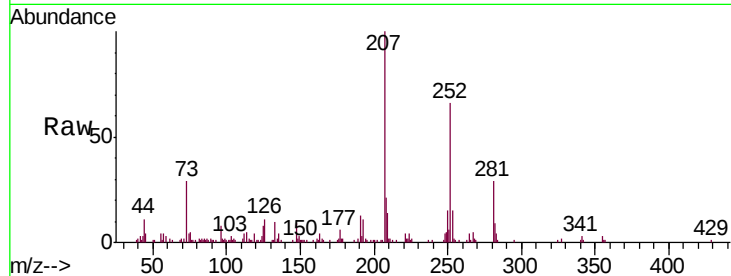




#89
Benzo(k)fluoranthene
Concen: 1.460 ng/ul
RT: 22.51 min Scan# 3319
Delta R.T. 0.00 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Instrument :
BNA_N
ClientSampleId :
DBDW0

Tgt Ion:252 Resp: 42898
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 11.9 8.2 12.2



#91
Benzo(a)pyrene
Concen: 2.380 ng/ul
RT: 22.99 min Scan# 3401
Delta R.T. 0.00 min
Lab File: BN010051.D
Acq: 02 Mar 2020 21:51

Tgt Ion:252 Resp: 66414
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.0
125 13.8 9.0 13.6#

