

Data File : BN010052.D
Acq On : 02 Mar 2020 22:27
Operator : CG/JU
Sample : L1619-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DBDW1

Quant Time: Mar 03 01:09:17 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	87287	20.00	ng/ul	0.00
18) Naphthalene-d8	10.11	136	390757	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.01	164	255756	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	537392	20.00	ng/ul	0.00
78) Chrysene-d12	20.99	240	477789	20.00	ng/ul	0.00
86) Perylene-d12	23.08	264	511121	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.02	96	2927	1.38	ng/uL	0.01
5) Phenol-d5	6.58	99	60955	8.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.73	67	44074	8.60	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	47382	8.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.09	113	47482	8.04	ng/ul	0.00
19) Nitrobenzene-d5	8.52	128	22903	8.01	ng/ul	0.01
22) 2-Nitrophenol-d4	9.23	143	25405	8.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.77	165	45381	7.55	ng/ul	0.02
29) 4-Chloroaniline-d4	10.29	131	57192	8.47	ng/ul	0.02
44) Dimethylphthalate-d6	13.44	166	172923	9.05	ng/ul	0.00
47) Acenaphthylene-d8	13.69	160	190145	8.45	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	11280	3.23	ng/ul	0.04
58) Fluorene-d10	15.02	176	149200	9.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	12301	3.68	ng/ul	0.01
71) Anthracene-d10	16.87	188	223742	9.08	ng/ul	0.00
79) Pyrene-d10	19.17	212	258701	10.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.95	264	243054	9.52	ng/ul	0.00

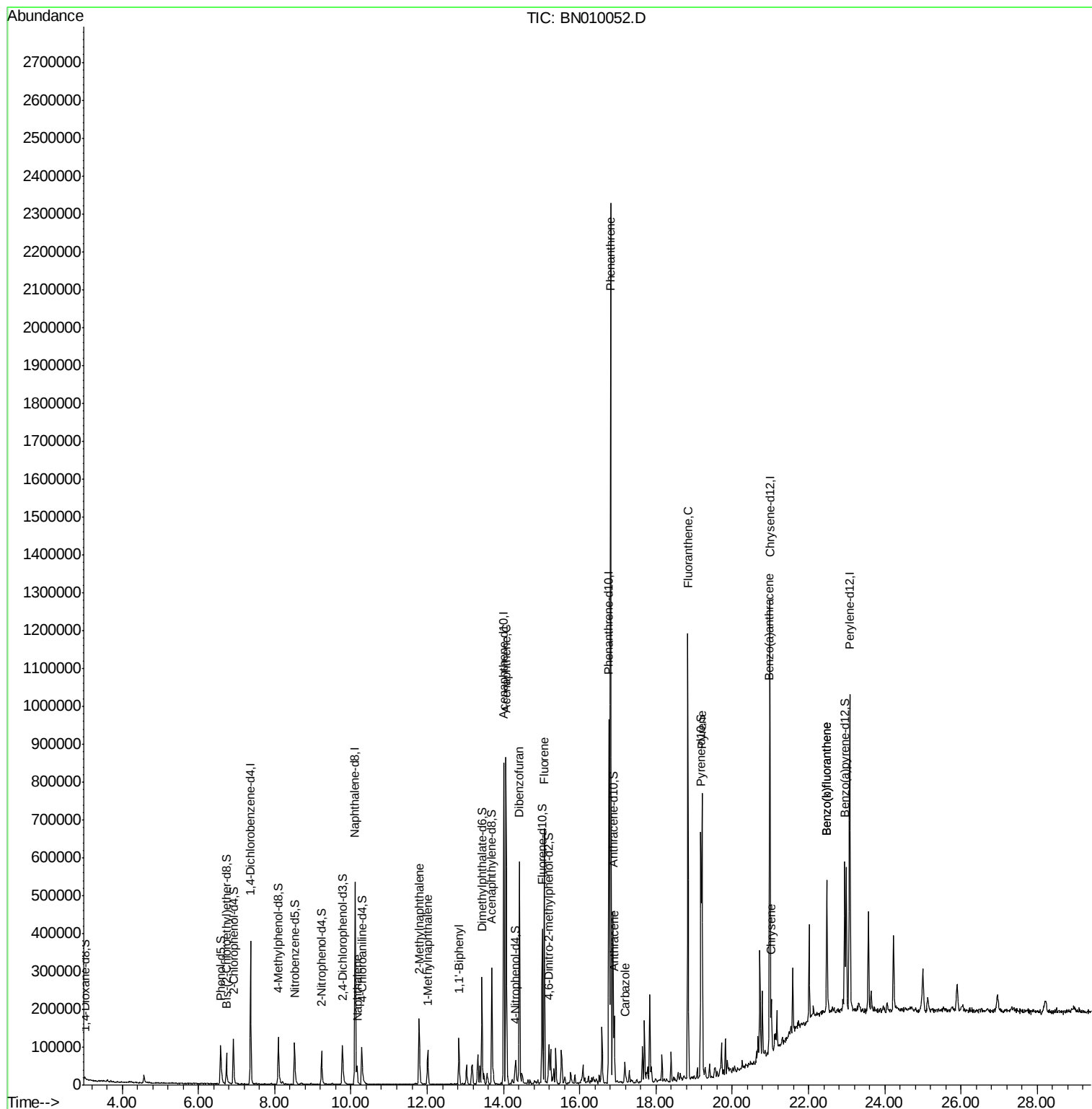
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Naphthalene	10.16	128	32279	1.532	ng/ul#	95
34) 2-Methylnaphthalene	11.79	142	94664	6.470	ng/ul	95
35) 1-Methylnaphthalene	12.02	142	42904	2.925	ng/uL	99
41) 1,1'-Biphenyl	12.83	154	59292	3.018	ng/ul	98
50) Acenaphthene	14.07	153	325986	19.527	ng/ul	100
54) Dibenzofuran	14.42	168	333842	14.248	ng/ul	99
59) Fluorene	15.07	166	279336	14.205	ng/ul	96
70) Phenanthrene	16.81	178	1198432	39.076	ng/ul	99
72) Anthracene	16.90	178	98888	3.154	ng/ul	99
75) Carbazole	17.19	167	28714	1.040	ng/ul#	92
77) Fluoranthene	18.84	202	634871	17.672	ng/ul	99
80) Pyrene	19.20	202	435104	12.631	ng/ul	97
83) Benzo(a)anthracene	20.97	228	88212	2.687	ng/ul	97
85) Chrysene	21.03	228	69579	2.153	ng/ul	98
88) Benzo(b)fluoranthene	22.47	252	46053	1.390	ng/ul#	85
89) Benzo(k)fluoranthene	22.47	252	46053	1.468	ng/ul#	88

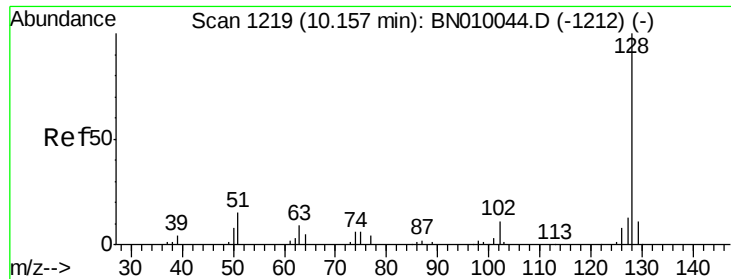
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.532 ng/ul

RT: 10.16 min Scan# 1220

Delta R.T. 0.01 min

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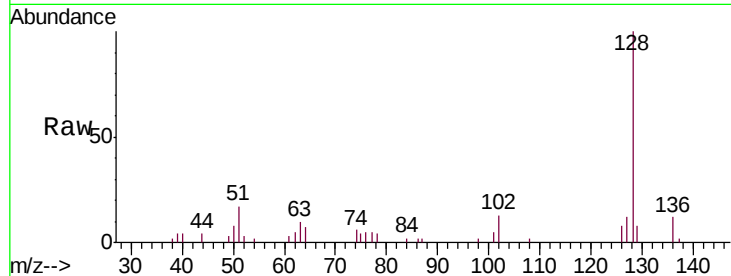
Tgt Ion:128 Resp: 32279

Ion Ratio Lower Upper

128 100

129 8.4 8.6 13.0#

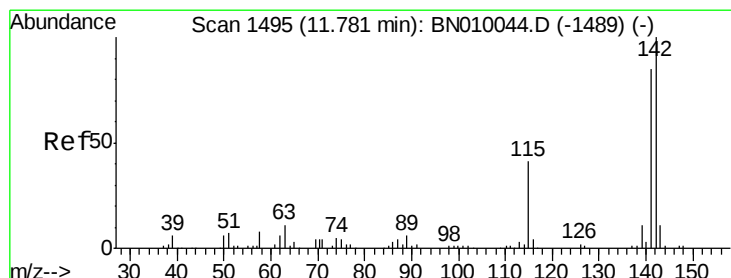
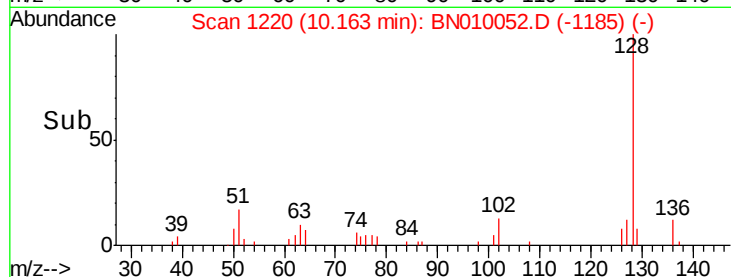
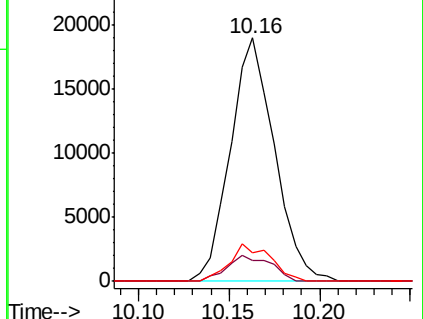
127 11.7 10.3 15.5



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



#34

2-Methylnaphthalene

Concen: 6.470 ng/ul

RT: 11.79 min Scan# 1497

Delta R.T. 0.01 min

Lab File: BN010052.D

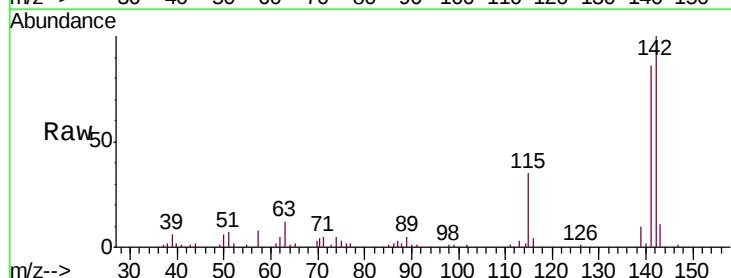
Acq: 02 Mar 2020 22:27

Tgt Ion:142 Resp: 94664

Ion Ratio Lower Upper

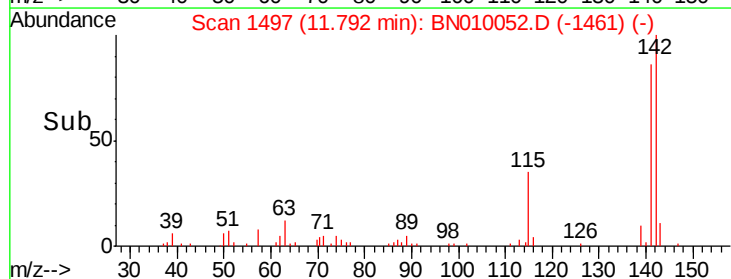
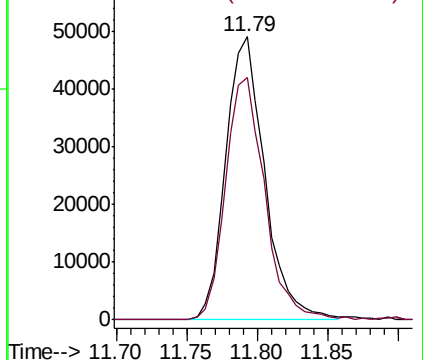
142 100

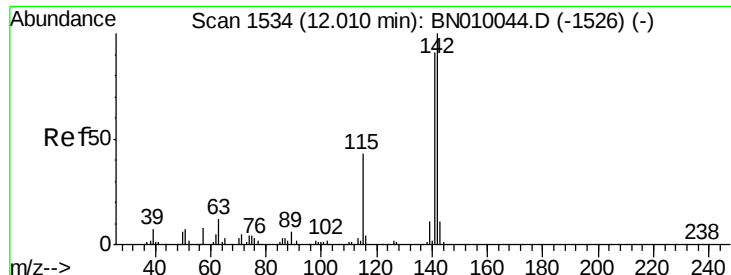
141 85.5 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

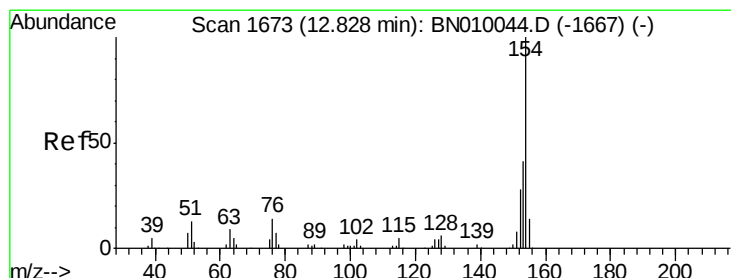
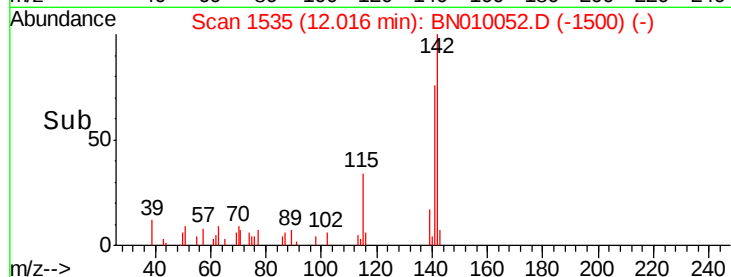
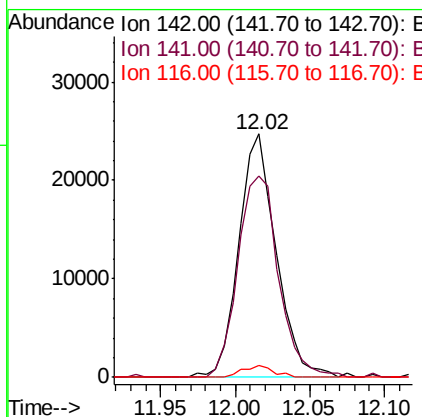
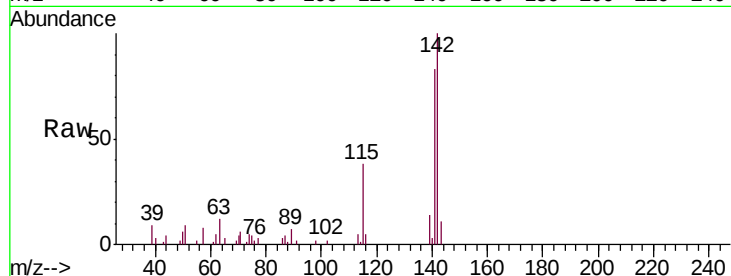




#35
 1-Methylnaphthalene
 Concen: 2.925 ng/uL
 RT: 12.02 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: BN010052.D
 Acq: 02 Mar 2020 22:27

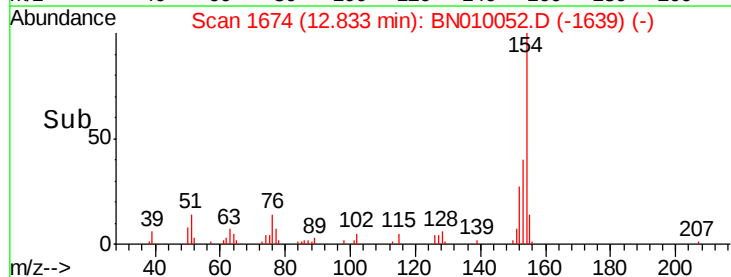
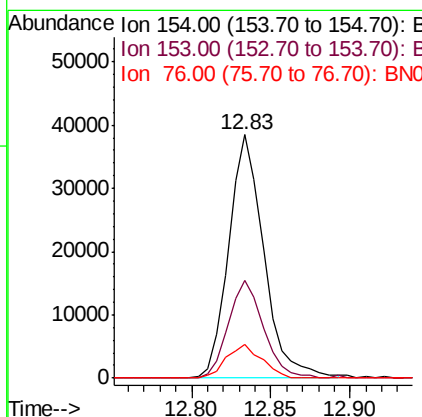
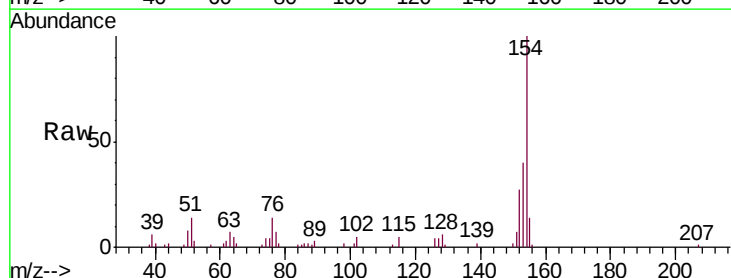
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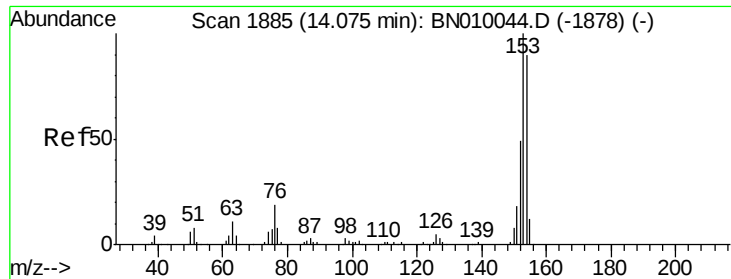
Tgt Ion:142 Resp: 42904
 Ion Ratio Lower Upper
 142 100
 141 90.3 72.8 109.2
 116 4.0 3.2 4.8



#41
 1,1'-Biphenyl
 Concen: 3.018 ng/uL
 RT: 12.83 min Scan# 1674
 Delta R.T. 0.01 min
 Lab File: BN010052.D
 Acq: 02 Mar 2020 22:27

Tgt Ion:154 Resp: 59292
 Ion Ratio Lower Upper
 154 100
 153 40.1 33.2 49.8
 76 13.9 11.0 16.4





#50

Acenaphthene

Concen: 19.527 ng/ul

RT: 14.07 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BN010052.D

Acq: 02 Mar 2020 22:27

Instrument :

BNA_N

ClientSampleId :

DBDW1

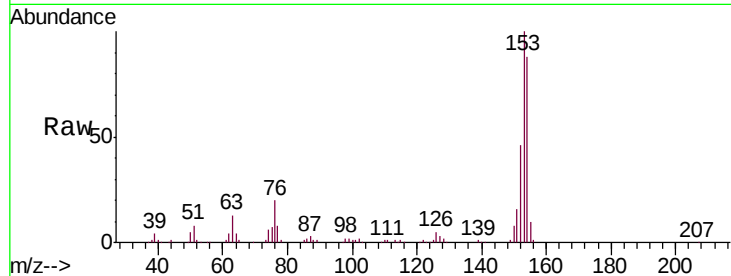
Tgt Ion:153 Resp: 325986

Ion Ratio Lower Upper

153 100

152 45.8 36.6 54.8

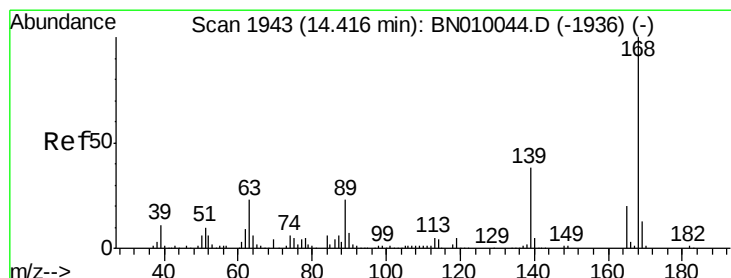
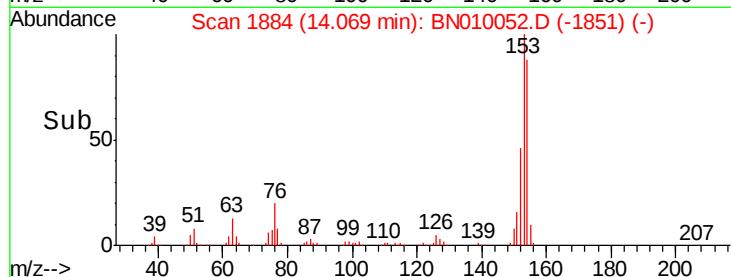
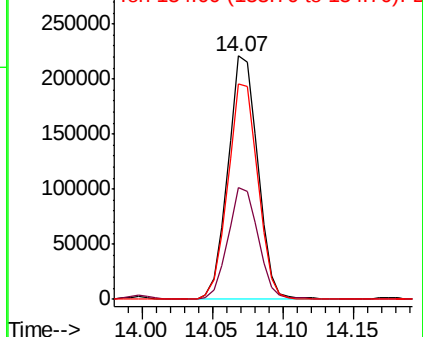
154 88.4 70.6 106.0



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



#54

Dibenzofuran

Concen: 14.248 ng/ul

RT: 14.42 min Scan# 1943

Delta R.T. -0.00 min

Lab File: BN010052.D

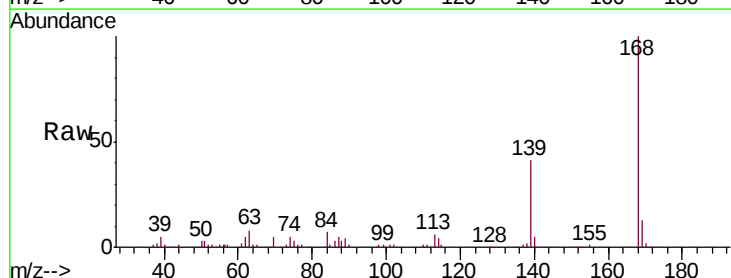
Acq: 02 Mar 2020 22:27

Tgt Ion:168 Resp: 333842

Ion Ratio Lower Upper

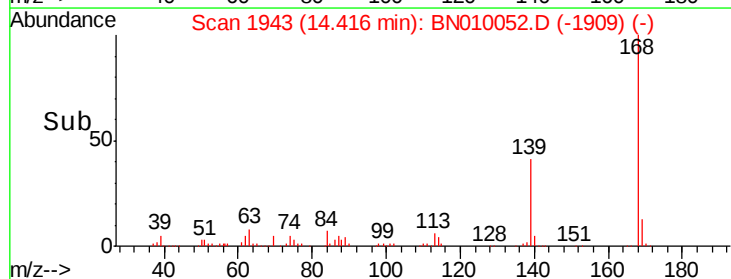
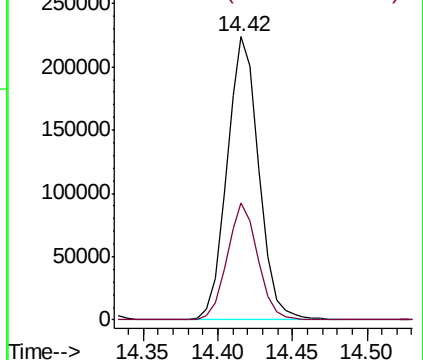
168 100

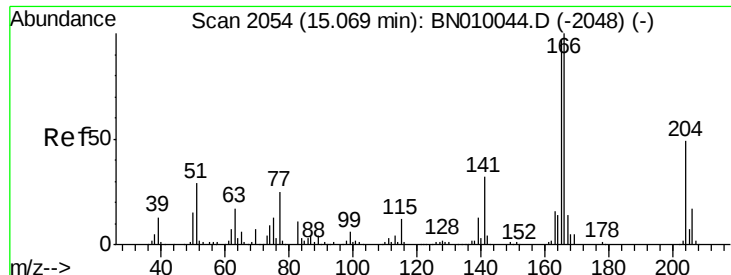
139 41.4 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 14.205 ng/ul

RT: 15.07 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BN010052.D

Acq: 02 Mar 2020 22:27

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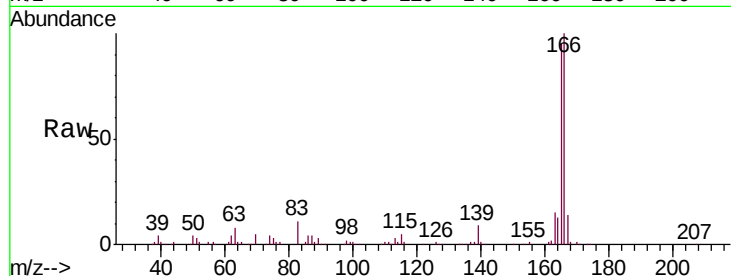
Tgt Ion:166 Resp: 279336

Ion Ratio Lower Upper

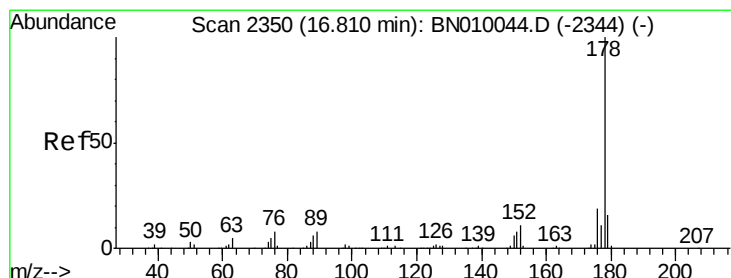
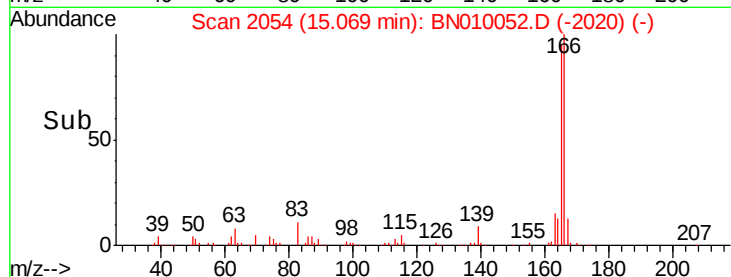
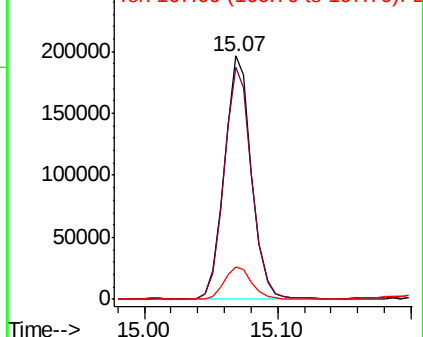
166 100

165 95.2 79.8 119.8

167 13.5 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: 39.076 ng/ul

RT: 16.81 min Scan# 2350

Delta R.T. -0.00 min

Lab File: BN010052.D

Acq: 02 Mar 2020 22:27

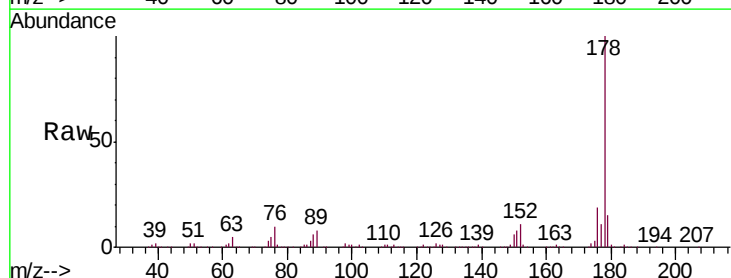
Tgt Ion:178 Resp: 1198432

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

176 18.5 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

